

Chapter of Automation Solutions 解决方案篇

Expert for Plastic Automation Solutions
自动化整体解决方案

Industrial Robots

工业机器人



拓斯达工业机器人在焊接、堆垛、冲压等环节中轻驾就熟，多轴结构扩大了机器人姿势的自由度、无干涉；动作特性高速化，提高了生产效率；借助最优结构提高焊接品质；通用型高速机器人也适用于弧焊用途；小型化、瘦身化设计节省了更多空间。

特点：

省空间能源：性能为同级别最高，结构及功能的不断优化有助于生产设备尺寸的减小，和能源节约。

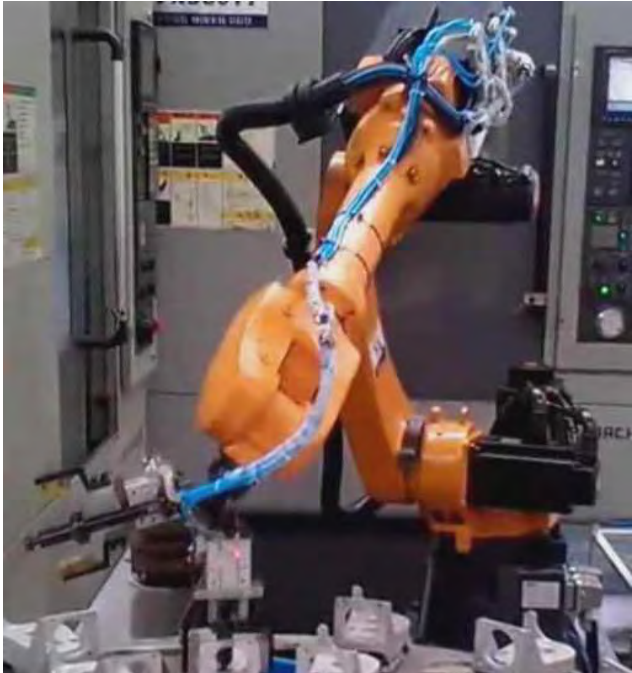
轻松操作仿真：示教和仿真的操作性提高，大大缩短系统集成所需要的时间。

简单维修故障诊断：MOTOMAN不断追求监控，故障诊断及结构上的改善，从而缩短维修时间与故障发生后的恢复时间。

用途		搬运（泛用）									
机器人名称 MOTOMAN-	控制柜	Dx100			MH5S	MHL5S	MH6	MH6S	HP20D	HP20D-6	MH50
	Nx100										
	FS100*4	MHJ	MH3F	MH5F	MH5LF	MH6F		HP20F			
	FS100L*4										MH50
安装*1		F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C
自由度		6	6	6	6	6	6	6	6	6	6
负载		1kg (最大2kg*5)	3kg	5kg	5kg	6kg	6kg	20kg	6kg	50kg	20kg
垂直伸长度		909mm	804mm	1193mm	1560mm	2486mm	1597mm	3063mm	3456mm	3578mm	5585mm
水平伸长度		545mm	532mm	706mm	895mm	1422mm	997mm	1717mm	1915mm	2061mm	3106mm
重复定位精度*2		±0.03mm	±0.03mm	±0.02mm	±0.03mm	±0.08mm	±0.08mm	±0.06mm	±0.06mm	±0.07mm	±0.15mm
动作范围	S轴（旋转）	-160°~+160°	-160°~+160°	-170°~+170°	-170°~+170°	-170°~+170°	-170°~+170°	-180°~+180°	-180°~+180°	-180°~+180°	-180°~+180°
	L轴（下臂）	-90°~+110°	-85°~+90°	-65°~+150°	-65°~+150°	-90°~+155°	-80°~+133°	-110°~+155°	-110°~+155°	-90°~+135°	-90°~+135°
	U轴（上臂）	-290°~+105°	-105°~+260°	-136°~+255°	-38°~+255°	-175°~+250°	-130°~+165°	-165°~+255°	-162°~+255°	-170°~+251°	-160°~+251°
	R轴（手腕旋转）	-180°~+180°	-170°~+170°	-190°~+190°	-190°~+190°	-180°~+180°	-180°~+180°	-200°~+200°	-200°~+200°	-360°~+360°	-190°~+190°
	B轴（手腕摆动）	-180°~+180°	-170°~+170°	-135°~+135°	-135°~+135°	-45°~+225°	-45°~+225°	-50°~+230°	-50°~+230°	-125°~+125°	-50°~+230°
	T轴（手腕回转）	-360°~+360°	-360°~+360°	-360°~+360°	-360°~+360°	-360°~+360°	-360°~+360°	-360°~+360°	-360°~+360°	-360°~+360°	-360°~+360°
最大速度	S轴（旋转）	160°/S	200°/S	376°/S	270°/S	220°/S	220°/S	197°/S	197°/S	180°/S	180°/S
	L轴（下臂）	130°/S	150°/S	350°/S	280°/S	200°/S	220°/S	175°/S	175°/S	178°/S	178°/S
	U轴（上臂）	200°/S	190°/S	400°/S	300°/S	220°/S	220°/S	205°/S	187°/S	178°/S	178°/S
	R轴（手腕旋转）	300°/S	300°/S	450°/S	450°/S	410°/S	410°/S	400°/S	400°/S	250°/S	400°/S
	B轴（手腕摆动）	400°/S	300°/S	450°/S	450°/S	410°/S	410°/S	400°/S	400°/S	250°/S	400°/S
	T轴（手腕回转）	500°/S	420°/S	720°/S	720°/S	610°/S	610°/S	600°/S	600°/S	360°/S	600°/S
容许力矩	R轴（手腕旋转）	3.33N·m	5.39N·m	12N·m	12N·m	11.8N·m	11.8N·m	3.33N·m	3.33N·m	3.33N·m	3.33N·m
	B轴（手腕摆动）	3.33N·m	5.39N·m	12N·m	12N·m	9.8N·m	3.33N·m	3.33N·m	3.33N·m	3.33N·m	3.33N·m
	T轴（手腕回转）	0.98N·m	2.94N·m	7N·m	7N·m	5.9N·m	3.33N·m	3.33N·m	3.33N·m	3.33N·m	3.33N·m
容许惯性力矩 (GD ² /4)	R轴（手腕旋转）	0.058kg·m ²	0.1kg·m ²	0.30kg·m ²	0.27kg·m ²	0.27kg·m ²	0.27kg·m ²	0.058kg·m ²	1.05kg·m ²	28kg·m ²	1.05kg·m ²
	B轴（手腕摆动）	0.058kg·m ²	0.1kg·m ²	0.30kg·m ²	0.27kg·m ²	0.27kg·m ²	0.27kg·m ²	0.058kg·m ²	1.05kg·m ²	28kg·m ²	1.05kg·m ²
	T轴（手腕回转）	0.005kg·m ²	0.03kg·m ²	0.1kg·m ²	0.06kg·m ²	0.06kg·m ²	0.06kg·m ²	0.058kg·m ²	0.75kg·m ²	11kg·m ²	0.75kg·m ²
本体重量		15kg	27kg	27kg	29kg	130kg	120kg	268kg	273kg	550kg	495kg
电源容量*3		0.5kVA	0.5kVA	1.0kVA	1.0kVA	1.5kVA	1.5kVA	2.0kVA*	2.0kVA	4.0kVA	3.5kVA

工业机器人应用案例

- *1: F=基地式, W=挂壁式, C=倒挂式, S=支架式（挂壁式时, S轴的动作会有限制, 请注意。）
- *2: JIS B 8432为基准。
- *3: 因用途, 动作模式而异。
- *4: 只限搬运用途。
- *5: 超过1kg的情况动作范围有异。请根据对应的负载使用正确的动作范围。
- *6: MH6F的时候是1.0KVA。
- *7: HP20F的时候是1.5KVA。
- *8: 斜线部分表示的是S轴在-40°~+30°的时候P点无法动作的范围。



Swing-Arm Robots

旋臂式机械手

斜臂机

Swing Arm Robot- (for Horizontal IMM use)

X-550(PR,V) X-650(PR,V) XW-650(PR,V)

侧取型机械手

Swing Arm Robot- (for Vertical IMM use)

L-550(V) L-650(V)



适用于50~250吨的各型卧式/立式射出成型机，主要用于水口取出，也适用于简易成品及水口取出。上下手臂型式有单截式及双截式，上下行程为550/650mm。爪旋机构，可以旋转成品90度。它可以快速、准确地将水口料从模具内取出并交由机边粉碎机进行立即回收。

机械结构

用高强度铝型材，配合精密线型滑轨；重量轻，钢性好，摩擦低，寿命长。

Structural Units

Employed high strength & tension aluminum alloy to work with precise linear guide way, features with light weight, wear resistance, long service life.

爪旋机构

手臂前端可旋转90°，夹具之吸夹装有无料检测装置(选配)

Wrist Rotation Mechanism

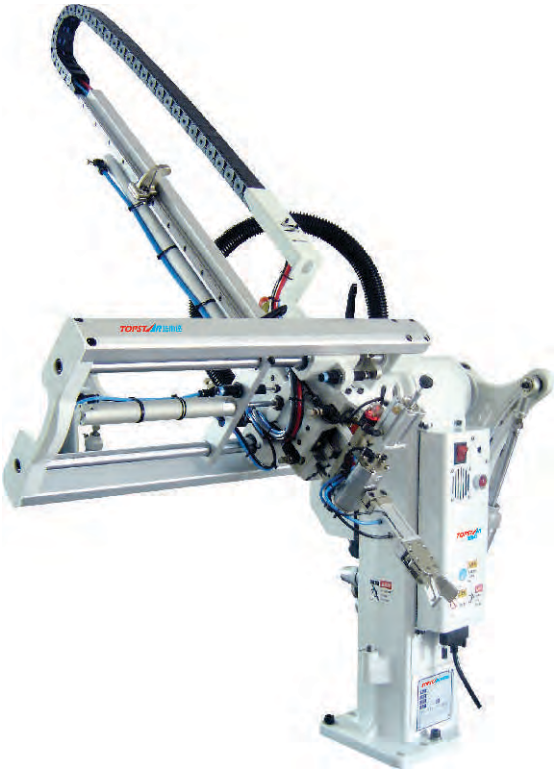
The arm front section for installing gripper can rotate 90°; absorbs & gripper jig can be installed with sensor device for detecting to get products or not.

安全保护

与注塑机联动，双重锁模安全保护，保障模具安全。取出成品确认，确保产品未取出不锁模。

Safety Protection

External signal interlock with injection molding machine to have double safety protection for molds to ensure no locking molds if parts are not taken out via the signal confirmation of finished product removal.



Swing-Arm Robots are extensively applied to horizontal / vertical plastic injection machines ranging from 50T ~ 250T which can rapid take out the runners, runner and finished products from the mold of plastic injection molding machines, and place runners or runner into beside-the-press granulator for recycling immediately. There are two types of arms-single stage and telescopic. The vertical stroke for single stage is 550mm and for telescopic is 650mm. This series equipped with wrist rotation mechanism and gripper sensor can rotate products with 90°.

功能特点

- ◆X轴可旋转90° 方便换模作业，并配有缓冲器，使进退行程更加稳定。
- ◆Y轴配备防滑落气缸。
- ◆Z轴旋臂可调整角度45°~90°，依实际需求更改置物方向。（即射出机正操作侧或反操作侧）

Function Features

- ◆X axis can rotate 90° which is for changing molds conveniently, equipped with hydraulic shock absorber for making forward & backward stroke more stable and smooth.
- ◆Y axis is equipped with device to avoid pneumatic cylinder falling;
- ◆Z axis can be adjusted angle from 45°~90° for placing finished parts by different direction according to requirement (to place parts at the operate side or non-

控制系统

小巧型手持式控制器，人性化操作界面，操作安全简便。

Control System

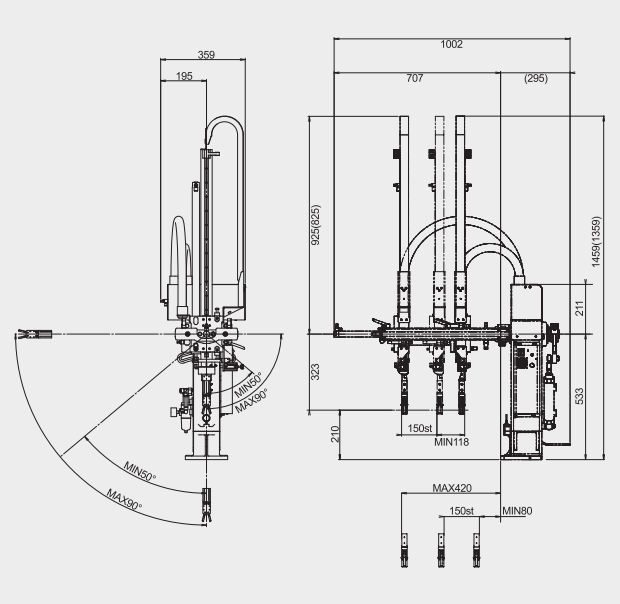
Palm controller, friendly operation interface, easy operation.

机型特点

- ◆X-650机型可单独取水口料头，取制品，也可以同时取两板模的制品和水口料头。
- ◆X-650PR机台可以用来同时取三板模的制品和水口料头，也可以任意一个手臂单独使用。
- ◆L-550机台专门为立式机设计，适合全自动取出水口料头。

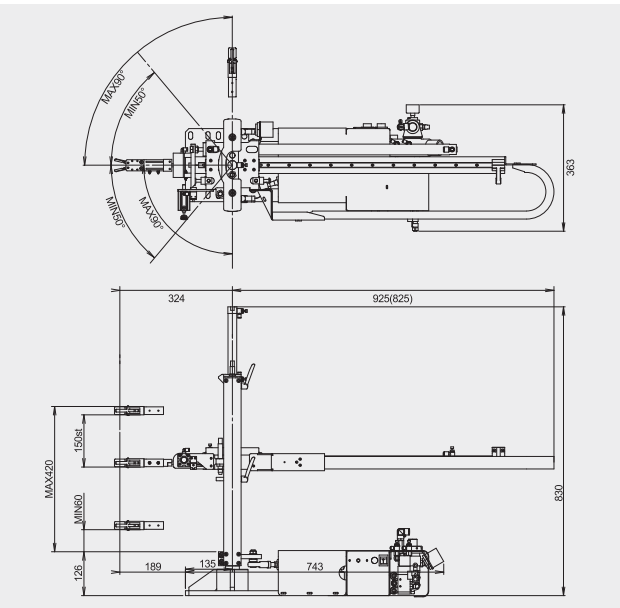
斜臂机

Swing Arm Robot- (for Horizontal IMM use)



侧取型机械手

Swing Arm Robot- (for Vertical IMM use)



注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

Model Features

- ◆X-650 are mainly used for removal of runner or finished products independently; also can be used for removal of runner and finished products from 2 plate mold simultaneously.
- ◆X-650PR are mainly used for removal of runner & runner and finished products from 3 plate mold simultaneously and any arm can be used independently for remove finished parts or runner.
- ◆L-550 are extensively applied to vertical injection molding machines, can be

型号 Model	X-550(PR,V)	X-650(PR,V)	XW-650(PR,V)
手臂型式 Type	单截 Single-stage		双截 Double-stage
适用射出成型机 I.M.M. Range(TON)	50-150	80-180	120-180
上下行程 Vertical Stroke(mm)	550	650	650
前后行程 Crosswise Stroke(mm)	150	150	150
旋出角度 Swing Angle(°)	50-90		50-90
爪旋角度 Gripper Rotation Angle(°)	90		
最大荷重 Max. Load(kg)	2	2	3
最小取出时间 Min. Take Time(Sec.)	0.6	0.7	0.8
空循环时间 Dry Cycle Time(Sec.)	4.0	4.2	4.0
驱动方式 Drive System	气压 Pressure		气压 Pressure
工作气压 Working Air Pressure (MPa)	0.5-0.7		
空气消耗量 Air Consumption(L/cycle)	7.6	7.7	13
电源消耗量 Power Consumption(Kw)	0.2	0.2	2.2
电源 power	AC220V50/60HZ		
净重 Weight (kg)	42	43	47.5

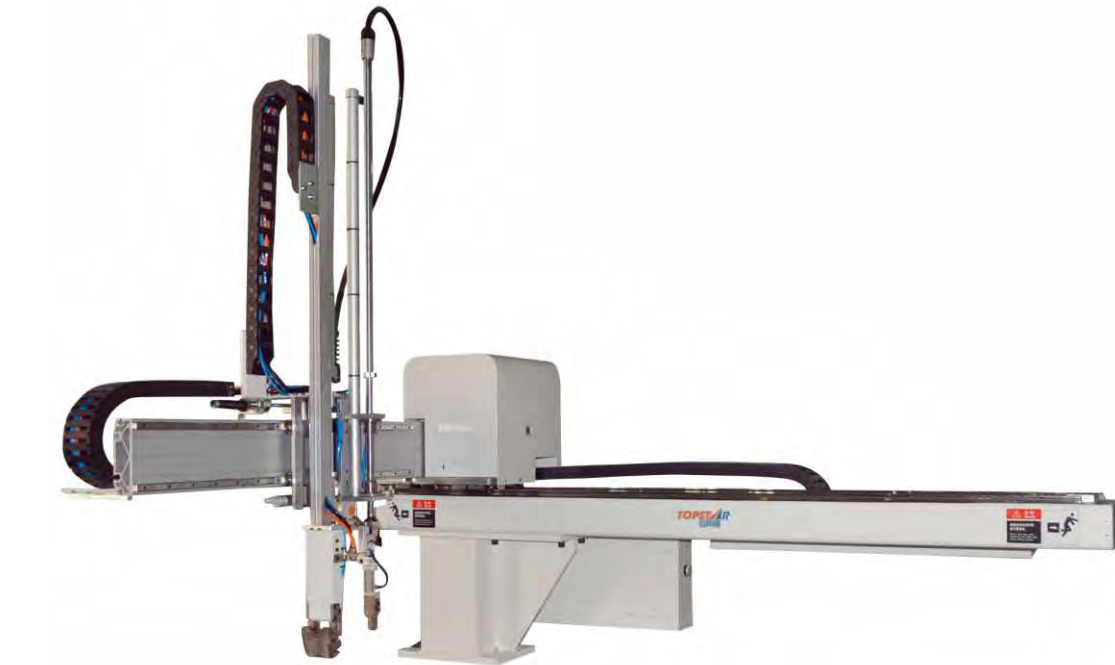
机型 Model	L-550(V)	L-650(V)
手臂型式 Type	单截 Single-stage	
适用射出成型机 I.M.M. Range(TON)	12-150	80-150
侧入行程 Vertical Stroke(mm)	550	650
上下行程 Side-entry Stroke(mm)	150	150
旋出角度 Swing Angle(°)	50-90	50-90
爪旋角度 Gripper Rotation Angle(°)	180	180
最大荷重 Max. Load(with tool)(kg)	2	2
最小取出时间 Min. Take Time(Sec.)	0.8	0.9
空循环时间 Dry Cycle Time(Sec.)	4.2	4.4
驱动方式 Drive System	气压 Pressure	
工作气压 Working Air Pressure (MPa)	0.5-0.7	
空气消耗量 Air Consumption(L/cycle)	7.6	7.7
电源消耗量 Power Consumption(Kw)	0.2	0.2
电源 power	AC220V50/60HZ	
净重 Weight (kg)	38	39

Single Axis AC Servo Driven Robots

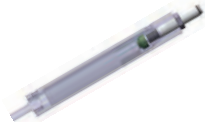
横走式单轴伺服机械手

横走式单轴伺服机械手
Single Axis AC Servo Driven Robots
AD-80(s)

横走式单轴双截伺服机械手
Single Axis Telescopic AC Servo Driven Robots
ADW-80(s) ADW-120(s)



姿势部单元获得实用新型专利
Practical New Patent for Posture Unit
专利号/Patent No : ZL201120245121.4



直线驱动装置获得实用新型专利
Practical New Patent for Linear Driven Device
专利号/Patent No: ZL201220445326.1

适用于50~1600吨的各型卧式射出成型机的成品及水口取出。
手臂型式有单截式及双截式,单截式上下行程为600/700/800/900,双截式上下行程为600/800/900/1000/1200mm。横走机构采用进口AC伺服马达驱动,手臂采用双段倍速结构,易调整稳定。模内快速下降取物,模外慢速下降置物,具“快拿轻放”动作功能,针对不同产品搭配各类治具,实现稳定、完美的取出动作。

机械结构

- ◆本体结构高刚性设计,结构稳定震动小,耐久寿命长。
- ◆上下及前后使用气缸驱动。走行、前后及上下手臂均采用高精度线性滑轨,速度快,噪音低,定位精准,耐磨损、耐热、寿命长不变形。

Mechanical Structure

- ◆High rigidity structure design, stable construction, low vibration, abiding and long service life.
- ◆Vertical and crosswise movement is driven by pneumatic cylinder. Traverse, crosswise and vertical unit adopt high precision linear guide way result in high speed and accurate position, high wear

Single Axis AC Servo Driven Robots are extensively applied to horizontal plastic injection machines ranging from 50~1600T which can take out the runners, runner and finished products from the mold of plastic injection molding machines. There are two types of arms-single stage and telescopic. The vertical strokes for single stage are 600/700/800/900 and for telescopic are 600/800/900/1000/1200mm. The arms move stably thanks to two sections of double speed structure. The traverse movement is driven by high performance AC servo motor. With different requirements of products, robot can work with various grippers and jigs to realize stable & perfect take-out products from mold by quick- descent of removal of products and slow -descent to place outside.

高性能AC伺服马达

配合高精度线性滑轨及皮带传动,速度快噪音低,定位准度可达±0.1mm。

High Performance Imported Ac Servomotor

Working with high precise linear guide way and imported steel wire belt driven

治具回路

模内快速下降取物,模外慢速下降置物,具“快拿轻放”动作功能,针对不同产品伴随各类治具,实现稳定、完美的取出动作。

Jig Circuit

Molded parts are quickly remove from the mold and placed them carefully outside of machines. “Remove quickly and place carefully, require various jigs according to different products to realize stable and perfect

控制系统

- ◆微电脑控制系统,全部自主研发,专门针对国内注塑机现状及安全保护措施不完善情况,在控制器内增加了较多之完善安全保护功能,为操作者及注塑机提供最完善的安全保护。此外可根据客户需求修改特殊程序,以符合特殊模具及夹具之要求。
- ◆掌上型操作器,可切换中英文操作画面,简单易学。多种功能及程序提供选择,可自动检测故障并记录,便于维修及解决问题。

Control System

- ◆Micro-computer control system was programmed & developed by TOPSTAR, write the program with more safety protection functions to provide safeguard for operator and IMM in accordance with insufficient safety protection for domestic IMM situation. In addition, we also can write the special program to meet customers’ special requirements for matching the various molds and grippers.
- ◆Palm controller incorporate, changeable Chinese/ English screen page, easy learning. Multi-functions and programs are provided for selection, automatically detecting, displaying and recording the malfunctions,

模块特征

- ◆组件,结构设计均采用无给油装置,机械保养简易,寿命长(导轨、滑块要定期注油。气缸导杆要定期抹黄油)。
- ◆结构轻量化设计,并与微电脑控制系统良好配合,可大幅度节省电力。
- ◆模组化设计,可进行分体包装,正反操作侧现场进行变更。
- ◆电子元件均采用世界知名品牌产品,品质稳定且互换性好。

Module Features

- ◆Assembled parts and structures design adopt oilless device, easy maintenance and long service life.
- ◆Lightweight construction design to work with microprocessor well result in significant power saving.
- ◆Module construction design, dismantled parts can be packed separately. This design is easy for assembling module parts no matter onto the operator side or non operator side on the spot directly if customers want to change.
- ◆Electrical parts adopt the world famous brands to provide stable quality and interchangeable traits.

标准功能

1-16点的位置动作
取出侧姿势控制
取出侧前进姿势控制
不良品排出回路
副臂单独动作
水口途中落下
模内开放
内部记忆功能(30组)
吸着确认单元(1回路)
落下侧下降低速
横走行待机
输送带起动信号输出
副臂落下侧下降
副臂可动侧取出
2国语言切换
固定可动切换

Standard Function

Position motion 1-16 point
Product extract side posture control
Product extract crosswise posture control
Detective product reject circuit
Sub-arm action independently
Midway runner release.
In-Mold releasing
Internal memory (30 sets)
Vacuum sensing unit (1 circuit)
Low speed descend at release side
Delayed traverse
Start signal of conveyor.
Sub-arm descent at release side
Sub-arm extract from moving platen
Two language exchangeable
Extract side exchangeable from moving platen / fixed platen

选项功能

夹具内剪刀回路
吸着确认2回路
NT剪切
滑移取出回路
制品确认开关

Optional Function

Air ripper in chuck circuit
Additional vacuum sensing unit (2 circuit)
NT gate cutting
Undercut gate circuit
Product confirmation limit switch

AD-80(s)产品结构图



ADW-80(s)产品结构图

Product Structure Diagram of ADW-80(s)



ADW-80II(s)产品结构图



ADW-120(s)产品结构图



横走式单轴伺服机械手规格表

Specification of Single Axis AC Servo Driven Robots

机种 Model	行程Stroke (mm)					最大消耗电力 Max. power consumption	总重量Weight (Kg)		空气消耗量 Air Consumption	行走往返精度 precision	电源 Voltage	驱动方式 Driven system	使用空气压力 Working air pressure
	主臂 Main-arm	副臂 Sub-arm	主臂 前后 Main-arm crosswise	副臂 前后 Sub-arm crosswise	走行 Tarverse	W	本体 Main body	负载 Max. loadNL	(NL/Cycle)				
AD-80	600 700 800 900	—	150	—	1200 1400	240	186	3	19	±0.1	AC220V 50/60Hz	上下, 前后: 气缸 走行: AC伺服马达 Vertical crosswise: air cylinders Traverse: AC servo driven motor	0.5~0.7MPa
AD-80s	650 750 850 950	—		125			208		22				
AD-80II	600	—	150	—	1400	240	182	3	19	±0.1	AC220V 50/60Hz	上下, 前后: 气缸 走行: AC伺服马达 Vertical crosswise: air cylinders Traverse: AC servo driven motor	0.5~0.7MPa
AD-80sII	800	650 850		125			192		22				

横走式单轴双截伺服机械手规格表
Specification of Single Axis Telescopic AC Servo Driven Robots

机种 Model	行程Stroke (mm)					最大消耗电力 Max. power consumption	总重量Weight (Kg)		空气消耗量 Air Consumption	走行往返精度 precision	电源 Voltage	驱动方式 Driven system	使用空气压力 Working air pressure
	主臂 Main-arm	副臂 Sub-arm	主臂 前后 Main-arm crosswise	副臂 前后 Sub-arm crosswise	走行 Tarverse	W	本体 Main body	负载 Max. loadNL	(NL/Cycle)				
ADW-80	600 700 800 900	—	150	—	1200 1400	280	231	3	28	±0.1	AC220V 50/60Hz	上下, 前后: 气缸 走行: AC伺服马达 Vertical crosswise: air cylinders Traverse: AC servo driven motor	0.5~0.7MPa
ADW-80s		650 750 850 950		125			279		36				
ADW-120	1000 1200 1400	—	—	1800 2000	360	496	5	56					
ADW-120s			1050 1250 1450			150		532	72				

主：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice

Three/Five Axes AC Servo Driven Robots

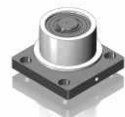
横走式三轴/五轴伺服机械手

横走式三轴伺服机械手
Three Axes AC Servo Driven Robots
MD-50 MD-80

横走式五轴伺服机械手
Five Axes AC Servo Driven Robots
MD-50s MD-80s

横走式三轴双截伺服机械手
Three Axes Telescopic AC Servo Driven Robots
MDW-80 MEW-80 MDW-110 MDW-170

横走式五轴双截伺服机械手
Five Axes Telescopic AC Servo Driven Robots
MDW-80s MEW-80s MDW-110s MDW-170s



机械结构单元获得实用新型专利
Practical New Patent for
Structural Unit
专利号/Pat. No: ZL 201120302378.9



治具单元获得实用新型专利
Practical New Patent for Jig Unit
(combination of extraction & removal)
专利号/Pat. No: ZL 201120354029.1



180度翻转装置获实用新型专利
Practical New Patent for 180°
Rotation Device
专利号/Pat. No: ZL201220445330.8



双气缸90度翻转装置获实用新型专利
Practical New Patent for Double
Cylinder 90° Rotation Device
专利号/Pat. No: ZL201220445328.0

适用于50~3000吨的各型卧式射出成型机，应用于外观及精度要求较高的成品及水口取出。手臂型式有单截式及双截式，单截式上下行程为700/800/900，双截式上下行程为800/900/1000/1100/1300/1500/1700/2000mm。三轴（走行/前后/主臂）/五轴（走行/前后2个/主臂/副臂）驱动使用高性能的AC伺服马达驱动，具备超高速的取出时间1.4秒、全周时间在5.6秒以内，高刚性滑轨传动，搭配开放式伺服定位控制系统，实现高精度取出。

Three/ Five Axes AC Servo Driven Robots are extensively applied to horizontal plastic injection machines from 50~3000T which are mainly designed for rapid and precise removal on strict demands of good appearance of finished products and spruces. There are two types of arms – single stage and telescopic. The vertical strokes for single stage are 700/800/900 and for telescopic are 800/900/1000/1100/1300/1500/1700/2000mm. Full AC servo motors are driven on three axes (traverse /crosswise /main arm) and five axes (traverse /crosswise & vertical for main arm & sub arm), take-out at super high-speed 1.4 sec and dry cycle time within 5.6 seconds. All linear movement are controlled by servo driven control systems to cooperate with high rigidity structure of linear guide rail for realizing high precise take-out and accurate repeatability.

机械结构

本体结构高刚性设计，结构稳定震动小，耐久寿命长。

高性能AC伺服马达

配合高精度线性滑轨及皮带传动，速度快噪音低，定位准度可达±0.1mm。

控制系统

- ◆微电脑控制系统，全部自主研发，专门针对国内注塑机现状及安全保护措施不完善情况，在控制器内增加了较多之完善安全保护功能，为操作者及注塑机提供最完善的安全保护。此外可根据客户需求修改特殊程序，以符合特殊模具及夹具之要求。
- ◆掌上型操作器，可切换中英文操作画面，简单易学。多种功能及程序提供选择，可自动检测故障并记录，便于维修及解决问题。

程序编写

可模拟操作员取出动作如牵引，倒勾，滑移，圆弧，斜线甚至不规则的取出的路径，能实现各种特殊动作，如排列，堆放，计数，抽样。

多重保护

各轴均加装极限开关，在各方向终端位置均装有防撞装置，可有效防止操作失控。完善的软硬件双重保护功能，确保注塑机与机械手的运行安全。

模块特征

- ◆组件，结构设计均采用无给油装置，机械保养简单，寿命长。
- ◆结构轻量化设计，并与微电脑控制系统良好配合，可大幅度节省电力。
- ◆模组化设计，可进行分体包装，正反操作侧现场进行变更。
- ◆电子元件均采用世界知名品牌产品，品质稳定且互换性好。

标准功能

各轴1~256点装箱位置
最大200点装箱点
顶针连动
不良品排出
走行途中姿势
落下侧姿势
夹具内制品确认
吸着1回路
水口途中开放
取出前进姿势1
取出前进姿势2
取出下降待机
固定侧取出
横走行待机
自由滑移动作
下降途中姿势
水口模内开放
模组记忆（50种）
输送带连动

Standard Function

Packaging Point 1~256
Packaging Motion Up to 200
Ejector Link
Defective Product Reject Circuit
Posture Control during Traverse
Posture Midway at Release Side
Products Confirm in Chuck
Vacuum Sensing Circuits 1
Midway Runner Release
Crosswise Product Extract Posture 1
Crosswise Product Extract Posture 2
Delayed Arm Descent
Extract at Fixed-side
Delayed Traverse
Free Crosswise Servo
Posture Control during Descent
Runner Release within Mold
Module Memory (50 min)
Conveyor Even Moving

Structural Units

High rigidity structure design, stable construction, low vibration, abiding and long service life.

High Performance Imported Ac Servomotor

Working with high precise linear guide way and imported steel wire belt

Control System

- ◆Micro-computer control system was programmed & developed by TOPSTAR, write the program with more safety protection functions to provide safeguard for operator and IMM in accordance with insufficient safety protection for domestic IMM situation. In addition, we also can write the special program to meet customers' special requirements for matching the various molds and grippers.
- ◆Palm controller incorporate, changeable Chinese/ English screen page, easy learning. Multi-functions and programs are provided for selection, automatically detecting, displaying and recording the malfunctions,

Edit

Simulating operator's removal motion such as traction, undercut, slip, circle curve, oblique line even irregular route, which can realize special

Multiple Protections

The maximum end position is equipped with limit switches, all direction of end position equipped with anti-collision device which can prevent the motion out of control. Complete safeguard for IMM and robot to ensure safety running.

Module Features

- ◆Assembled parts and structures design adopt oilless device, easy maintenance and long service life.
- ◆Lightweight construction design to work with microprocessor well result in significant power saving.
- ◆Module construction design, dismantled parts can be packed separately. This design is easy for assembling module parts no matter onto the operator side or non operator side on the spot directly if customers want to change.
- ◆Electrical parts adopt the world famous brands to provide stable quality

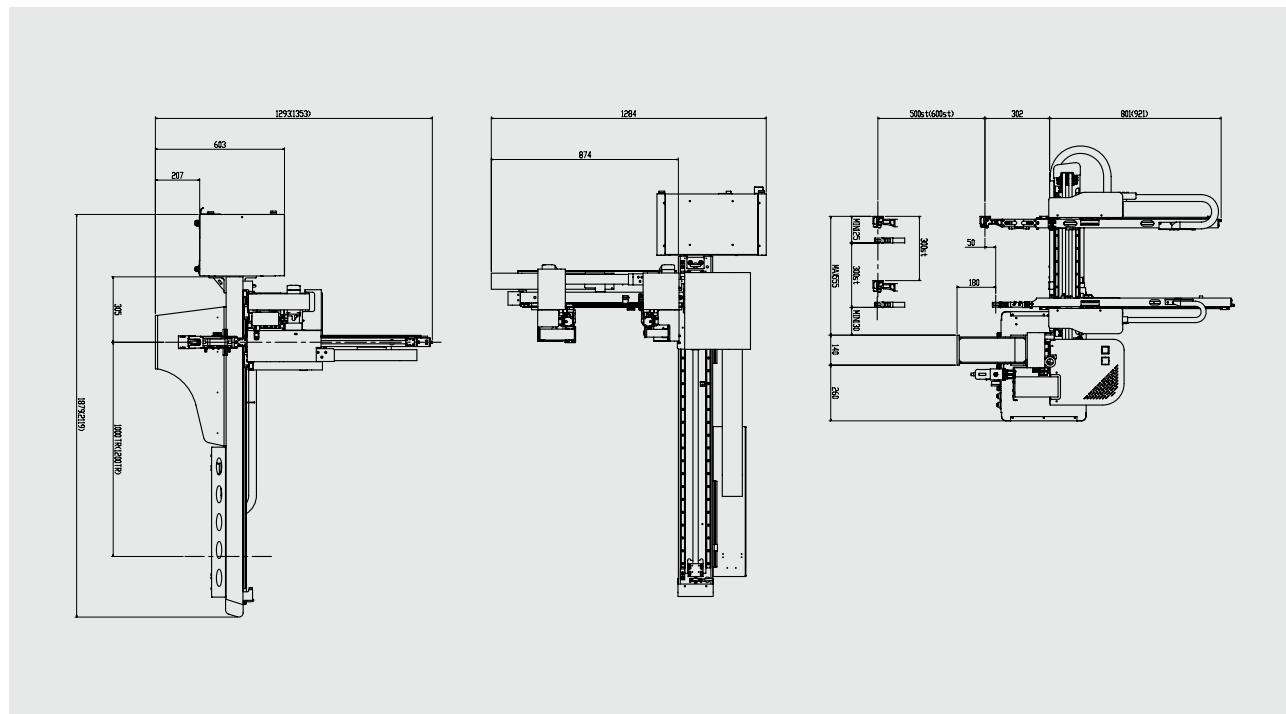
选项功能

夹具内剪刀
NT剪刀
吸着4回路
制品2点开放
制品确认

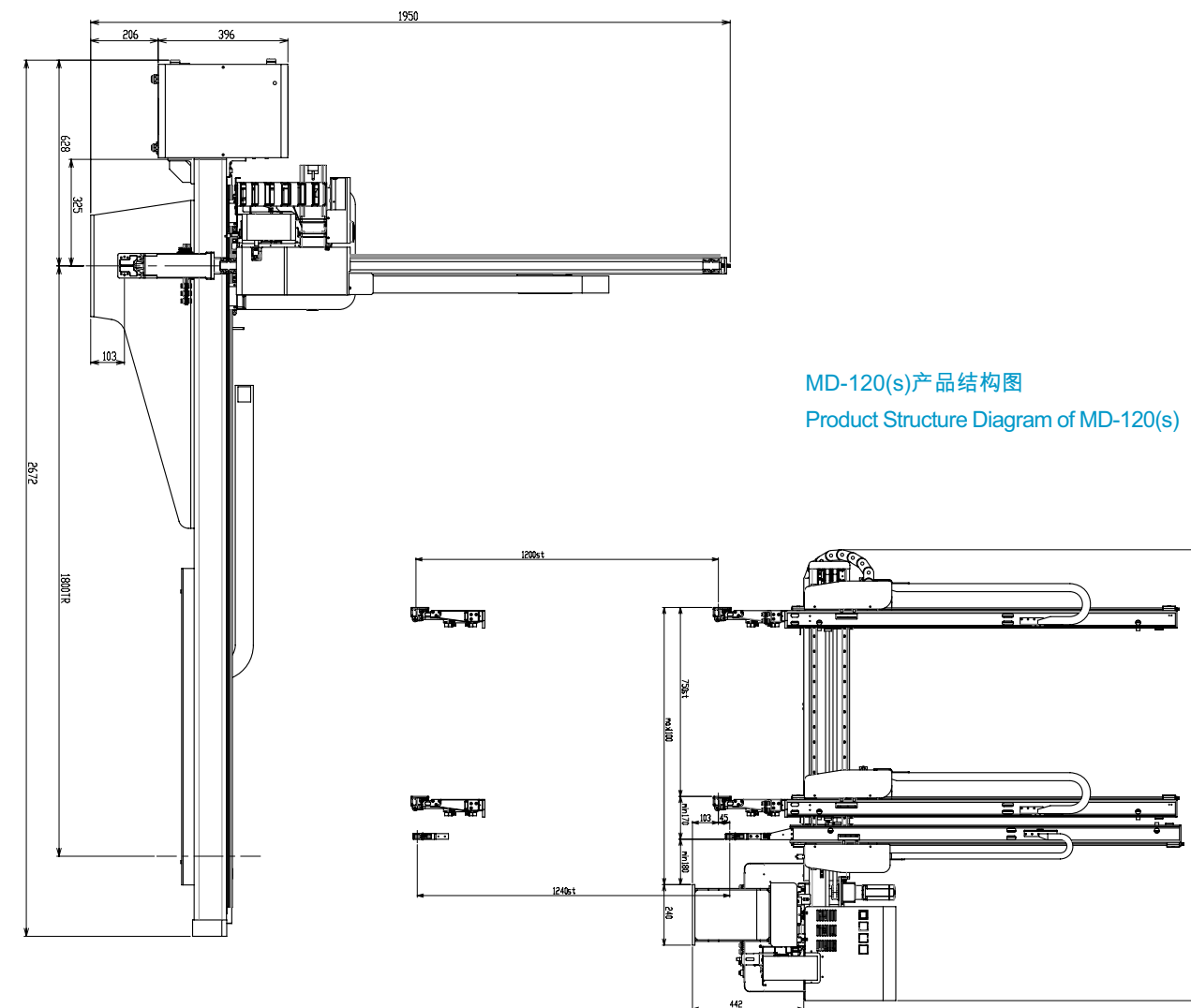
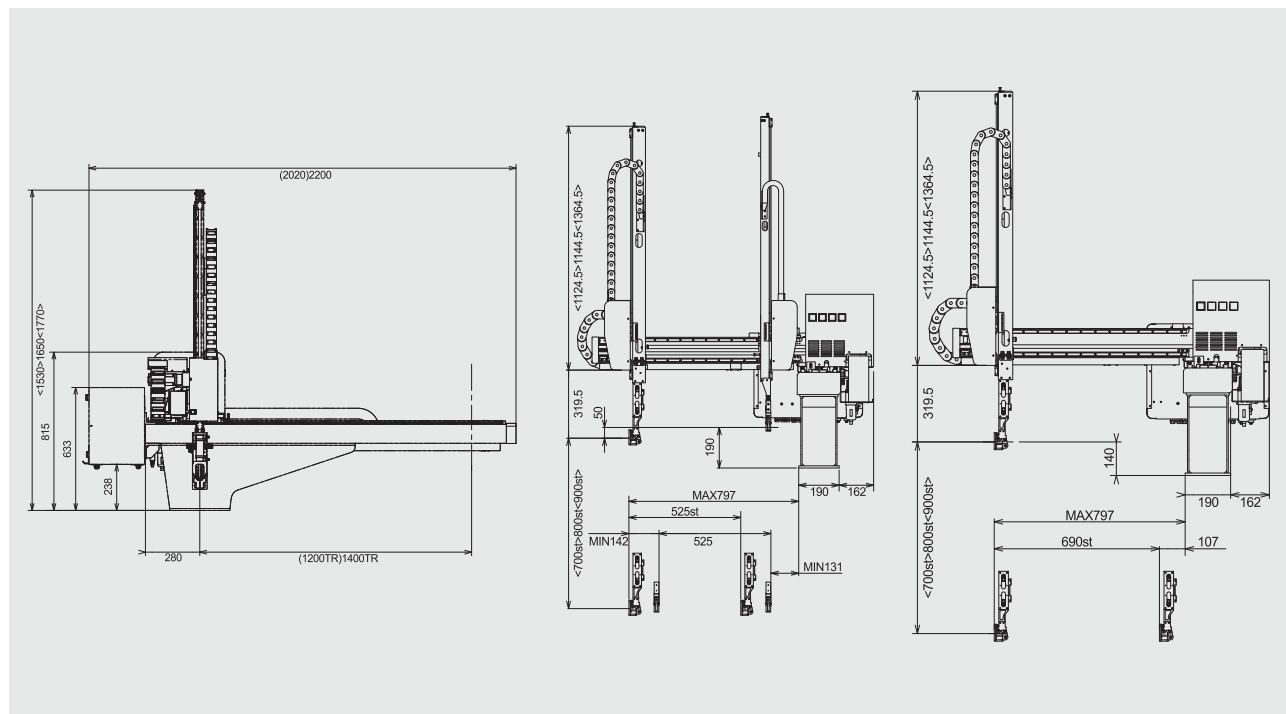
Optional Function

Air Nipper in Chuck
NT Gate Cut
Vacuum Sensing Circuits 4
Releasing Products at 2 Different Points
Products Confirm

Product Structure Diagram of MD-50(s)



Product Structure Diagram of MD-80(s)



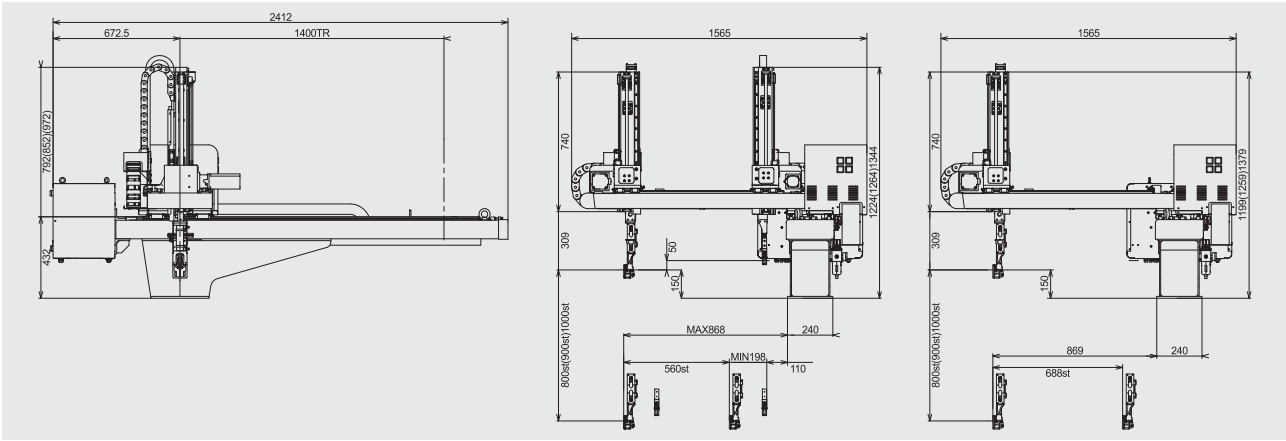
Product Structure Diagram of MD-120(s)

Specification of 3/5 Axes AC Servo Driven Robots

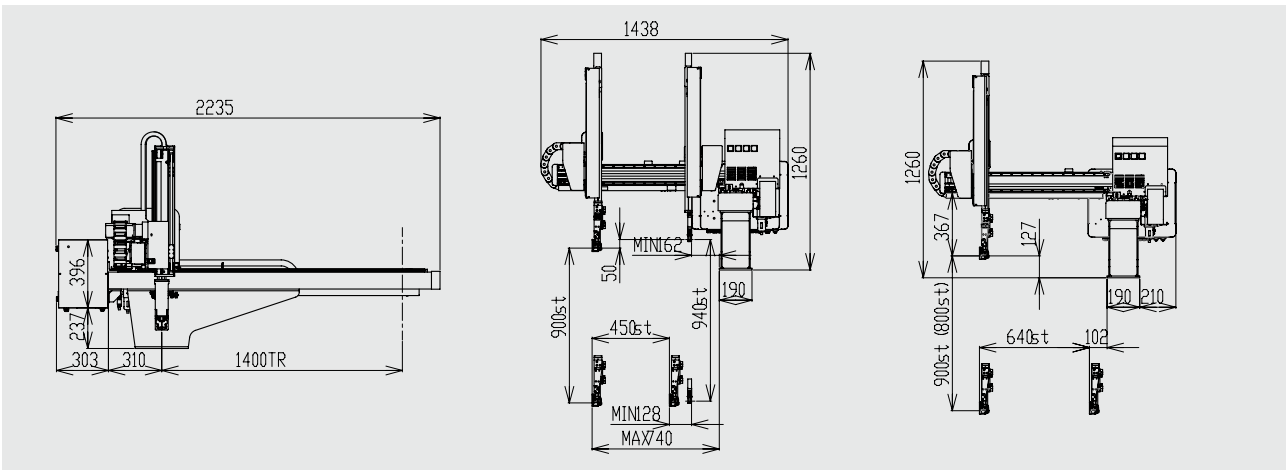
机种 Model	行程Stroke(mm)				最大消耗电力 Max. power consumption	总重量 Weight(Kg)		空气消耗量 Air consumption	走行往返精度 precision	电源 Voltage	驱动方式 Driven system	使用空气压力 Working air pressure
	主臂 Main-arm	副臂 Sub-arm	前后行程 Crosswise stroke	走行 Taverse	KW	本体 Main body	负载 Max. loadN/L	(NL/Cycle)				
MD-50	500 600	—	450	1000 1200	1.2	155	3	3.58	±0.1	AC220V 50/60Hz	Ac伺服马达 AC servo driven motor	0.5~0.7MPa
MD-50s		550 650	300		2.1	180		3.68				
MD-80	700 800 900	—	650	1200 1400	1.3	196	5	3.58				
MD-80s		750 850 950	520		2.3	221		3.68				
MD-120	1200	—	930	1800	2.1	260	5	3.58				
MD-120s		1250	750		3.5	300		3.68				

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

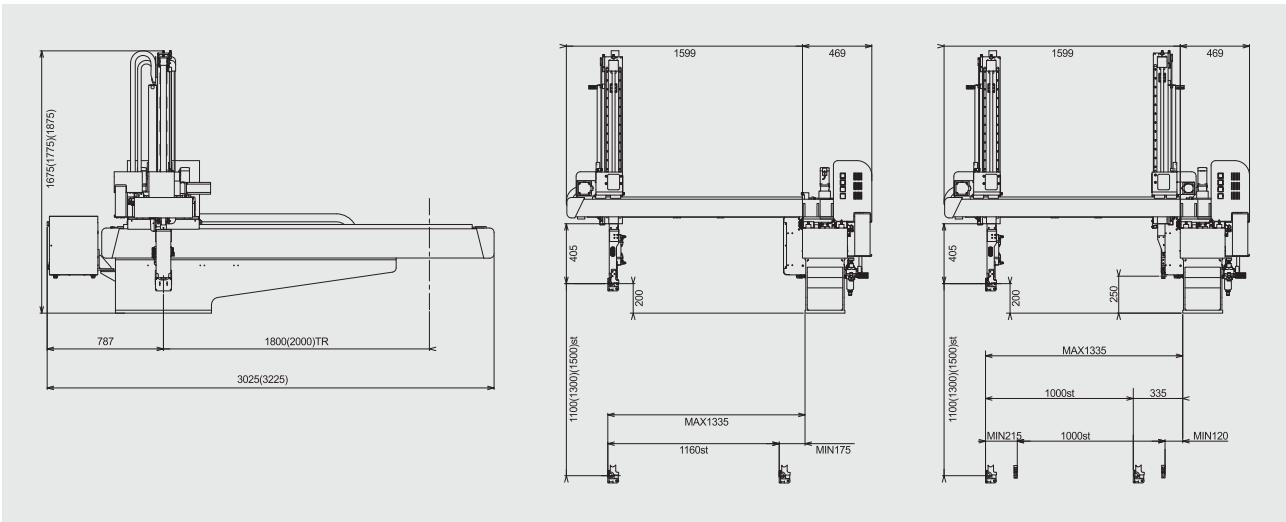
MDW-80(s)产品结构图
Product Structure Diagram of MD-80(s)



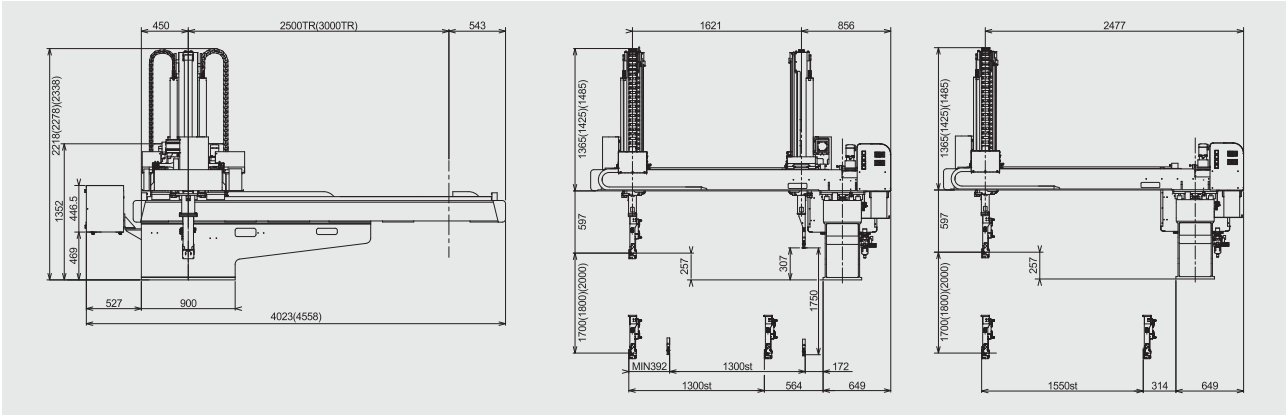
MEW-80(s)产品结构图
Product Structure Diagram of MEW-80(s)



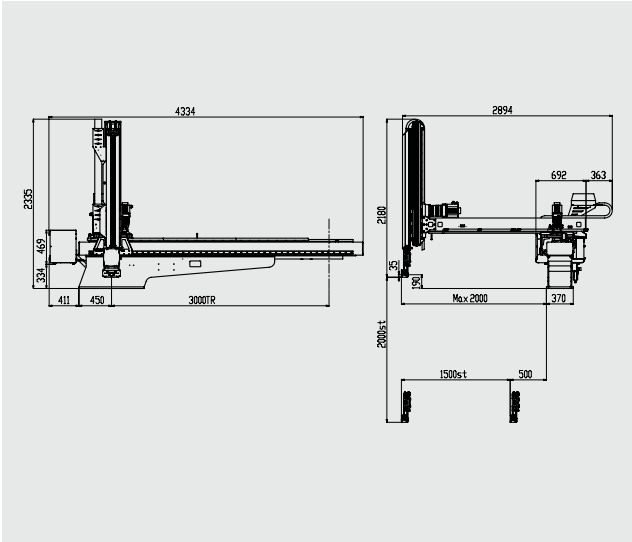
MD-110(s)产品结构图
Product Structure Diagram of MD-110(s)



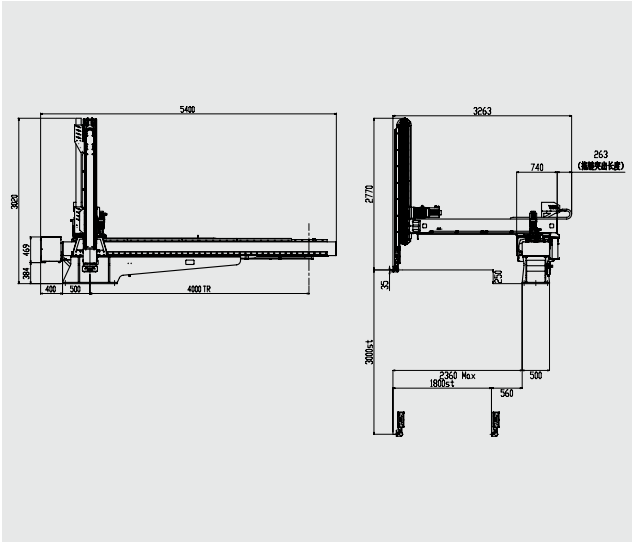
MDW-170(s)产品结构图
Product Structure Diagram of MDW-170(s)



MBW-200 产品结构图
Product Structure Diagram of MBW-300(s)



MBW-200 产品结构图
Product Structure Diagram of MBW-300(s)



横走式三轴/五轴双截伺服机械手规格表
Specification of 3/5 Axes Telescopic AC Servo Driven Robots

机种 Model	行程Stroke(mm)				最大消耗电力 Max. power consumption	总重量 Weight(Kg)		空气消耗量 Air consumption	走行往返精度 precision	电源 Voltage	驱动方式 Driven system	使用空气压力 Working air pressure	
	主臂 Main-arm	副臂 Sub-arm	前后行程 Crosswise stroke	走行 Tarverse	KW	本体 Main body	负载 Max. loadNL	(NL/Cycle)					
MDW-80	800	—	620	1400 1600	2.1	359	5	4.72	±0.1	AC220V 50/60Hz	AC伺服马达 AC servo driven motor	0.5~0.7MPa	
MDW-80s	900 1000	850 950 1050	570		3.5	397		4.82					
MEW-80	800 900	—	640	1400	2.1	220	3	3.58					
MEW-80s		820 930	450		3.5	250		3.68					
MDW-110	1100 1300 1500	—	1160	1800 2000	5.7	518	10	9.82					
MDW-110s		1150 1350 1550	1000		8.2	552		9.92					
MDW-170	1700 1800 2000	—	1500	2500 3000	7.6	1563 1603 1656	25	63					
MDW-170s		1750	1300		9.8	63.5							
MBW-200	2000	—	1500	3000	6.5	1500	30	7					Ac380±10% 50/60Hz
MBW-300	3000	—	1800	4000	8.5	2100	50	7					Ac380±10% 50/60Hz

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TBT, TBA, TBL Series Belt Conveyors

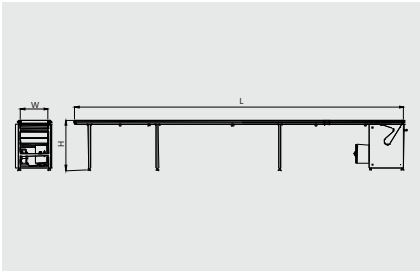
输送带TBT、TBA、TBL、TBZ、TBC系列

特点

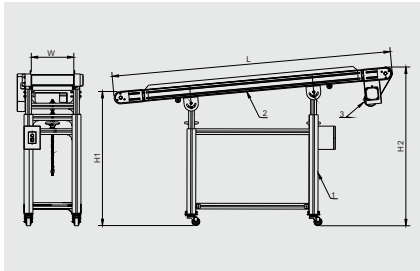
- ◆PVC输送带，可有效保护产品外貌。
- ◆速度可自由调整，可调节速度0~6 m/min，操作简单，使用方便。
- ◆采用万向脚轮配合煞车脚轮，固定与移动方便。
- ◆可外接外部信号，配合机械手实现自动化，也可独立工作。
- ◆TBA与TBL系列铝合金可调支架，机械高度可以根据需要在一定范围内调整
- ◆可以根据客户特殊需求，订作尺寸。



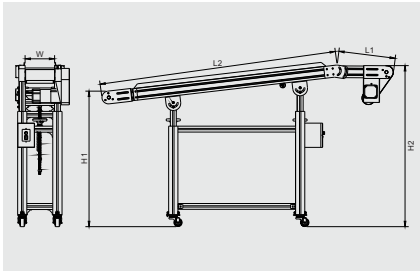
产品结构图
Product Structure Diagram



T型输送带TBT系列
T Type Belt Conveyors



A型输送带TBA系列
A Type Belt Conveyors



L型输送带TBL系列
L Type Belt Conveyors

规格表(TBT) Specification Sheet

产品型号 Model	TBT-050100	TBT-050120	TBT-050150	TBT-050180	TBT-050200	TBT-050220	TBT-050250	TBT-060100	TBT-060120	TBT-060150	TBT-060180	TBT-060200	TBT-060220	TBT-060250	TBT-070100	TBT-070120	TBT-070150	TBT-070180	TBT-070200	TBT-070220	TBT-070250			
输入电源 Power Source	220V/AC IP/PE 50Hz																							
电机功率 Blower Capacity	W	1500				1500				1500				1500				1500				2200		
传送速度 Conveying Speed	m/min	0~10																						
皮带类型 Belt Type	PVC材质/2-4mm厚/颜色: 绿色/耐温: -10℃~+80℃/抗静电, 耐磨, 耐油 Material: PVC / Thickness: 2-4mm / Color: Green / Rating of Temperature: -10℃~+80℃ / Static-free, wearing, oil proof																							
防滑要求 Prevent Slippery	标配功能不防滑Option																							
外观尺寸 Dimensions	L(M)	10	12	15	18	20	22	25	10	12	15	18	20	22	25	10	12	15	18	20	22	25		
	W(M)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
	H(M)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		

备注: 因篇幅限制, 本表只列出部分型号, 了解更多可以向我公司客服代表索取。
This list just shows a part of products because of the limited type setting, you can request more information from our customer service department.

规格表 (TBA) Specification Sheet

产品型号 Model		TBA-020020	TBA-020025	TBA-020030	TBA-020035	TBA-020040	TBA-020045	TBA-030020	TBA-030025	TBA-030030	TBA-030035	TBA-030040	TBA-030045
输入电源 Power Source	V	220VAC IP/PE 50Hz											
电机功率 Blower Capacity	W	60/90											
传送速度 Conveying Speed	m/min	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6
皮带类型 Belt Type		PVC材质/2mm厚/颜色: 绿色/耐温: -10℃~+80℃/抗静电, 耐磨, 耐油 Material: PVC / Thickness: 2mm / Color: Green / Rating of Temperature: -10℃~+80℃ / Static-free, wearing, oil proof											
防滑要求 Prevent Slippery		标配功能不防滑Option											
外观尺寸 Dimensions	L(M)	2	2.5	3	3.5	4	4.5	2	2.5	3	3.5	4	4.5
	W(M)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
	H1(M)	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3
	H2(M)	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6

产品型号 Model	TBA-040020	TBA-040025	TBA-040030	TBA-040035	TBA-040040	TBA-040045	TBA-050020	TBA-050025	TBA-050030	TBA-050035	TBA-050040	TBA-050045
输入电源 Power Source	V	220VAC IP/PE 50Hz										
电机功率 Blower Capacity	W	90/120										
传送速度 Conveying Speed	m/min	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6
皮带类型 Belt Type		PVC材质/2mm厚/颜色: 绿色/耐温: -10℃~+80℃/抗静电, 耐磨, 耐油 Material: PVC / Thickness: 2mm / Color: Green / Rating of Temperature: -10℃~+80℃ / Static-free, wearing, oil proof										
防滑要求 Prevent Slippery		标配功能不防滑Option										
外观尺寸 Dimensions	L(M)	2	2.5	3	3.5	4	4.5	2	2.5	3	3.5	4
	W(M)	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
	H1(M)	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3	0.9~1.3
	H2(M)	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6

规格表 (TBL) Specification Sheet

产品型号 Model	TBL-020020	TBL-020025	TBL-020030	TBL-020035	TBL-020040	TBL-020045	TBL-030020	TBL-030025	TBL-030030	TBL-030035	TBL-030040	TBL-030045
输入电源 Power Source	V	220VAC IP/PE 50Hz										
电机功率 Blower Capacity	W	60/90										
传送速度 Conveying Speed	m/min	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6
皮带类型 Belt Type		PVC材质/2mm厚/颜色: 绿色/耐温: -10℃~+80℃/抗静电, 耐磨, 耐油 Material: PVC / Thickness: 2mm / Color: Green / Rating of Temperature: -10℃~+80℃ / Static-free, wearing, oil proof										
防滑要求 Prevent Slippery		标配功能不防滑Option										
外观尺寸 Dimensions	L1(M)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	L2(M)	1.6	2.1	2.6	3.1	3.6	4.1	1.6	2.1	2.6	3.1	4.1
	W(M)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
	H1(M)	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6

产品型号 Model	TBL-040020	TBL-040025	TBL-040030	TBL-040035	TBL-040040	TBL-040045	TBL-050020	TBL-050025	TBL-050030	TBL-050035	TBL-050040	TBL-050045
输入电源 Power Source	V	220VAC IP/PE 50Hz										
电机功率 Blower Capacity	W	90/120										
传送速度 Conveying Speed	m/min	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6	0~6
皮带类型 Belt Type		PVC材质/2mm厚/颜色: 绿色/耐温: -10℃~+80℃/抗静电, 耐磨, 耐油 Material: PVC / Thickness: 2mm / Color: Green / Rating of Temperature: -10℃~+80℃ / Static-free, wearing, oil proof										
防滑要求 Prevent Slippery		标配功能不防滑Option										
外观尺寸 Dimensions	L1(M)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	L2(M)	1.6	2.1	2.6	3.1	3.6	4.1	1.6	2.1	2.6	3.1	4.1
	W(M)	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
	H1(M)	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6	1.1~1.6

注: 产品规格若有变更, 恕不另行通知 We reserve right to change specifications without prior notice.

Application Case of Automation System

客户案例：自动取出系统应用实例



拓斯达五轴机械手、单轴机械手及输送带运行现场，实现自动化，节省大量人力。
TOPSTAR five axes robots, single axis robots & conveyor operation site can realize automation and save abundant labor.



Centralized Feeding System

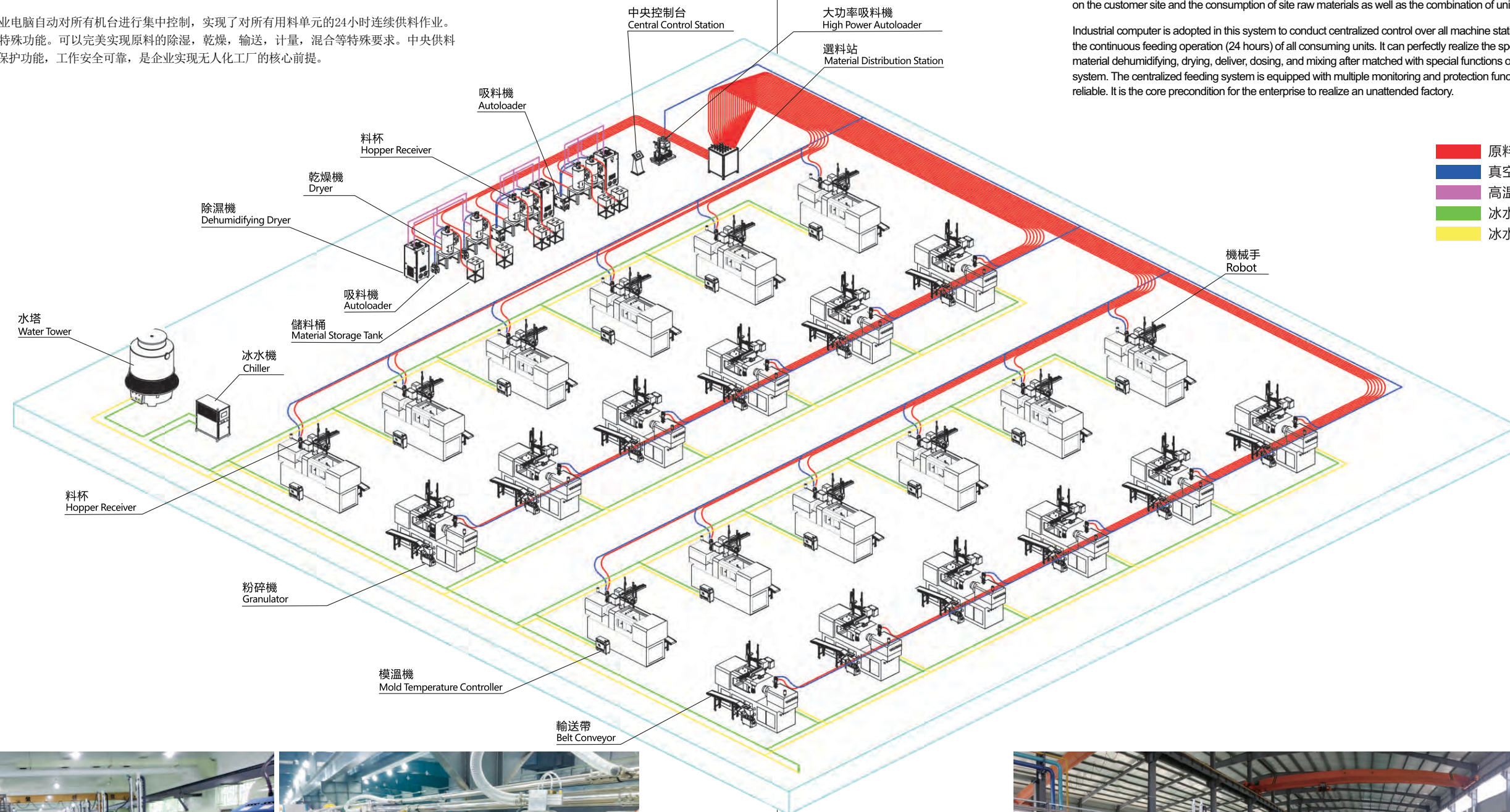
中央供料系统

中央供料系统是根据客户现场机台的摆放情况和对现场原料的用料情况，结合特有辅机设备而设计的一种能够实现集中供料，集中控制，从而实现全厂无人化不间断成形作业的整体性解决方案。

中央供料系统采用工业电脑自动对所有机台进行集中控制，实现了对所有用料单元的24小时连续供料作业。配合系统内各机台的特殊功能。可以完美实现原料的除湿，乾燥，输送，计量，混合等特殊要求。中央供料系统具有多种监控及保护功能，工作安全可靠，是企业实现无人化工厂的核心前提。

The centralized feeding system is an overall solution capable of realizing centralized feeding and control so as to realize the unattended continuous forming operation of the whole plant. It is designed according to the placing conditions of machine stations on the customer site and the consumption of site raw materials as well as the combination of unique auxiliary equipment.

Industrial computer is adopted in this system to conduct centralized control over all machine stations automatically, thus realizing the continuous feeding operation (24 hours) of all consuming units. It can perfectly realize the special requirements of raw material dehumidifying, drying, deliver, dosing, and mixing after matched with special functions of each machine station within the system. The centralized feeding system is equipped with multiple monitoring and protection functions. The operation is safe and reliable. It is the core precondition for the enterprise to realize an unattended factory.



Composition of Centralized Feeding System

中央供料系统的组成

控制单元

中央供料控制部分主要负责接收各个工作单元发出的信号，在经过运算后发出相关指令到各个执行单元，是整个中央供料系统的大脑，决定整个系统的稳定与成败。

中央供料控制箱采用西门子PLC 和人机，是系统安全稳定运行的前提保障。

Control Unit

The control part of centralized feeding system is mainly responsible for receiving the signals sent from each working unit. After computing, relevant commands will be sent to each execution unit. It is the brain of the whole centralized feeding system, for it decides the stability and success of the whole system.

Siemens PLC and man-machine interface are adopted for the centralized feeding control cabinet. It is the precondition and guarantee of the safe and stable operation of the system.



中央控制台
Central Control Station



西门子触摸屏
SIEMENS PLC

动力单元

动力部分主要包含真空马达和安全过滤集尘器，电子式释压阀和机械释压阀等组成，负责为整个系统提供充足的动力，配合系统完成各项抽料工作，是整个系统的动力来源。

Dynamic Unit

The dynamic part is mainly composed of vacuum motor, safety filter, electronic pressure relief valve, mechanical pressure relief valve, etc.. It is responsible for providing sufficient dynamic power for the whole system. It coordinates with the system to complete various loading tasks. It is the dynamic source of the whole system.



选料站
Material Distribution Station



集尘器
Dust Collector

输送单元

输送部分主要包括吸料盒，断料式吸料箱，选料站，现场管路及二次断料阀等组成吸料箱的功能是配合系统将原料从干燥机或原料送至吸料机，口径依据系统而定。断料式吸料箱的功能是配合系统进行抽料并具备清料功能，防止管路内有残余余料存在。采用抗静电管夹，有效消除静电。

Conveying Unit

The conveying unit mainly includes suction box, shut-off box, material distribution station, site pipes, material cleaning valve, etc.. The function of suction box is to coordinate with the system to deliver the raw materials from dryer to autoloader. The caliber is determined according to the system. The function of shut-off suction box is to coordinate with the system for loading and cleaning materials to prevent the existence of residual materials in the pipes. Using antistatic hose clamp that can eliminate static electricity effectively.

原料处理

包括干燥机和除湿机，储料桶。通过除湿干燥处理，满足产品对原料的特别要求，降低产品不良率，提高产品的品质，同时可以有效缩短产品的成型周期。

Raw Material Processing

Dryer, dehumidifying dryer and material storage tank is mainly to meet the requirements of the products for the temperature of raw materials so as to effectively shorten the molding cycle time.

终端单元

中央式料斗是整个系统的终端设备；两料比例阀主要配合粉碎机，满足成形机对新料和次料混合使用的特殊要求。

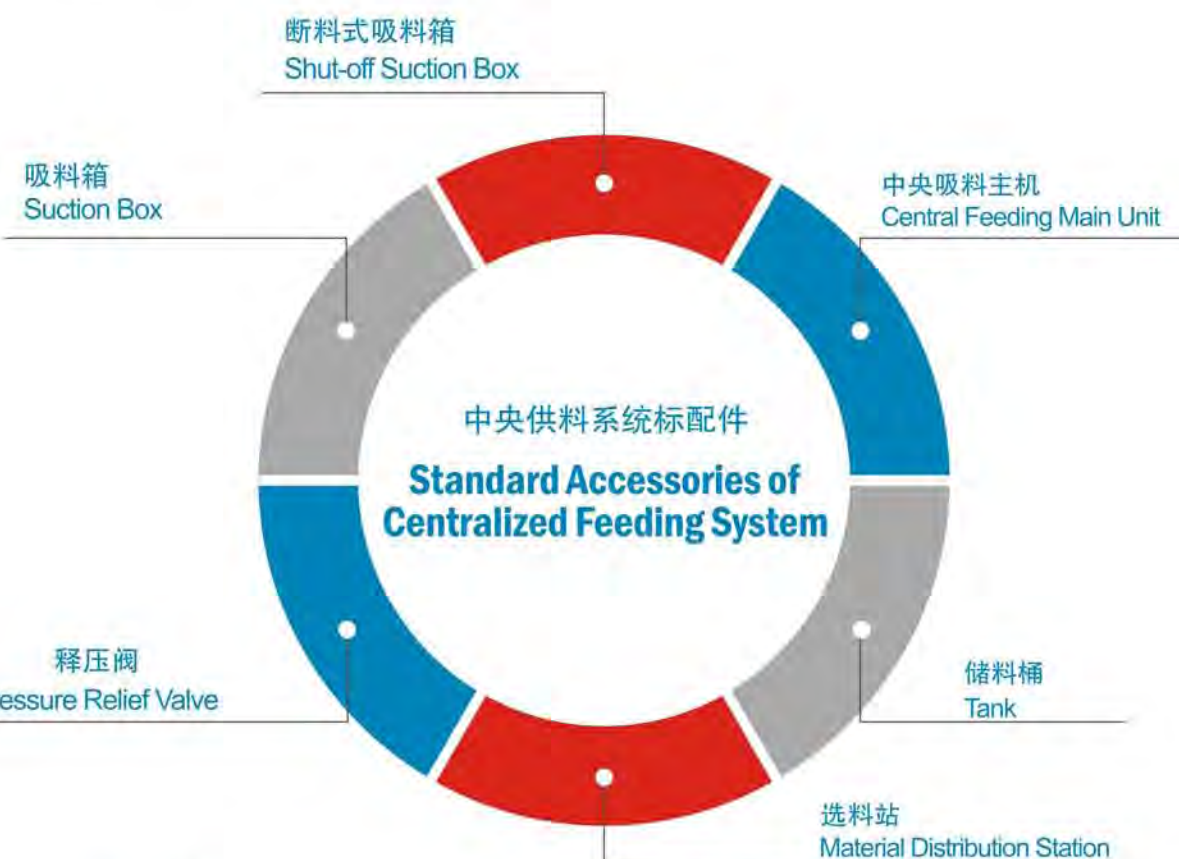
Terminal Unit

Centralized hopper receiver is the terminal device of the whole system. The proportional valve mainly coordinates with granulator to meet the special requirements of forming machine for the mixed use of new and inferior materials.

Why would you select the centralized feeding system of TOPSTAR?

为什么选择拓斯达中央供料系统？

- ◆实现全厂加料无人化作业，为企业节省大量人力。
- ◆配合冷却水循环系统，自动取出传送系统，冷热交换系统和次料回收系统，实现全厂无人化作业，企业可以节省用于空调和电灯等设备所消耗的能源。
- ◆极大的提高企业的生产效率，降低企业的生产成本。
- ◆极大的提高产品的品质，降低不良率。
- ◆可以根据需要调整不同的原料，为企业省去很多换料的麻烦。
- ◆管路不占据地面空间，为企业节省大量的有效空间。
- ◆走管和摆放美观，可以有效改善生产车间的环境。
- ◆费用相对低廉，长远看为企业节省大量资金。
- ◆实现封闭管路输送原料，彻底避免对车间的噪音，粉尘，热气污染，是最大限度提高产品质量的最佳系统。
- ◆Realize the unattended dosing operation of the whole factory, thus saving abundant labor for the enterprise.
- ◆Coordinate with the cooling water circulation system to automatically take out transmission system, cooling and heating exchange system and regrind material recycling system, to realize the unattended operation of the whole factory. The enterprise can save energies consumed by equipment like air conditioner and electric light.
- ◆Enormously improve the production efficiency of the enterprise and reduce its production cost.
- ◆Tremendously improve the product quality and reduce reject ratio.
- ◆Adjust different raw materials according to relevant demands to save the trouble of raw material replacement encountered by the enterprise before.
- ◆The pipes do not occupy ground space, thus saving abundant effective space for the enterprise.
- ◆The pipe arrangement and placing are artistic so as to effectively improve the environment in the production workshop.
- ◆The costs are relatively cheap to save abundant capital for the enterprise if viewed from a long-term perspective.
- ◆Realize enclosed pipe transmission of raw materials to thoroughly avoid workshop noise, dust and heat pollution. It is the best system to improve product quality to a maximal extent.



重要提示：需要进一步了解上述标配件的产品结构图和产品规格表，可以向我公司客服代表索取。

Reminding: The product structural drawings and specification tables of the above standard accessories shall be further comprehended, for more information, please contact us.

Application Case of Centralized Feeding System

客户案例：中央供料系统应用实例



越来越多的现代化注塑工厂正在使用拓斯达中央供料系统

A growing number of modern plastics injection molding factories are using TOPSTAR Centralized Feeding System.



THD Series Hopper Dryers

普通型料斗干燥机THD系列



主要用于塑料颗粒的乾燥。用高温热风处理各种潮湿的原料，使原料充分乾燥，确保产品质量。装料容量从12~800公斤可供选择。可加装排风过滤(选配)，过滤粉尘气体避免空气污染，确保工作环境之整洁。加装热风回收(选配)，使热风形成半封闭循环回路，加速热风循环速度，能降低损耗，省电30%。

Hopper Dryers are mainly applied to plastic material drying. Hot air is used to dry all wet materials which gain an even hot air flow to improve drying efficiency for assuring quality of products. Hopper capacities rang from 12kgs ~800kgs can be offered for selection. Exhaust air filter (option) can filter the dust-contain air effectively from discharging to the surrounding area. Hot air recyclers (option) to make hot air form a semi-closed circulated loop to speed up hot air circulation for shorten heating time to achieve energy saving up to 30%.

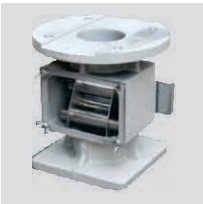
特点

- ◆原料接触面为全不锈钢设计，确保原料不被污染。
- ◆精密压铸的铝质外壳，表面光滑，保温性能好。
- ◆隔尘静音风机可隔绝尘埃，确保原料不受污染。
- ◆桶体机座设计有视料窗，可直接观察内部工作情况。
- ◆上吹式干燥机发热管弯型设计，避免因原料落入桶内而引起发热管损坏。
- ◆采用均匀分散热风之高性能热风扩散装置，保持塑料干燥温度均匀，增加乾燥效率。
- ◆桶身与料斗采分离式设计，方便清料的。
- ◆具有超温过载等安全保护装置。
- ◆各机种可选配定时装置。

Features

- ◆All material contact surfaces are made of stainless steel to avoid material contamination.
- ◆Precise aluminum casting hopper barrel features smooth surface & good performance on temperature keeping .
- ◆Sound-proof blower with anti-dust design eliminates dust for ensuring material fre from contamination.
- ◆Hopper barrel is fitted with see-through windows to observe inside material level.
- ◆Hot air inlet elbow design can prevent dust piling up at the bottom of the heaters to avoid burning.
- ◆To adopt hot air diffuser for acquiring an even hot air flow to improve drying efficiency.
- ◆Hopper barrel separated from its base for easy cleaning.
- ◆Safety device with overheat and overload protection.
- ◆24 hours auto start/stop timers are available as option.

选择加装配件 Options



磁力底座
Magnetic Seat



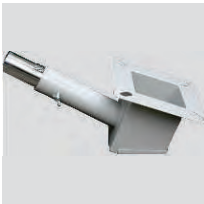
料斗磁石磁力架
Hopper Magnet



热风回收过滤器
Hot Air Recycler



排风过滤器
Exhaust Air Filter



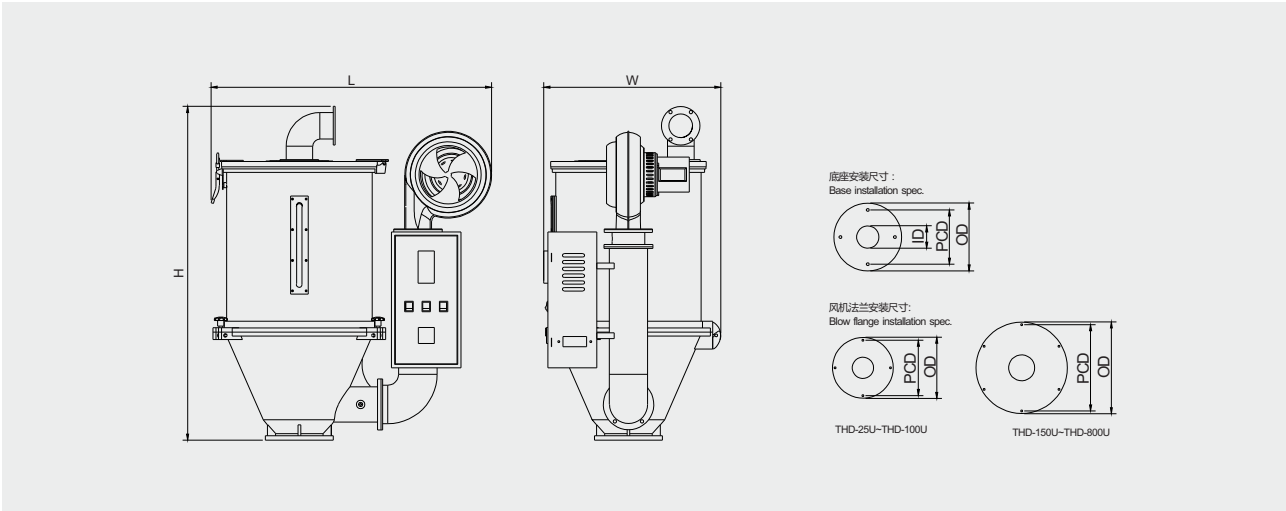
吸料箱
Material suction box



脚架
Floor Stand

产品结构图

Product Structure Diagram



规格表

Specification Sheet

产品型号 Model		THD-12U	THD-25U	THD-50U	THD-75U	THD-100U	THD-150U	THD-200U	THD-300U	THD-400U	THD-600U	THD-6U
		THD-12UT	THD-25UT	THD-50UT	THD-75UT	THD-100UT	THD-150UT	THD-200UT	THD-300UT	THD-400UT	THD-600UT	THD-6UT
料桶容量 Hopper Capacity	KG	12	25	50	75	100	150	200	300	400	600	6
风机功率 Blower Power	W	75	135	155	210	215	320	320	320	340	400	75
电热功率 Heater Power	KW	1.8	3.0	4.0	4.0	6.0	9.0	12.0	12.0	15.0	20.0	1.8
乾燥温度 Drying temp.	°C	最高150										
出口口径 Outlet Size	inch	2.5	2.5	2.5	2.5	2.5	3.5	5	3.5	5	5	1.5
桶身直径 Hopper Body Dia.	M	0.26	0.348	0.422	0.495	0.562	0.6	0.76	0.71	0.892	0.992	0.26
法兰ID直径 Flange ID Dia.	M	0.052	0.066	0.066	0.066	0.076	0.085	0.11	0.11	0.12	0.13	0.052
法兰PCD直径 Flange PCD Dia.	M	根据实际开孔 Openings according to the actual										
法兰OD直径 Flange OD Dia.	M	0.128	0.17	0.2	0.2	0.23	0.23	0.295	0.295	0.31	0.32	0.128
风机PCD直径 Blower PCD Dia.	M	0.136	0.163			0.208	0.254				0.136	
风机OD直径 Blower OD Dia.	M	0.148	0.18			0.22	0.27				0.148	
系统电源 Power Supply	V	380VAC 3P/PE 50Hz										
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz										
总功率 Total Power	KW	2	3.5	4.5	4.5	6.4	9.5	12.5	12.5	12.5	21.6	2
电源线规格 Wires Specifications	mm²	5×1.5	5×1.5	5×2.5	4×4+1×2.5			4×6+1×4		4×10+1×6		5×1.5
电源线长度 Wires Length	M	3.5	3.5	3.5	5	5	5	5	5	5	5	3.5
外观尺寸 Dimensions	L(mm)	0.6	0.75	0.826	0.94	0.97	1.1	1.29	1.29	1.5	1.54	0.6
	W(mm)	0.4	0.48	0.49	0.586	0.684	0.728	0.9	1.0	1.058	1.158	0.4
	H(mm)	0.65	0.86	0.982	1.03	1.166	1.4	1.5	1.66	1.8	2.1	0.58
机器重量 Weight	KG	40	45	50	60	75	80	120	125	170	250	35
选配部件 Optional Accessories		1. 磁力底座 Magnet Seats 2. 磁力架 Hopper Magnets 3. 热风回收过滤器 Hot Air Recyclers 4. 排风过滤器 Exhaust Air Filters 5. 落料座 Discharge Seats 6. L型脚架 L Type Floor Stands 7. A型脚架 A Type Floor Stands 8. 吸料箱 Material Suction Boxes										

产品编号如 “THD-12U” 表示不带定时器; “THD-12UT” 表示带定时器

Note: Model THD-12U, means hopper dryer without timer; Model THD-12UT, means hopper dryer with timers.

注: 产品规格若有变更, 恕不另行通知 We reserve right to change specifications without prior notice.

THD Series Stainless Hopper Dryers

不锈钢料斗干燥机THD系列



不锈钢料斗干燥机获得实用新型专利
Practical New Patent for Stainless Hopper Dryers
专利号/Patent No: ZL 201120302379.3

特点

- ◆采用双层不锈钢材质制成，保温效果极好，节省能源。
- ◆配备入料口盖，方便吸料机的安装。
- ◆采用“热风下吹式”和“空气旋风排气”原理，保证乾燥效果均匀统一。
- ◆可调式过热安全保护装置。
- ◆标准外接式绝缘主电源。
- ◆桶体机座设计有视料窗，可直接观察内部工作情况。
- ◆桶身与料斗采分离式设计，方便清料。
- ◆具有超温超载等安全保护装置。
- ◆各机种配定时装置。

选择加装配件

- 1、磁力底座
- 2、料斗磁石磁力架
- 3、热风回收过滤器
- 4、排风过滤器
- 5、吸料箱
- 6、脚架

一体成型设计且桶身内外采特殊抛光处理。采用“热风下吹式”和“空气旋风排气”原理，能保证乾燥效果均匀统一。不锈钢材质，确保原料不受污染，特别适用于光学级产品。

Stainless and polished one-unit design ensures material free from contamination. It adapts "Hot Air Down-Blowing" and "Cyclonic Air Exhausting" principle to ensure uniform dry efficiency. All these models are particularly for optics.

Features

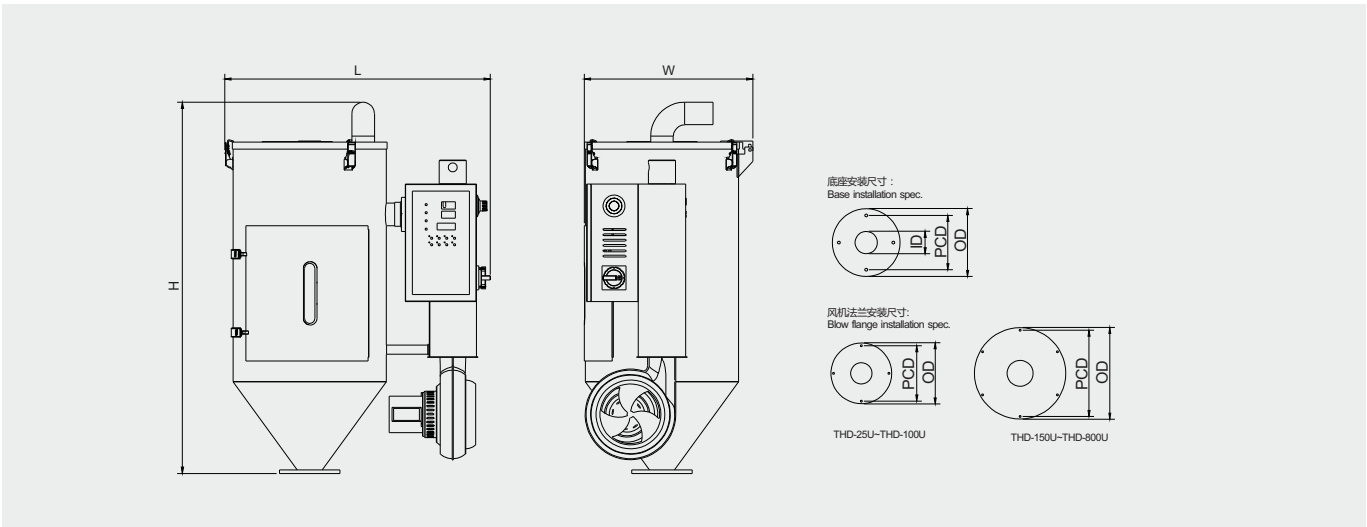
- ◆Double - layer stainless steel hopper dryer features with superior temperature keeping to improve energy saving greatly.
- ◆The material inlet lid of hopper is equipped for easy installation of auto loader.
- ◆Drying under the principle of hot air down- blowing and cyclone air exhausting result in consistent drying effects evenly.
- ◆Adjustable overheat safety thermostat.
- ◆Main power isolator externally installed as standard.
- ◆Hopper barrel is fitted with see-through windows to observe inside material level.
- ◆Hopper barrel separated from its base for easy cleaning.
- ◆Safety device with overheat and overload protection.

Options

1. Magnetic Seats
2. Hopper Magnet
3. Hot Air Recyclers
4. Exhaust Air Filters
5. Material suction boxes
6. Floor Stand

产品结构图

Product Structure Diagram



规格表

Specification Sheet

产品型号 Model		THD-6DT	THD-12DT	THD-25DT	THD-50DT	THD-75DT	THD-100DT	THD-150DT	THD-200DT	THD-300DT	THD-400DT	THD-500DT	THD-600DT	THD-800DT	THD-1000DT	THD-1500DT	THD-2000DT
料桶容量 Hopper Capacity	KG	6	12	25	50	75	100	150	200	300	400	500	600	800	1000	1500	200
风机功率 Blower Power	W	75	75	135	155	210	215	320	320	340	340	340	1000	2730	1100	2200	4000
电热功率 Heater Power	KW	0.9	1.8	3.0	4.0	4.0	6.0	9.0	12.0	15.0	18.0	21	21.0	24.0	24.0	32	32
乾燥温度 Drying temp.	℃	150 (150℃～180℃选配 Option)															
出口口径 Outlet Size	inch	1.5	1.5	1.5	2	2	2.5	2.5	2.5	3	3	3	4	4	5	5	5
内桶直径 Inside Hopper	M	0.2106	0.25	0.287	0.387	0.422	0.457	0.512	0.607	0.67	0.76	0.856	0.9	0.9	1	1.2	1.2
外桶直径 Outside Hopper	M	0.253	0.293	0.33	0.43	0.465	0.5	0.595	0.69	0.754	0.844	0.94	0.985	0.944	1.05	1.25	1.25
法兰ID 直径 Flange ID	M	0.04	0.04	0.05	0.05	0.065	0.065	0.065	0.0762	0.1	0.1	0.1	0.1	0.11	0.11	0.11	0.11
法兰OD 直径 Flange PCD	M	0.09	0.09	0.125X0.125	0.13X0.13	0.13X0.13	0.13X0.13	0.13X0.13	0.15X0.2	0.15X0.2	0.21X0.25	0.21X0.25	0.2	0.2	0.2	0.2	0.2
法兰OD 直径 Flange OD	M	0.12	0.12X0.12	0.175X0.175	0.175X0.175	0.175X0.175	0.175X0.175	0.175X0.175	0.175X0.175	0.18X0.245	0.18X0.245	0.25X0.3	0.25X0.3	0.23	0.23	0.23	0.23
风机PCD 直径 Blower PCD	M	0.07	0.136	0.163			0.208		0.254				0.27				
风机OD 直径 Blower OD	M	0.1	0.148	0.18			0.22		0.27				0.3				
系统电源 Power Supply	V	380VAC 3P/PE 50Hz															
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz															
总功率 Total Power	KW	1	2.1	3.4	4.4	4.4	6.4	9.5	12.5	15.5	18.5	21.5	22.5	26.8	25.4	34.5	36.4
电源线规格 Wires Specifications	mm²	5*1.5	5*1.5	5*2.5	5*2.5	5*2.5	4*4+1*2.5	4*4+1*0.5	4*6+1*4	4*6+1*4	4*10+1*6	4*10+1*6	4*10+1*6	4*10+1*6	4*16	4*25	4*25
电源线长度 Wires Length	M	5	5	5	5	5	5	5	5	5	5	5	5	5			
外观尺寸 Dimensions	L(m)	0.49	0.525	0.605	0.715	0.74	0.8	0.95	1.05	1.14	1.26	1.36	1.49	1.86	1.35	1.55	1.55
	W(m)	0.36	0.36	0.57	0.66	0.67	0.69	0.85	0.9	0.91	0.98	1.05	1.1	1.25	1.05	1.25	1.25
	H(m)	0.55	0.65	0.88	1.09	1.26	1.385	1.55	1.64	1.76	1.86	2.02	2.57	2.75	2.5	2.8	3.3
机器重量 Weight	KG	30	30	47	63	65	95	130	155	186	225	260	280	320	380	500	580
选配部件 Optional Accessories		1. 磁力底座 Magnet Seats 2. 磁力架 Hopper Magnets 3. 热风回收过滤器 Hot Air Recyclers 4. 排风过滤器 Exhaust Air Filters 5. 落料座 Discharge Seats 6. L型脚架 L Type Floor Stands 7. A型脚架 A Type Floor Stands 8. 吸料箱 Material Suction Boxes															

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TDLS 2 in 1 Compact Drying Autoloaders

二机一体TDLS系列



二机一体集乾燥送料于一体，具有功效高，移动方便，构造简单，机器信赖度高。全机采用微电脑控制，操作简单，性能稳定，以满足客户不同之需求，特别适用于厂房高度受到限制的大型及立式射出成型机。

Drying Loaders Combination integrate hopper dryers and loaders into one unit , with the features of high efficiency , easy move, simple structure, high reliability。Machines equip with microcomputer control system with the features of simple operation, stable function in order to meet various requirements of customers, this combination is especially applicable to the height limitation of factory for large horizontal IMM or vertical IMM.

特点

- ◆集乾燥、二段送料二种功能于一体，并可选择三段送料功能。
- ◆双层保温乾燥料桶采用下吹式风管设计，防止热能流失，提高乾燥效率。
- ◆全不锈钢上、下送料系统，避免原料污染。
- ◆封闭式循环乾燥气及运料系统，可避免乾燥后的原料因接触外界空气而再度回潮。
- ◆采用无触点固态继电器控制加热。（选配）
- ◆故障智能警报，时间智能预约。
- ◆多重保护装置。
- ◆采用国外高级进口零组件，提高性能及延长使用寿命，节省维修成本。
- ◆外型粉体烤漆，美观大方。
- ◆结构简单紧凑，机器占地小，节省空间，移动方便，可任意更换机台使用，
- ◆设计人性化方便保养维修。

Features

- ◆Drying loaders combination integrate hopper dryers and single-stage conveying into one unit. Three- stage conveying functions are available as option.
- ◆Double layer stainless steel hopper dryers adapt the design of hot air down- blowing result to prevent heat dispersion and to enhance drying efficiency.
- ◆All equipments including loading &conveying material system are made of stainless steel to avoid material contamination.
- ◆Closed-loop air circulation for feeding system to avoid the

- possibility of moisture regain for dried material to absorb outside air during material conveying.
- ◆To adapt contactless solid for controlling heating.
- ◆Intelligent faulty alarm & intelligent time reservation.
- ◆Multiple safety protection devices
- ◆Using imported superb parts which enhance function and extend service life for saving maintenance cost.
- ◆Powder coated frame of machine with exquisite appearance.
- ◆Compact construction; small footprint to save space, move conveniently for any

规格表 Specification Sheet

产品型号 Model	TDLS-15	TDLS-25	TDLS-50	TDLS-75	TDLS-100	TDLS-150	TDLS-200	TDLS-300	TDLS-400
料桶容量 Hopper Capacity (kg)	15	25	50	75	100	150	200	300	400
产品型号 Model (kw)	3	3	4	4	6	9	12	15	18
乾燥风机功率 Drying Blower Capacity (kw)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0
输送风机功率 Conveying Blower Capacity(kw)	0.75	0.75	0.75	0.75	1.1	1.1	1.1	1.1	1.1
处理风量 Air Capacity(l/min)	50	65	70	82	120	155	195	305	410
系统电源 Power Supply (v)	380VAC 3P/PE 50Hz								
控制电源 Cotrol Voltage (v)	220VAC 1P/PE 50Hz								
总功率 Total Power (kw)	4.5	4.6	5.5	6	7.5	11.5	15	18.4	22.5
电源线规格 Wires Specification (mm²)	4*4				4*6			4*10	
电源线长度 Wires Length (m)	5.5								
外观尺寸 Dimensions	L(m)	0.815	0.815	0.897	0.932	0.968	1.169	1.197	1.630
	W(m)	0.837	0.837	0.897	0.932	0.968	0.998	0.998	1.036
	H(m)	1.587	1.797	1.898	2.030	2.160	2.264	2.355	2.646
料管口径 Material Pipe Size	1.5								
料斗（成型机上） Hopper Receiver	TAL-3SE				TAL-6SE				
机器重量 Weigth	150	165	173	206	208	307	323	391	421

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TCD Series Cabinet Dryers

箱型乾燥机TCD系列



主要用于塑胶原料的乾燥，尤其处理少量多样或测试用之塑胶的乾燥，可免除换料、清料之困扰，节省工时。全机采用精密PID电子温度控制，24小时开关机定时功能，操作简单，性能稳定，能耗更低，乾燥最高温度达250℃。

Cabinet Dryers are mainly applied to plastic material drying, particularly for simultaneous drying various plastic materials with small quantities or for trial molding purpose. It can avoid annoy on changing and cleaning plastic materials to save working time. All these models adapt precise P.I.D temperature control to have the function of 24 hours timer for start/ close dryer at setting time and drying temperature up to 250℃. This series is with superior features on easy operation, stable function, and low consumption.

特点

- ◆采用PID温度控制系统, 提供均匀的烘干效果。
- ◆高温密封门保持一致的温度和降低电力的损耗。
- ◆不锈钢烤盘，可防止烘干过程中污染原料。
- ◆高效率之回圈热风回收再利用设计，省电、耐用，可同时乾燥多种塑胶，节省能源。
- ◆可调式空气阀门设计，入风口，排风口均采用可调式设计，可方便调节风量。
- ◆可调式超温保护器, 避免超温乾燥。
- ◆具有超温过载等安全保护装置。
- ◆配备警示灯，可立即反应故障。
- ◆马达过载保护及故障指示, 方便维护保养。
- ◆活动式台车设计，方便移动。
- ◆配有24小时定时装置，可预先设定任何时间，予以乾燥，操作方便。

Features

- ◆To adapt P.I.D temperature control system for achieving an even dry effect.
- ◆Air-proofed insulated door can keep temperature constantly inside to reduce energy consumption.
- ◆Stainless Steel tray can ensure material free from contamination.
- ◆High efficient return air recycling for significant power saving and can simultaneously dry various materials.
- ◆Adjustable air inlet and outlet design, easy for adjust air capacities.
- ◆Adjustable overheat protector can prevent excessive drying.
- ◆Safety device with overheat and overload protection.
- ◆Alarm lamp is fitted for indicating malfunction immediately.
- ◆Motor overload protection and malfunction indication, easy maintenance.
- ◆Caster wheels design for easy moving.

规格表

Specification Sheet

型号 Model		TCD-5	TCD-9	TCD-20
内部尺寸 Inside Dimensions HxWxD	m	0.5*0.6*0.55	0.9*0.6*0.55	2.5*1.5*1.4
外部尺寸 Outside Dimensions HxWxL	m	1.1*0.62*0.8	1.5*0.62*0.8	1.44*1.58*2.54
电热功率 Heater Power	kw	4	4	6
风轮马达功率 Blower	kw	0.37	0.37	1
温控范围 Temperature Range	℃	Up to 250℃		
盘架数 Num. of Trays		5	9	20
装料量 Capacity	kg	45	81	180
重量 Weight	kg	110	140	400
电源 Voltage	V	380VAC 3P/PE 50Hz		

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TDH Series Honeycomb Rotor Dehumidifiers

蜂巢式单机除湿机TDH系列



主要与热风式干燥机搭配，专门对吸湿性较强的工程塑料(如：Nylon，PC，PBT，PET等)进行高效率的除湿干燥作业，该系列采用高效能转轮，在理想状态下，能确保-40℃露点的稳定除湿效果。干燥风量50~3000 m³/hr。

Honeycomb Rotor Dehumidifier are mainly to work with hopper dryers together which are specialized for drying engineering plastics to contain high hygroscopicity such as Nylon, PC, PBT, PET etc. It adapts high efficiency rotor which can ensure dew-point at -40℃ with stable dehumidifying effect. The drying air flow ranges from 50~3000 m³/hr.

特点

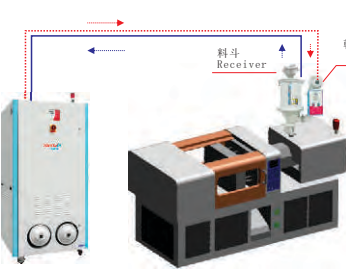
- ◆ 采用PID温度控制系统，可精准控制再生温度，确保露点的稳定性。
- ◆ 采用双冷却器结构，确保更低回风温度及露点。
- ◆ 内部装有回风过滤器，确保蜂巢转轮不受原料粉尘污染。
- ◆ 采用进口蜂巢状除湿转轮，为干燥机提供露点-40以下的成型条件。
- ◆ 采用矽胶吸附式蜂巢除湿，再生温度只需150℃，相对于分子筛结构需200℃以上的再生温度要节约能源。
- ◆ 采用国外高级进口零组件，提高性能及延长使用寿命，节省维修成本。
- ◆ 外型粉体烤漆，美观大方。
- ◆ 结构简单紧凑，机器占地小，节省空间，移动方便，可任意更换机台使用，设计人性化方便保养维修。

Features

- ◆ To adopt P.I.D temperature controller to accurately control regenerative temperature to ensure dew-point stable.
- ◆ To employ double coolers for ensuring lower return air temperature and dew-point value.
- ◆ Return air filter is installed inside to ensure no powder & dust contamination to the honeycomb rotor.
- ◆ To adopt imported honeycomb rotor for providing molding condition with dew-point -40℃ & even below for hopper dryer.
- ◆ To adopt silica gel absorption honeycomb with low regenerative temperature at 150℃ which can save more power if compare with molecular sieve structure with regenerative temperature at 200℃ above.
- ◆ Using imported superb parts which enhance function and extend service life for saving maintenance cost.
- ◆ Powder coated frame of machine with exquisite appearance.
- ◆ Compact construction; small footprint to save space ; move conveniently for any machines use ; optimum design for easy

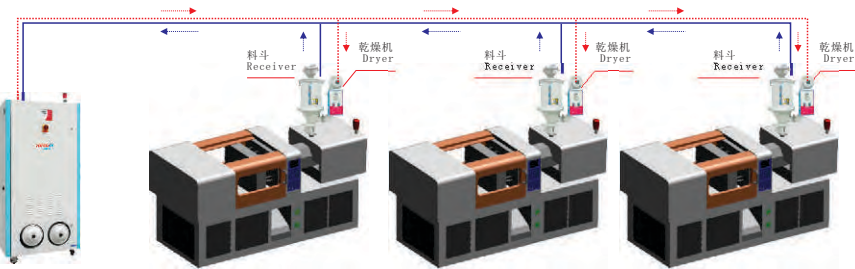
一对一除湿系统

One to One Dehumidifying System



一对多除湿系统

One to Multiple Dehumidifying System



规格表 Specification Sheet

产品型号 Model		TDH-50	TDH-80	TDH-120	TDH-150	TDH-200	TDH-300	TDH-400	TDH-500	TDH-700	TDH-1000	TDH-1500	TDH-2000	TDH-3000	
除湿风量 Dehumidifying Air Capacity	CMH	50	80	120	150	200	300	400	500	700	1000	1500	2000	3000	
除湿马达 Dehumidifying Motor	KW	0.37	0.75	1.1	1.5	2.2	4	5.5	7.5	3.7	9	18	26	39	
再生马达 Regen. Motor	KW	0.18	0.25	0.37	0.37	0.55	0.75	0.75	1.5	1.5	2.4	3.4	5.5	7.5	
再生电热 Regen. Heater	KW	2	3	4	4	6	8	8	10	12	15	20	20	30	
除湿口径 Pipe Size	inch	2	2	2	2.5	2.5	3	3	4	5	6.5	6.5	6.5	6.5	
转轮马达功率 Rotor Motor Capacity	W	15					40		60	60	80		120		
系统电源 Power Supply	V	380VAC 3P/PE 50Hz													
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz													
总功率 Total Power	KW	2.7	4.2	5.6	6	10	13	14.5	20	18	26.5	41.5	51.6	76.7	
电源线规格 Wires Specifications	mm²	4x2.5	4x2.5	4x4	4x4	4x4	4x6		3x10+1X6	4x10	4x10	4x16	4x25	4x35	
电源线长度 Wires Length	M	5													
外观尺寸 Dimensions	L(m)	0.74	0.79	0.79	0.883	0.883	1.02	1.02	1.37	1.37	1.55	1.91	2.15	2.16	
	W(m)	0.632	0.72	0.72	0.8	0.8	0.935	0.935	1.3	1.3	1.3	1.3	1.41	1.6	
	H(m)	1.33	1.48	1.48	1.7	1.7	2	2	2.25	2.25	2.145	2.145	2.06	2.5	
冷却水流量 Cooling Water Flow	GPM	1.5			3		9					15		25	
冷却水接管 Cooling Water Pipe Size	inch	3/4						1					1.5		
机器重量 Weight	KG	150	200	220	260	280	320	330	420	445	470	600	710	900	
选配Option		露点显示 Dew-point Indicators													

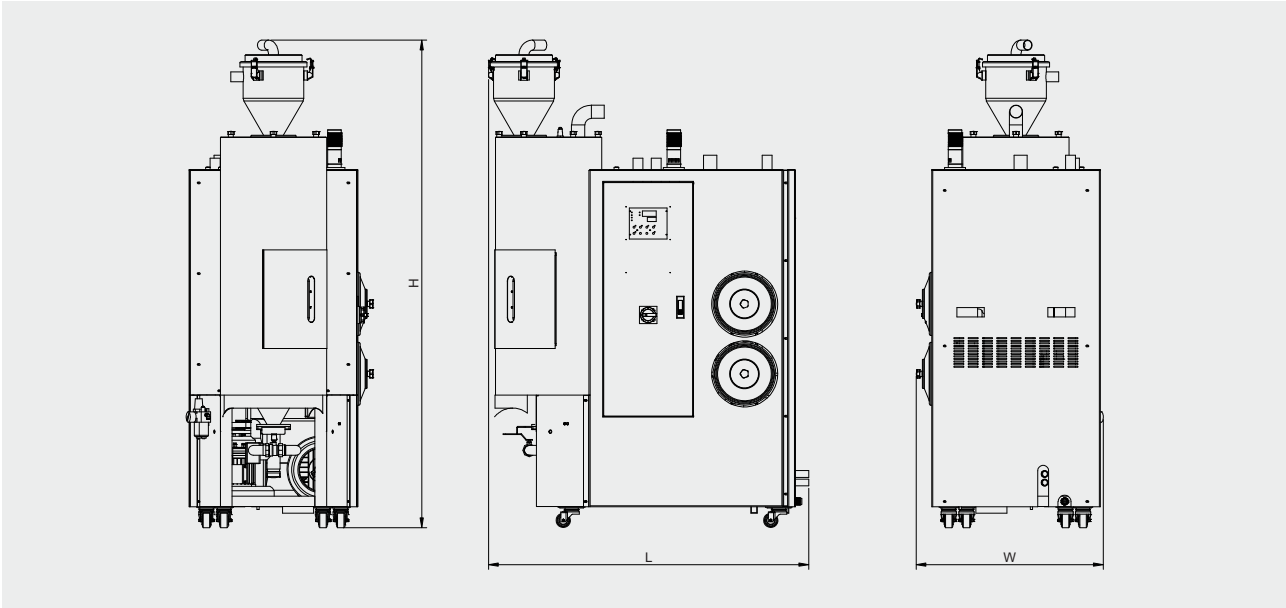
乾燥能力 Drying Capacities

原料 Material	乾燥温度 Drying(1) Temperature (°C)	乾燥时间 Drying(2) Time (hr)	比热 Specific Heat	原料比重 Specific Gravity (Kg/dm3)	乾燥能力/Drying Capacities(kg/hr)												
					TDH-50	TDH-80	TDH-120	TDH-150	TDH-200	TDH-300	TDH-400	TDH-500	TDH-700	TDH-1000	TDH-1500	TDH-2000	TDH-3000
ABS	80	2-3	0.34	0.6	18	27	35	71	105	180	210	285	355	425	710	1065	1500
CA	75	2-3	0.5	0.5	15	22	30	60	90	150	180	235	295	355	590	885	1200
CAB	75	2-3	0.5	0.5	15	22	30	60	90	150	180	235	295	355	590	885	1200
CP	75	2-3	0.6	0.6	18	27	35	71	106	180	210	285	355	425	710	1060	1500
LCP	150	4	0.6	0.6	13	20	27	55	80	135	160	210	265	320	530	800	1150
POM	100	2	0.35	0.6	27	40	53	105	160	265	320	425	530	640	1060	1600	2400
PMMA	80	3	0.35	0.65	19	29	38	77	115	192	230	307	383	460	767	1150	1530
IONOMER	190	3-4	0.55	0.5	11	17	22	44	66	111	133	177	220	265	442	663	1000
PA6.6/6.10	75	4-6	0.4	0.65	10	14	19	38	58	96	115	153	192	230	383	575	960
PA11	75	4-5	0.58	0.65	12	17	23	46	69	115	138	184	230	275	460	690	1000
PA12	75	4-5	0.28	0.65	12	17	23	46	69	115	138	184	230	275	460	690	1000
PC	120	2-3	0.28	0.7	21	31	41	83	124	206	250	330	413	495	826	1238	2000
PU	90	2-3	0.45	0.65	19	29	38	77	115	190	230	307	383	460	767	1150	1530
PBT	130	3-4	0.3-0.5	0.7	15	23	31	62	93	155	186	248	310	372	620	930	1103
PE	90	1	0.55	0.6	53	80	106	212	318	531	637	850	1062	1275	2125	3185	4000
PEI	150	3-4	0.6	0.6	13	20	27	53	80	133	160	212	265	320	630	800	1200
PET	160	4-6	0.3-0.5	0.85	13	19	25	50	75	125	150	200	250	300	500	750	1150
PETG	70	3-4	0.6	0.6	13	20	27	53	80	133	160	212	265	320	530	800	1200
PEN	170	5	0.85	0.85	15	23	30	60	90	150	180	240	300	360	600	900	1300
PES	150	4	0.7	0.7	15	23	30	60	90	150	180	240	300	360	600	900	1300
PMMA	80	3	0.65	0.65	19	29	38	77	115	190	230	230	385	460	765	1150	1530
PPO	110	1-2	0.4	0.5	22	33	44	88	133	220	265	355	440	430	885	1330	1730
PPS	150	3-4	0.6	0.6	13	20	27	53	80	133	160	212	265	320	530	800	1200
PI	120	2	0.27	0.6	27	40	53	105	160	265	320	425	530	640	1060	1600	2400
PP	90	1	0.46	0.5	44	66	88	180	265	442	530	710	885	1060	1770	2655	3500
PS(GP)	80	1	0.28	0.5	44	66	88	180	265	442	531	708	885	1062	1770	2655	3500
PSU	120	3-4	0.31	0.65	14	22	29	60	85	145	173	230	290	345	575	865	1300
PVC	70	1-2	0.2	0.5	22	33	44	90	135	220	265	355	442	530	885	1330	1730
SAN(AS)	80	1-2	0.32	0.5	22	33	44	90	135	220	265	355	442	530	885	1330	1730
TPE	110	3	0.7	0.7	20	30	40	85	125	205	250	330	413	495	826	1238	1650

备注：(1)使用独立的乾燥料斗；(2)在20℃的大气温度及65%的相对湿度下，乾燥后其水份含量低于0.05%。
Remark：(1)In an independent drying hopper; (2)Base on relative humidity 65% with ambient temperature of 20℃, moisture content after drying can be 0.05% or less.

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

产品结构图
Product Structure Diagram



规格表
Specification Sheet

产品型号 Model		TCDH-515	TCDH-530	TCDH-550	TCDH-575	TCDH-8100	TCDH-12100	TCDH-12150	TCDH-20200	TCDH-20300	TCDH-30400	TCDH-40500	TCDH-50600	TCDH-70800
料桶容量 Hopper Capacity	KG	15	30	50	75	100	125	150	200	300	400	500	600	800
除湿机风量 Dehumidifying Air Capacity	CMH	50	50	50	50	80	120	120	200	200	300	400	500	700
乾燥电热功率 Drying Heater Capacity	KW	3	3	4.0	4.0	6.0	6.0	9.0	12	15	18	18	21	24
乾燥风机功率 Drying Blower Capacity	KW	0.37	0.37	0.37	0.37	0.75	1.1	1.1	2.2	2.2	3.8	5.5	5.5	7.5
再生电热功率 Regen. Heater Capacity	KW	2.0	2.0	2.0	2.0	3.0	4.0	4.0	6.0	6.0	8.0	6.0	8.0	10.0
再生风机功率 Regen. Blower Capacity	KW	0.18	0.18	0.18	0.18	0.25	0.37	0.37	0.55	0.55	0.75	0.75	1.1	1.5
输送风机功率 Conveying Blower Capacity	KW	0.75	0.75	0.75	0.75	1.1	1.1	1.1	1.5	1.5	1.5	1.1	1.5	1.5
露点 Dew Point	℃	-40以下 Below -40												
系统电源 Power Supply	V	380VAC 3P/PE 50Hz												
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz												
总功率 Total Power	KW	6.5	6.5	7.5	7.5	11.3	13	16	22.5	25.5	32.5	30	38	45
电源线规格 Wires Specifications	mm ²	4x2.5	4x4			4x4	4x6	4x6	4x10	4x10	4x16		4x25	
电源线长度 Wires Length	M	5												
外观尺寸 Dimensions	L(m)	1.11	1.11	1.174	1.25	1.25	1.25	1.46	1.53	1.94	2.03	1.93	1.93	2
	W(m)	0.84	0.84	0.93	0.97	0.97	1.25	1.0	1	1	1.12	1.1	1.1	1.2
	H(m)	1.599	1.8	1.925	2.105	2.29	2.29	2.48	2.48	2.85	2.85	2.85	0.29	3.1
料管口径 Material Pipe Size	inch	1.5												
料斗（成型机上） Hopper Receiver		SR3E-40					SR6E-40							
机器重量 Weight	KG	55	75	80	85	118	125	155	358	461	500	550	640	700
选配Option		1. 露点显示 Dew-point Indicators 2. 旋风分离器 Cyclone Separator 3. 高温 High Temperature（150℃～180℃）												

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TCDE Series 3 in 1 Heatless Dehumidifying Dryers-Energy saving type

节能型三机一体除湿干燥机TCDE系列

节能型三机一体的设计系统更为简化，不仅减少系统之耗电量，功效高，超节能省电高达60%，且体积小，不占空间，特别适用于无尘车间。不需接冷却水，故移动方便。构造简单，机器信赖度高。全机采用微电脑控制，操作简单，性能稳定，能耗更低，乾燥风量30~200 m³/hr。此外也针对光学级产品之生产制造而设计光学级节能型三机一体除湿干燥机，以满足客户不同之需求。

The energy saving type simplifies the design of system which reduces power consumption, high efficiency, ultra energy saving up to 60%. The design of machine appearance is compact to save space, ideal to high demands on limited space of clean workshop. It can move everywhere conveniently thanks to no requirement of cooling water for machines. The mechanical construction is simple to enhance machine reliable. The series design particularly for optic products. It adapts PLC controller with the superior features on easy operation, stable function, low power consumption. The drying air flow ranges from 30~200 m³/hr. In addition, we design optic class 3 in 1 compact heatless dehumidifying dryers (energy saving type) for optic products to satisfy with customers' various demands.

特点

- ◆集除湿、乾燥、二段送料三种功能于一体，并可选择三段送料功能。
- ◆稳定供应-40露点的除湿空气大幅度提高产品品质。
- ◆耗电低、功效高。（每小时耗电量0.6度，传统型耗电2.5度）
- ◆双层保温乾燥料桶采用下吹式风管设计，防止热能流失，提高乾燥效率。
- ◆全不锈钢上、下送料系统，避免原料污染。
- ◆封闭式循环除湿气及运料系统，可避免乾燥后的原料因接触外界空气而再度回潮。
- ◆采用无触点固态继电器控制加热。（选配）
- ◆故障智能警报，时间智能预约。
- ◆光学级除粉式三机一体专用于无尘或净化车间。
- ◆多重保护装置。
- ◆采用国外高级进口零组件，提高性能及延长使用寿命，节省维修成本。
- ◆外型粉体烤漆，美观大方。
- ◆结构简单紧凑，机器占地小，节省空间，移动方便，可任意更换机台使用，
- ◆设计人性化方便保养维修。

Features

- ◆To integrate the function of dehumidifying , drying and two-stage conveying into single unit. Three- stage conveying function is optional.
- ◆To improve the quality of finished products greatly thanks to supply stable dehumidified at - 40 dew-point.
- ◆Low power consumption , high efficiency (power consumption for energy saving type with reading 0.6 kW.h while conventional type with reading2.5 kW.h)
- ◆Double- wall insulated hopper dryers features down-blowing pipe design to avoid heat dispersion for improving drying efficiency.
- ◆Feeding system is made of stainless steel to eliminate material contamination.
- ◆Closed-loop circulation for dehumidified air & feeding system to avoid the possibility of moisture regain for absorbing outside air during material conveying.
- ◆To adopt electromagnetic contactless relay control heating. (option)
- ◆Intelligent microprocessor control for faulty alarm & pre-heating setting.
- ◆Optical - class powder- removing models are suitable for clean workshop.
- ◆Multiple safety protection device
- ◆Using imported superb parts which enhance function and extend service life for saving maintenance cost.
- ◆Powder coated frame of machine with exquisite appearance.
- ◆Compact construction; small footprint to save space ; move conveniently for any machines use ;

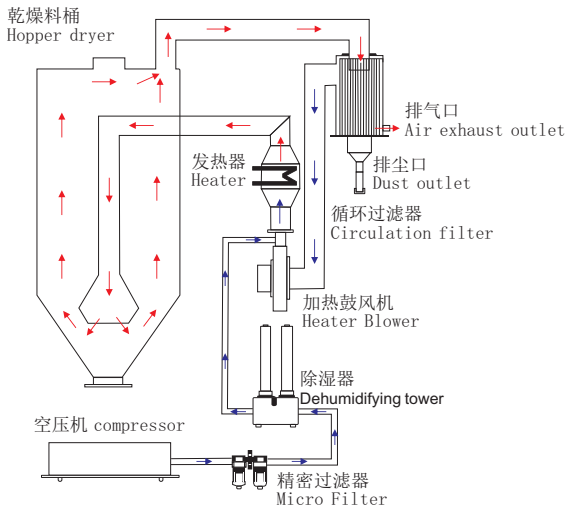


乾燥程式

- ◆在变缸除湿塔内急速降压的同时, 就能获得-40的露点除湿气。
- ◆除水除油筛检程式将车间送来的压缩空气中的水份及油份过滤清洁, 再送到除湿塔。
- ◆把-40至-50露点除湿气（单向输送）不停的送到密封式真空除湿料桶, 将料桶内所有原材料的湿气吸干。
- ◆该系统是单向送气, 无须使用再生除湿气。

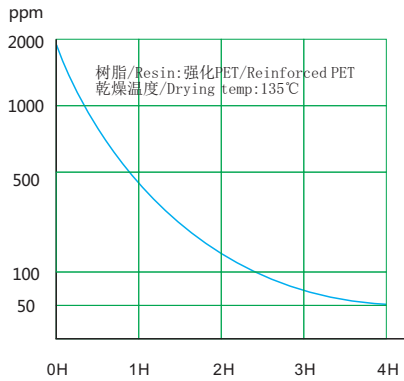
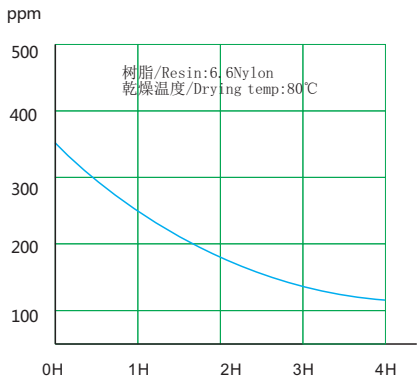
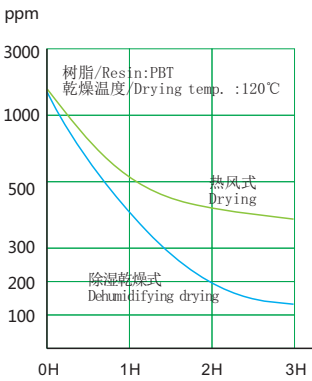
Drying Procedure

- ◆Low dew point - 40 of dehumidified air will be obtained simultaneously by reducing pressure rapidly in the dehumidifying tower.
- ◆Excessive oil and water content from compressed air supply of workshop will be filtered before sending to dehumidifying tower.
- ◆-40 ~ -50 dew point of dehumidified air will be continuously delivered to close hopper dryer until moisture expelled to dried.
- ◆Air was delivered in one way direction under the system which no required



工程塑料乾燥曲线图

Engineering Plastic Drying Curve Chart

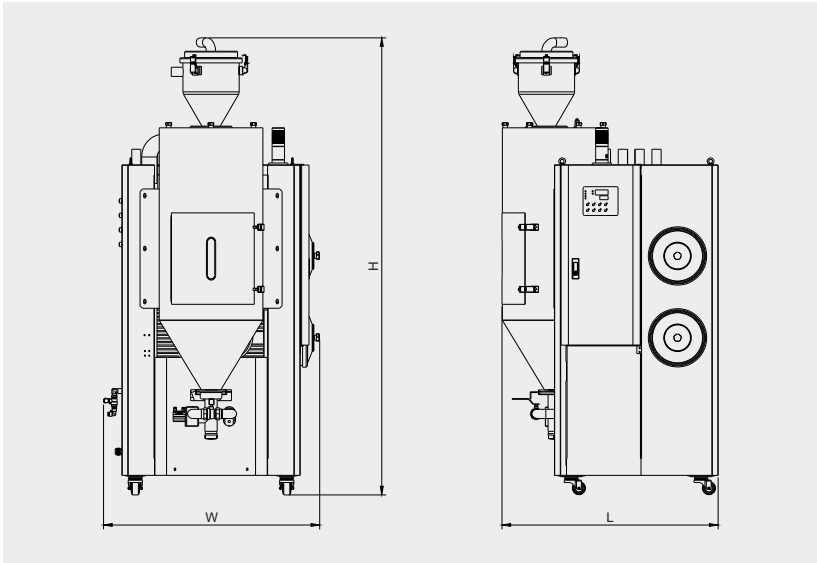


选择加装配件
Options



旋风分离器图
Cyclone Separator

产品结构图
Product Structure Diagram



规格表 Specification Sheet

产品型号 Model		TCDE-15	TCDE-25	TCDE-50	TCDE-75	TCDE-100	TCDE-150	TCDE-200	TCDE-300	TCDE-400
料桶容量 Hopper Capacity	KG	15	25	50	75	100	150	200	300	400
乾燥电热功率 Drying Heater Capacity	KW	3	3	4	4	6	9	12	15	18
乾燥风机功率 Drying Blower Capacity	KW	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0
输送风机功率 Conveying Blower Capacity	KW	0.75	0.75	0.75	0.75	1.1	1.1	1.1	1.5	1.5
处理风量 Air Capacity	L/min	50	65	70	82	120	155	195	305	410
系统电源 Power Supply	V	380VAC 3P/PE 50Hz								
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz								
总功率 Total Power	KW	4.5	4.6	5.5	6	7.5	11.5	15	19	22.7
电源线规格 Wires Specifications	mm²	4x2.5	4x2.5	4x4.0	4x4.0	4x4.0	4x4.0	4x6.0	4x10	
电源线长度 Wires Length	M	5								
外 观 尺 寸 Dimensions	L(m)	0.82	0.82	0.9	0.94	1.05	1.26	1.29	1.69	1.75
	W(m)	0.76	0.76	0.83	0.86	0.9	0.93	0.93	1.036	1.12
	H(m)	1.6	1.8	1.9	2.06	2.18	2.3	2.39	2.85	2.81
露点 Dew point	℃	-40以下 Below -40								
料管口径 Material Pipe Size	inch	1.5								
料斗(成型机上) Hopper Receiver		SR-3E					SR-6E			
机 器 重 量 Weight	KG	159	160	182	205	217	316	332	400	430
选配Option		1. 露点显示 Dew-point Indicators		2. 旋风分离器 Cyclone Separator			3. 高温 High Temperature (150℃～180℃)			

注: 产品规格若有变更, 恕不另行通知 We reserve right to change specifications without prior notice.

乾燥能力 Drying Capacities

原料 Material	乾燥温度 Drying (1) Temperature (℃)	乾燥时间 Drying (2) Time (hr)	乾燥能力/Drying Capacities								
			TCDE-15	TCDE-25	TCDE-50	TCDE-75	TCDE-100	TCDE-150	TCDE-200	TCDE-300	TCDE-400
ABS	80℃	3-4 h	3.5	5	10	18	25	38	50	76	100
POM	100℃	2 h	7.5	13	25	30	50	75	100	150	200
PMMA	80℃	2-3 h	7.5	12.5	17	22.5	35	46.5	58.5	100	133
LONOMER	90℃	4-5 h	3.2	5	10.5	12.5	20	25	36.5	60	80
Pa6	75℃	4-6 h	3	4.5	9	10	17	25	34	50	68
Pa6.6	75℃	4-6 h	3	4.5	9	10	17	25	34	50	68
Pa6.10	75℃	4-6 h	3	4.5	9	11	17	25	34	50	68
PC	120℃	3-4 h	6	7.5	13	16.5	25	38	50	76	100
PU	90℃	2-3 h	7.5	12.5	17	22.5	35	46.5	58.5	100	133
PBT	130℃	3-4 h	6	8	13	17	24	36	48	72	76
PE	90℃	1 h	15	25	50	70	100	150	200	300	400
PET	160℃	4-6 h	5.5	7	9	12	17	25	34	50	68
PETG	70℃	3-4 h	6	7.5	13	16.5	25	38	50	72	100
PPO	110℃	2 h	10	15	25	37.5	50	75	100	150	200
PP	90℃	1 h	15	25	50	70	100	150	200	300	400
PD(GP)	80℃	1 h	15	25	50	70	100	150	200	300	400
PSU	120℃	3-4 h	5	7	13	17	27	36	50	72	100
PVC	70℃	1 h	15	25	50	70	100	150	200	300	400
SAN(AS)	80℃	2 h	10	15	25	37.5	50	75	100	150	200

Application Case of 3 in 1 compact dehumidifying dryers

客户案例：三机一体应用实例

拓斯达三机一体广泛应用于手机外壳/电脑连接器等精密注塑行业。

3 in 1 compact dehumidifying dryers of TOPSTAR has been widely applied in precision injection molding industries like mobile phone shell/computer connector.



拓斯达三机一体在光学产业界具有卓越表现。

3 in 1 compact dehumidifying dryers of TOPSTAR perform superior in the optical industry.

对于CD-R/DCD-R及光学产业成型工艺，我们可提供除粉型吸料机，以分离原料中的粉末并加以捕集。
As for CD-R/DCD-R and optical industry molding process, we can provide powder-removing autoloader to separate and collect the powders from the raw materials.

TAL Series Single Autoloaders

直接式吸料机TAL系列

直接式普通型吸料机，直接式不锈钢吸料机，直接式感应型吸料机
Single Autoloaders, Stainless Single Autoloaders, Single Induction Autoloaders

采用碳刷式高速整流马达，具有重量轻，体积小，吸力强及安装简易之特点，可直接安装在干燥机，或注塑机上，安装方便，节省空间。输送能力最高可达每小时250公斤。

Single Autoloaders adapt carbon brush high-speed rectificative motors. All these models also feature light weight, small footprint, great suction power, easy installation and operation. It can be mounted onto hopper dryers or plastic molding machines directly which not only install easily but also save space. The maximum conveying capacity can achieve at 250kgs/ hr.



特点

- ◆采用全不锈钢材质结构，确保原料不受污染。
- ◆马达保护装置，可增长其使用寿命。
- ◆采用不织布滤网配合不锈钢网过滤粉尘，具有马达逆转除尘功能。
- ◆采用不锈钢落料挡板，不需随不同原料而调整。
- ◆自动喷洗功能。
- ◆装配对射式光电开关，适于直接安装成型机入料口；装配进接开关，适于直接安装成型机料斗上。
- ◆采用玻璃料管搭配静电电容感测器设计，可精确侦测原料输送。
- ◆缺料自动报警。
- ◆不锈钢型与感应型法兰座底与料斗是用卡箍锁住，便于拆卸和客户的要求。

容易维护 / 快速清洁

TAL系列吸料机主要用于将流动性强的新料（主料）或次料直接快速输送到注塑机上，可掀式的真空马达上盖能保证清洗快速维护简便。
单相真空马达在设定的吸料时间产生真空气流把塑胶颗粒通过吸料管输送到吸料门内，之后原料直接落入到注塑机储料门内，这种吸料动作会持续进行直到注塑机储料门和吸料机料门显示满料为止。

稳定可靠的性能

吸料机的吸料时间、吸料动作以及吸料模式的选择的数位设定和显示都是通过微电脑处理器控制。具有故障自检与警报功能。所有型号的设备都是使用优质不锈钢材料，按照严格的工业标准制造，具有稳定可靠的性能。

Features

- ◆Stainless steel construction for ensuring material free from contamination.
- ◆Motor overload protection device ensures its long service life.
- ◆The adoption of Cloth mesh filter and stainless screener for double filtration protection to filter dust and motor reverse cleaning function.
- ◆Mechanical stainless flap is fitted which don't need to be adjusted according to different material.
- ◆Auto - cleaning function.
- ◆Autoloaders equip with photo sensors which are mounted onto the feeding port of injection molding machines; autoloaders equip with proximity switch which are mounted onto the hopper dryers.
- ◆To adopt glass tube with photo sensor (static capacity detection) for precisely detect material conveying.

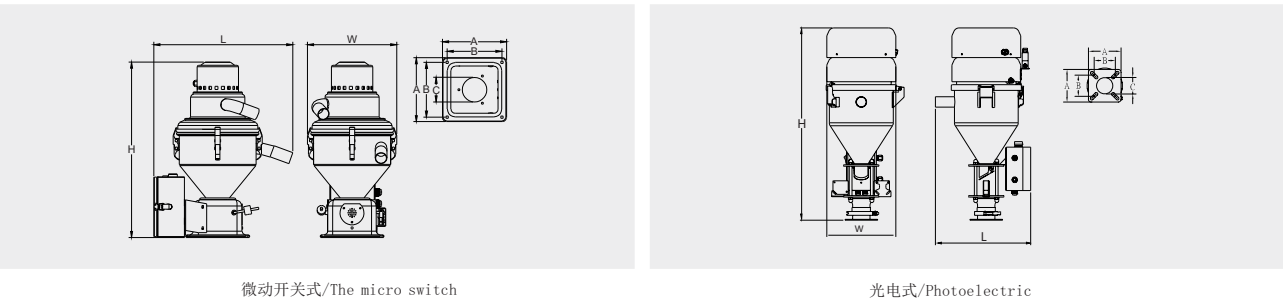
Easy Maintenance / Quick Cleanup

TAL series stainless steel (corrosion free) single hopper loader is designed to provide rapid transportation of free-flowing for virgin resin or regrind resin directly to injection molding machine. The design of hinged upper cover of vacuum motor ensures quick cleanup time and easy maintenance.
The single-phase vacuum suction motor creates a flow of air which carries the plastic granules into the hopper through the material conveying hose during setting suction time. The granules are then discharged directly into the processing machine hopper. This cycle is repeated until both the machine hopper and hopper loader are full.

Reliable Performance

The setting and displaying for loading time, loading function, and mode selection digitally are controlled by microprocessor. Fault diagnosis & alarm are provided as standard features of the control. All models are built by the highest quality with stainless steel for providing consistent, reliable performance.

产品结构图 Product Structure Diagram



规格表 Specification Sheet

产品型号 Model		TAL-6E	TAL-6		TAL-6 I	
料斗容量 Hopper Capacity	L	6	6		6	
输送能力 Conveying Capacity	kg/h	200	300		400	
风机功率 Blower Capacity	W	1100			750	
感应类型 Sensor Type		光电式 Photoelectric	进接式 Proximate		微动开式 The micro switch	
系统电源 Power supply	V	220VAC 1P/PE 50Hz			380VAC 3P/PE 50Hz	
料管口径 Hose Size	mm	38.1 (1.5")				
过滤类型 Filter Type		不锈钢滤网加布织布 Filter Netting & Cloth Filter				
总功率 Total Power	W	1450	1450		800	
外观尺寸 Dimensions	L(m)	0.411	0.454		0.56	
	W(m)	0.291	0.291		0.32	
	H(m)	0.707	0.568		0.68	
固定尺寸 Size	A(m)	/	0.21		0.21	
	B(m)	/	0.18		0.18	
	C(m)	/	0.081		0.081	
标配件 Standard Accessories		吸料管Suction Tube+PPC钢丝软管Hose				
机器重量 Weight	kg	17	19			

产品型号 Model		TAL-3SE	TAL-6SE	TAL-3S	TAL-6S	TAL-12S
料斗容量 Hopper Capacity	L	3	6	3	6	12
输送能力 Conveying Capacity	kg/h	70	140	70	140	200
风机功率 Blower Capacity	W	1100				
感应类型 Sensor Type		光电式 Photoelectric		近接式 Proximate		
系统电源 Power supply	V	220VAC 1P/PE 50Hz				
料管口径 Hose Size	mm	38.1 (1.5")				
过滤类型 Filter Type		不锈钢滤网加布织布Filter Netting & Cloth Filter				
总功率 Total Power	W	1450				
外观尺寸 Dimensions	L(m)	0.34	0.36	0.32	0.37	0.37
	W(m)	0.24	0.29	0.3	0.35	0.35
	H(m)	0.63	0.71	0.47	0.56	0.69
固定尺寸 Size	A(m)	0.120*0.12	0.12*0.12	0.22	0.252	0.252
	B(m)	0.06	0.06	0.18	0.21	0.21
	C(m)	0.06	0.06	0.2	0.232	0.232
标配件 Standard Accessories		13	吸料管Suction Tube+PPC钢丝软管Hose			
机器重量 Weight	kg		15	12	15	16.5

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TAL Series Detachable Autoloaders

分离式吸料主机TAL系列

主机与料斗采用分离式的设计，可搭配2个以上的料斗，一对多输送，提高了原料输送能力，原料输送能力达每小时700公斤。最高扬程可达10米，适用于长距离原料输送，操作容易，可满足客户的需求。

The main controllers and material hopper receivers are designed separately for safety & convenient purpose which can match 2 or above 2 hopper receivers to achieve one to multi combination conveying. It enhances material conveying capacities greatly up to 700kgs/hr.The maximum loading distance is 10m. All models are suitable for conveying materials over long distance and easy operations which are satisfied with customers' various requirements.



特点

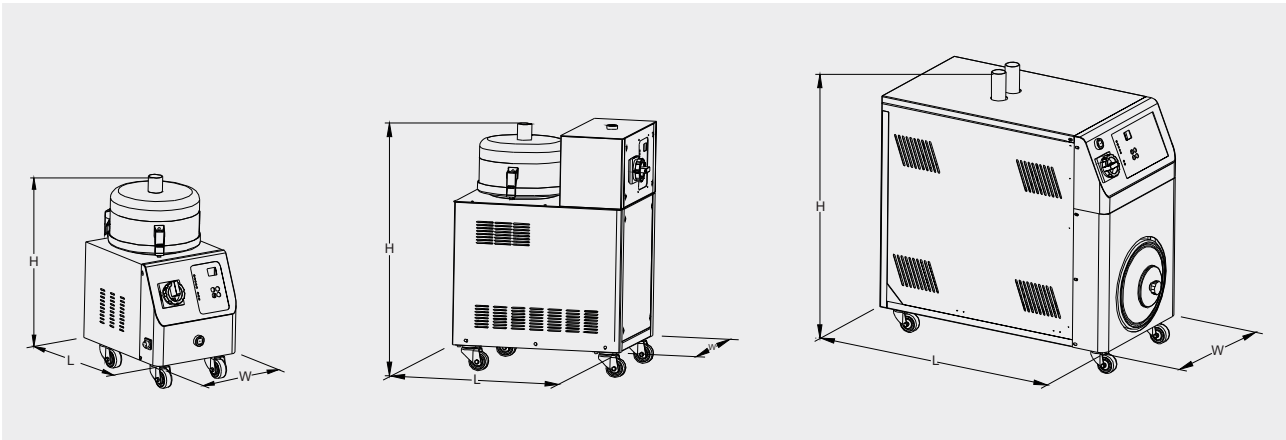
- ◆主机与料斗分离设计，安全简便，可满足客户的远距离的输料要求。
- ◆微电脑控制，操作简易，控制精确，有多项报警指示灯。
- ◆可根据不同需要选配不同料斗，提供多样式选择。
- ◆缺料警报，可主动通知客户进而排除状况。
- ◆马达保护装置，可增长其使用寿命。
- ◆独立滤清器装置，方便清除积尘。
- ◆可以选配旋风过滤器，减少滤清器清理次数，适用于粉碎料输送。
- ◆可选配两料比例阀，用于新料与粉碎料混合使用或粉碎料立即回收。

Features

- ◆The main controllers and material hopper receivers are designed separately for satisfying with customers' requirements on the long distance conveying material.
- ◆Microprocessor controls features with easy operation, accurate control and multiple alarm indicators.
- ◆Various hopper receivers are available for selection to meet different requirements.
- ◆Audible material shortage alarm for reminding customers in to solve faulty.
- ◆Motor overload protection device ensures its long service life.
- ◆Independent filter device is easy for cleaning.
- ◆Cyclone dust separator is available as option to reduce cleaning filter time which is specially suitable for regrind material conveying.

产品结构图

Product Structure Diagram

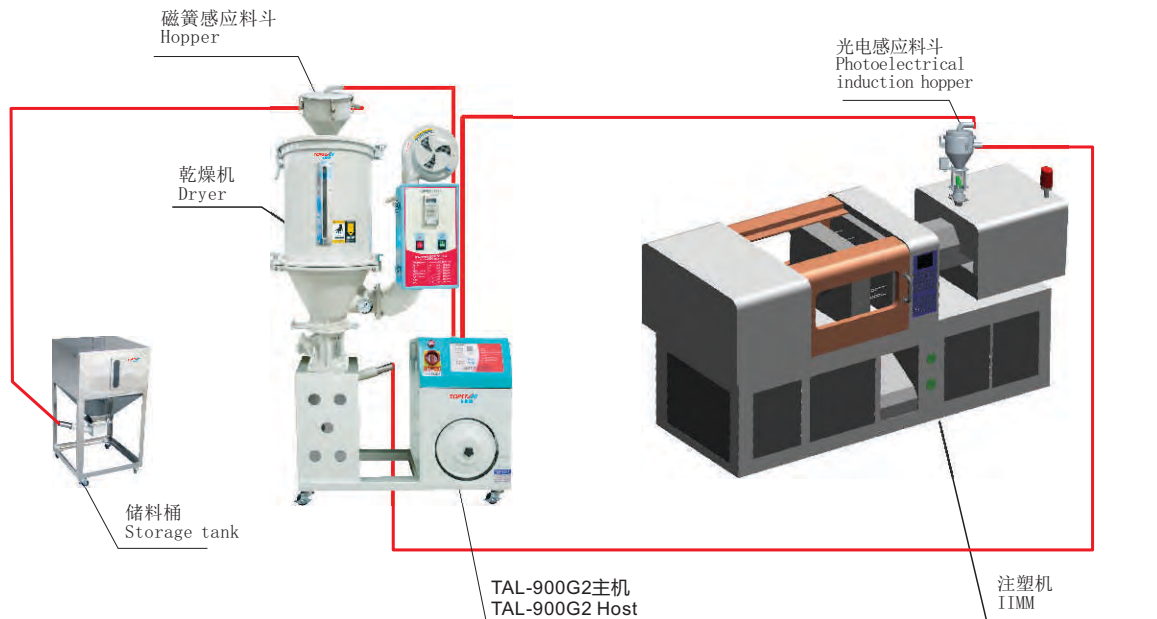


一对二吸料机特点

- ◆一机拖两机，节省设备配置，节约空间。
- ◆电脑控制操作方便安装、调试。
- ◆尤其适用于乾燥、供料二机一体，简化系统结构，提高使用效率，方便操作。
- ◆维修保养方便、快捷。

One to Two Autoloaders Features

- ◆One to two autoloaders can save equipment configuration and save space.
- ◆Microcomputer control operation, easy installs & adjusts.
- ◆Suitable for drying and feeding materials in one body, which can simple system structure, increasing productivity and convenient operate.



规格表

Specification Sheet

产品型号 Model		TAL-700G	TAL-810G	TAL-815G	TAL-820G	TAL-920G	TAL-915G	TAC-930G
风机形式 Motor Type		碳刷式 Carbon Brush	感应式 Induction	感应式 Induction	感应式 Induction	感应式 Induction	感应式 Induction	感应式 Induction
风机功率 Motor Capacity	KW	1.4	0.75	1.1	1.5	1.5	1.1	1.2
控制站次 Control Stations	站	1	1	1	1	2	2	2
输送能力 Conveying Ability	kg/h	300	500	600	700	700	600	800
进风口径 Air Inlet Size	mm	38.1 (1.5")						
过滤类型 Filter Type		纸制滤芯Paper Filter $\phi 188 \times \phi 115 \times 145$						
外观尺寸 Dimensions	L(m)	0.38	0.54	0.54	0.54	0.66	0.66	0.66
	W(m)	0.279	0.38	0.38	0.38	0.39	0.39	0.39
	H(m)	0.57	0.69	0.69	0.69	0.81	0.81	0.81
系统电源 Power Supply	V	220VAC 3P/PE 50Hz						
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz						
总功率 Total Power	KW	1.5	0.9	1.2	1.6	1.6	1.2	2.3
电源线规格 Wires Specifications	mm ²	3x1.5	4x1.5	4x1.5	4x1.5	4x2.5	4x2.5	4x2.5
电源线长度 Wires Length	m	5	5	5	5	5	5	5
可选料斗 Applicable Hopper Model		SR-3E SR-6E SR-12E SR-3 SR-6 SR-12 SR-24 ER-6 ER-6E						
机器重量 Weight	kg	30	45	51	56	60	55	65

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.



开放式分离吸料主机TAL系列
TAL Series Detachable Autoloaders (Open type)

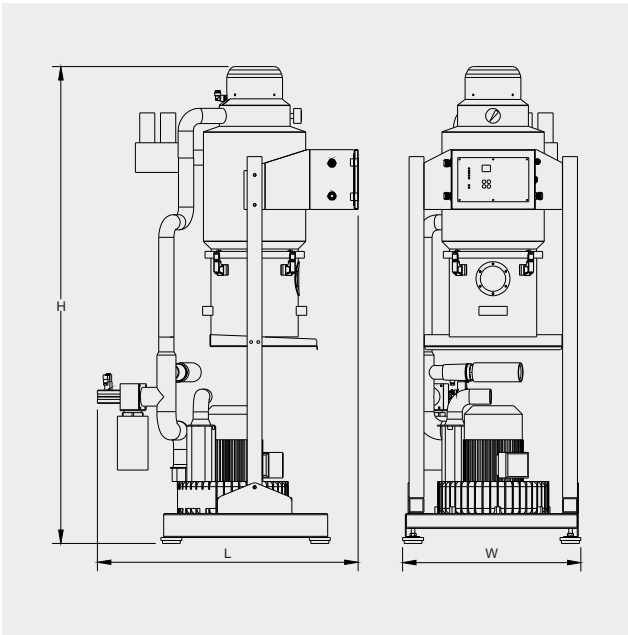
特点

- ◆微处理器记忆体使用EEPROM，切断电源后设定的资料永久保存。
- ◆采用欧化风格设计，不锈钢制造，不污染原料，美化大方。
- ◆采用下吸风式设计，过滤器下搭配旋风风挡板于分离集尘桶，可有效地减轻过滤器负荷。
- ◆分离式集尘桶，方便清除粉尘。
- ◆主机配备故障及马达过载指示灯，可及时报警。
- ◆采用欧规安全插头，使用时安全可靠。
- ◆可根据不同需要选配吸料机，提供多样性选择。
- ◆吸料机主机搭配单段或双段风机。

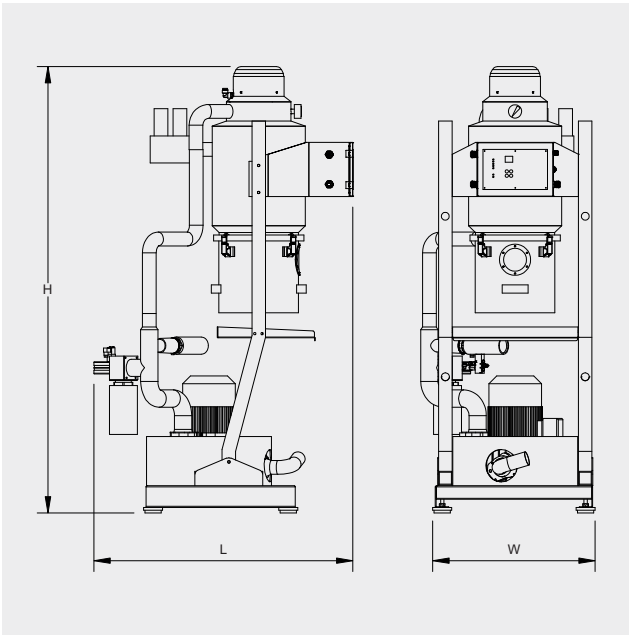
Features

- ◆Microprocessor use EPROM to back up data in case power failure and does not require back up battery.
- ◆Machines are designed with exquisite appearance and are made of stainless steel to ensure no material contamination.
- ◆It adapts down - suction design and use a cyclone dust separator and a dust collective bin together for reducing the load of filter effectively.
- ◆Separated dust collective bin is easy for cleaning dust.
- ◆To be equipped with warning lamp for alarming pump overload and other malfunctions immediately.
- ◆European plugs ensure reliable & safety operation.
- ◆Various autoloaders are available for selection to meet different

(单段) 产品结构图
(Single Stage) Product Structure Diagram



(双段) 产品结构图
(Double Stage) Product Structure Diagram



(单段) 规格表
(Single Stage) Specification Sheet

产品型号 Model		TAL-3HP-2	TAL-3HP2-2	TAL-3HP4-2	TAL-3HP6-1.5	TAL-4HP-2	TAL-4HP2-2	TAL-4HP4-2	TAL-4HP6-2	TAL-5HP-2	TAL-5HP2-2	TAL-5HP4-2	TAL-5HP6-2
风机形式 Motor Type		单段 Single Stage											
风机功率 Motor Capacity	KW	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0
进风口径 Air Inlet Size	mm	50.8(2.0")			38.1(2.5")			50.8(2.0")					
控制站次 Control Stations	站	1	2	4	6	1	2	4	6	1	2	4	6
输送能力 ConveyingAbility	kg/h	750				830				900			
外观尺寸 Dimensions	L(m)	0.56	0.56	0.69	0.69	0.56	0.69	0.69	0.69	0.56	0.56	0.59	0.59
	W(mm)	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
	H(m)	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
系统电源 Power Supply	V	380VAC 3P/PE 50HZ											
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz											
总功率 Total Power	KV	2.3	2.3	2.3	2.3	3.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1
电源线格 Wires Specifications	mm ²	4x2.5											
电源线度 Wires Length	m	5											
过滤类型 Filter Type		纸制滤芯											
中央集尘桶 Centralized Dust Collector	L	25 部分机型具备释压功能											
标准功能 Standard Functions		集尘功能DucCollectionFunctions 消音功能Silencing function											
机器重量 Weight	kg	130	130	130	130	144	144	144	144	148	148	148	148
可选料斗 Applicable Hopper Model		SR-3E SR-6E SR-12E SR-3 SR-6 SR-12 SR-24 ER-6 ER-6E CSR-3E CSR-6E CSR-12E CSR-3 CSR-6 CSR-12 CSR-24											

(双段) 规格表
(Double Stage) Specification Sheet

产品型号 Model		TAL-8HP-2	TAL-8HP4-2	TAL-10HP-2	TAL-8HP2-2	TAL-8HP-2.5	TAL-8HP2-2.5	TAL-8HP4-2.5	TAL-8HP6-2.5	TAL-10HP-2.5	TAL-10HP2-2.5	TAL-10HP4-2.5	TAL-10HP6-2.5	TAL-8HP6-2	TAL-10HP2-2	TAL-10HP4-2	TAL-10HP6-2
风机形式 Motor Type		双段 Double-stage															
风机功率 Motor Capacity	KW	6.3	6.3	7.5	6.3	6.3	6.3	6.3	6.3	7.5	7.5	7.5	7.5	6.3	7.5	7.5	6.3
进风口径 Air Inlet Size	mm	63.5(2.5")															
控制站次 Control Stations	站	1	4	1	2	1	2	4	6	1	2	4	6	6	2	4	6
输送能力 Conveying Ability	kg/h	1500				1800				2000				2500			
外观尺寸 Dimensions	L(m)	0.955	0.955	0.968	0.955	0.955	0.955	0.955	0.955	0.968	0.968	0.968	0.968	0.955	0.968	0.968	0.955
	W(m)	0.642	0.632	0.654	0.642	0.642	0.642	0.642	0.642	0.654	0.654	0.654	0.654	0.642	0.654	0.654	0.642
	H(m)	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644	1.644
系统电源 Power Supply	V	380VAC 3P/PE 50HZ															
控制电源 Control Voltage	V	220VAC 1P/PE 50Hz															
总功率 Total Power	KV	6.4	5.6	7.6	6.4	6.4	6.4	6.4	6.4	7.6	7.6	7.6	7.6	6.4	7.6	7.6	6.4
电源线格 Wires Specifications	mm ²	4×4												4×6			
电源线度 Wires Length	m	6															
过滤类型 Filter Type		布袋过滤 Cloth Filter															
中央集尘桶 Centralized Dust Collector	L	50															
标准功能 Standard Functions		释压功能Pressure Relieve Functions				喷洗功能Spray Cleaning Functions				集尘功能Duct Collection Functions				消音功能Silencing function			
机器重量 Weight	kg	176	176	185	182	182	182	182	182	185	185	185	185	182	185	185	182
可选料斗 Applicable Hopper Model		SR-3E SR-6E SR-12E SR-3 SR-6 SR-12 SR-24 ER-6 ER-6E CSR-3E CSR-6E CSR-12E CSR-3 CSR-6 CSR-12 SR-24															

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

Hopper Receivers

料斗

料斗可控制吸料机之吸料动作顺畅。提供不同料斗系列-普通型料斗, 不锈钢料斗, 光学级料斗等供客户有多样性的选择。使用不锈钢材质, 确保原料不受污染, 搭配透明强化玻璃设计, 容易监看料位情况, 特别适用于光学级产品所使用。可直接安装在注塑机上或配合吸料机使用, 清料, 换料等工作更为得心应手。主要分为:

普通型料斗ER系列、沸腾式不锈钢料斗FSR系列、不锈钢料斗SR系列、中央式不锈钢料斗规格表CSR系列。

Hopper Receivers are fitted with sensors to control materials suction smoothly. Diverse Hopper Receivers – standard type, stainless type and for optics type are provided according to customers' various requirements. Stainless hopper receivers ensure no contamination to raw materials and they are equipped with see-through window to monitor materials levels which are especially suitable for application of optics. They can be mounted onto plastic injection molding machines directly or to work with separated autoloaders and give more convenient on cleaning or changing materials. Including :

ER Series Standard Hopper Receivers、FSR Series Optics Stainless Steel Hopper Receivers、SR Series Stainless Steel Hopper Receivers、CSR Series Central Stainless Steel Hopper Receivers.



ER系列

FSR系列

SR系列

CSR系列

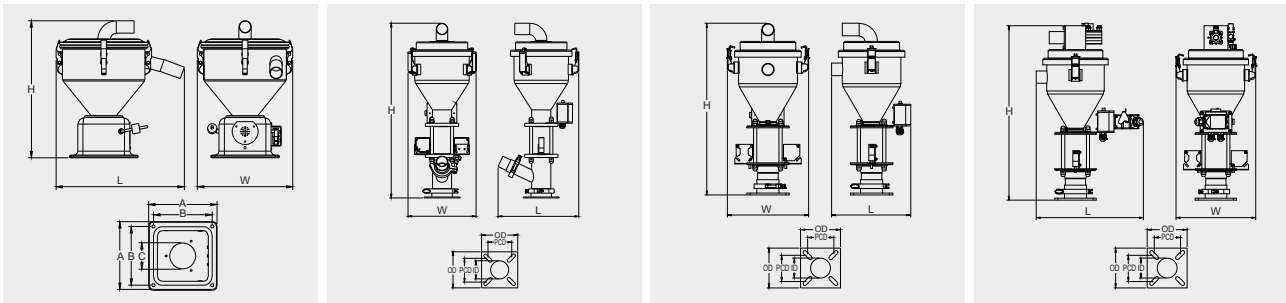
特点

- ◇ER/FSR系列接触原料部分采用不锈钢材质结构, SR/CSR系列采用全不锈钢材质结构, 确保原料不受污染, 用以提供分离式吸料机选用;
- ◇ER/SR/CSR系列采用不锈钢落料挡板, 不需随不同原料而调整;
- ◇FSR/SR/CSR系列法兰座底与料斗之间采用卡箍锁住, 便于拆卸;
- ◇CSR系列采用分离阀, 几台中央式吸料机共用一台马达适用中央供料系统;
- ◇FSR系列特别针对光学级产品设计, 减少粉末对产品影响, 提升产品良率;
- ◆均装配射式光电开关, 适于直接安装成型机入料口; 装配进接开关, 适于直接安装成型机料斗上;
- ◆均采用玻璃料管搭配静电容感测器设计, 可精确侦测原料输送;
- ◆均装配不锈钢滤网, 可以及时清除积尘

Features

- ◇Stainless steel construction used by ER/FSR series for ensuring material free and for all structural by SR/CSR series from contamination that working with detachable autoloaders;
- ◇Mechanical stainless flap fitting on ER/SR/CSR series that need not to be adjusted according to different material;
- ◇With hopper receivers and bases are locked by hinge, FSR/SR/CSR series is easy for dismantling;
- ◇A diaphragm valve fitting on CSR series if several central hopper receivers want to share same blower for centralized feeding system;
- ◇FSR series is particularly designed for optic product use for reducing powder to cause any defects for enhancing productivity qualities.
- ◆Autoloaders equip with photo sensors which are mounted onto the feeding port of injection molding machines; autoloaders equip with proximity switch which are mounted onto the hopper dryers.
- ◆To adopt glass tube with photo sensor (static capacity detection) for precisely detect material conveying.;

产品结构图 Product Structure Diagram



ER系列

FSR系列

SR系列

CSR系列

规格表 Specifications

产品型号 Model		ER-6E	ER-6
料斗容量 Hopper Capacity	L	6	6
输送能力 Conveying Capacity	kg/h	140	140
感应类型 Sensor Type		光电式 Photoelectric	近接式 Proximate
控制电压 Control Voltage	V	DV24V	
料管口径 Conveying Hose Size	mm	38.1 (1.5")	
过滤类型 Filter Type		不锈钢滤网 Filter Netting	
总功率 Total Power	W	10	
外观尺寸 Dimensions	L(m)	0.388	0.388
	W(m)	0.291	0.291
	H(m)	0.6	0.568
固定尺寸 Size	OD(m)	/	0.21
	ID(m)	/	0.18
	PCD(m)	/	0.081
选配件 Option		吸料管Suction Tube+PPC钢丝软管Hose	
机器重量 Weight	kg	6	7

产品型号 Model		FSR-3E	
料斗容量 Hopper Capacity	L	3	
输送能力 Conveying Capacity	kg/h	70	
感应类型 Sensor Type		光电式 Photoelectric	
控制电压 Control Voltage	V	DV24V	
料管口径 Conveying Hose Size	mm	38.1 (1.5")	
过滤类型 Filter Type		不锈钢滤网 Filter Netting	
总功率 Total Power	W	10	
外观尺寸 Dimensions	L(m)	0.266	
	W(m)	0.241	
	H(m)	0.55	
固定尺寸 Size	OD(m)	0.12	
	ID(m)	0.06	
	PCD(m)	0.078	
选配件 Option		吸料管Suction Tube+PPC钢丝软管Hose	
机器重量 Weight	kg	10	

SR-3E	SR-6E	SR-12E	SR-3	SR-6	SR-12	SR-18	SR-24
3	6	12	3	6	12	18	24
70	140	200	70	140	200	260	320
光电式 Photoelectric			近接式 Proximate				
DC24V							
38.1 (1.5")							
不锈钢滤网 Filter Netting							
10			15				
0.225	0.315	0.315	0.276	0.315	0.315	0.315	0.315
0.255	0.275	0.275	0.255	0.275	0.275	0.275	0.275
0.53	0.615	0.67	0.385	0.47	0.625	0.78	0.835
0.12	0.12	0.12	0.22	0.22	0.22	0.22	0.22
0.06	0.06	0.06	0.18	0.18	0.18	0.18	0.18
0.078	0.078	0.078	0.2	0.2	0.2	0.2	0.2
吸料管 Suction Tube+PPC 钢丝软管 Hose							
10	12	13.5	9.5	12	13.5	15	17.5

CSR-3E	CSR-6E	CSR-12E	CSR-3	CSR-6	CSR-12	CSR-18	CSR-24
3	6	12	3	6	12	18	24
70	140	200	70	140	200	260	320
光电式 Photoelectric			近接式 Proximate				
DC24V							
38.1 (1.5")							
不锈钢滤网 Filter Netting							
15							
0.335	0.375	0.375	0.37	0.4	0.4	0.4	0.4
0.25	0.259	0.259	0.255	0.275	0.275	0.275	0.275
0.555	0.64	0.695	0.415	0.495	0.651	0.7	0.75
0.12	0.12	0.12	0.22	0.22	0.22	0.22	0.22
0.06	0.06	0.06	0.18	0.18	0.18	0.18	0.18
0.078	0.078	0.078	0.2	0.2	0.2	0.2	0.2
/							
11	13	14.5	10.5	13	14.5	16	18.5

注: 产品规格若有变更, 恕不另行通知 We reserve right to change specifications without prior notice.

TTW Series Water Type Mold Temperature Controllers

水式模温机TTW系列



使用水为传热媒介，以直接（标准型）或间接冷却（高温型）方式达到热交换。具有热传导效率高，污染少，水资源容易取得，使用成本低等优点。标准型温度控制达120~160℃。

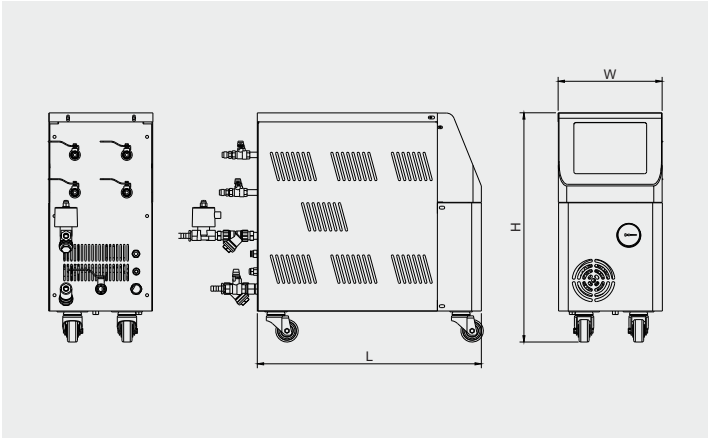
Water Type Mold Temperature Controllers use water as heating media to realize heat exchange by direct cooling for standard temperature control from 120~160℃. Water type has its superiorities with high efficient heat transmission, less pollution, water resource easy to be attained with low cost.

冷却单元的冷却器结构获得实用新型专利
Practical New Patent for structure of cooler
专利号/Patent No: ZL 201120245120. X

特点

- ◆电控箱与机身隔离，隔热效果佳，电器使用寿命长。
- ◆模温机专用PID控制器，控温更合理，省电35%以上。
- ◆安全保护及故障指示系统完善，维修方便无需专业人员。
- ◆进口高级组件，使用年限长。
- ◆升降温速度快，温度精确稳定，可达±0.1℃。
- ◆独特的加热设计，适合不同温控场所使用，节能效果明显。
- ◆主管路采用304不锈钢一体成型，管损小，加热均匀，使用寿命长。
- ◆开机自动排气功能。
- ◆吹气回水功能。

产品结构图 Product Structure Diagram



Features

- ◆Electronic control panel and machine body are isolated to acquire good effects on heat insulation in order to extend the service life of electrical components.
- ◆P.I.D multi-stage temperature control system can save power up to 35% thanks to control temperature accurately & reasonably.
- ◆Perfect safety protection and error indication display which are easy maintained and repaired ,even without professionals can do it.
- ◆Imported hi-class parts with long service life.
- ◆Rapid heating and cool down speeds lead temperature to be kept precisely and stably with accuracy up to ±0.1℃.
- ◆Unique heating design are suitable to different temperature control application with excellent & distinct power saving.
- ◆304 stainless steel integrated pipelines with less pipe resistance and even heating for long service life.
- ◆Automatic air-exhausting function after startup.



双温水式模温机

Dual-purpose water type mold temperature controller

安全保护及指示系统

- 安全保护及指示系统
- 电源欠相保护
- 总电源保护及指示灯
- 泵反转保护及指示灯
- 泵过载保护及指示灯
- 缺水保护及指示灯
- 过热保护及指示灯
- 热水By-pass泄压回路
- 强制冷却
- 温度异常警报
- 异常警报蜂鸣器

选择加装配件

- 感温棒接到外部配线
- 大型水质滤芯器
- 防漏电保护开关
- 电压异常保护开关
- 铁弗龙管

Safety Protecting and Indiction System

- Safty Protection and Indiction System
- Power lack-phase protection
- Power supply protection and indicating lamp
- Pump reverse protection and indicating lamp
- Pump overload protection and indicating lamp
- Water shortage protection and indicating lamp
- Overheat protection and indicating lamp
- Hot water by-pass pressure release loop
- Forced cooling
- Abnormal temperature alarm
- Abnormal alarm buzzer

Additional Equipment For Option

- Thermocouplen for connecting external wiring
- Large water filter
- leakage protection switch
- Abnormal voltage protection switch
- Teflon hose



规格表 Specification Sheet

产品型号 Model	TTW-120S	TTW-1210	TTW-1220	TTW-1230	TTW-1250	TTW-1410	TTW-1420	TTW-1610	TTW-1620	TTW-1650	TTW-120SD	TTW-1210D	TTW-1420D	TTW-1610D
加热器功率 Heater Power (KW)	6	9	9	6x2	9x2	9	9	9	12	9x2	6x2	9x2	9x2	9x2
传热媒介 Heat Transfer Medium	水 Water										水 Water			
冷却方式 Cooling Method	直接冷却 Direct				直接 Direct / 间接冷却 Direct/			直接冷却 Direct			直接冷却 Direct	直接/间接冷却 Direct/Indirect		直接冷却 Direct
冷却水压要求 Min. Water Pressure (Kg/cm2)	2~5				直接 Direct 4~5 间接 Indirect 1~5			1~5			2~5	直接 Direct 4~5 间接 Indirect 1~5		1~5
冷却水配管 Cooling Water Pipe	PT 1 / 2								PT 3 / 4		PT 1/2			
最高使用温度 Max. Working Temp. (°C)	120				140			160			120	120	140	160
最低使用温度 Min. Working Temp. (°C)	进水温度+3~5℃ Inlet Temp. +3~5℃										进水温度+3~5℃ Inlet Temp. +3~5℃			
温控精度 Temperature Control Accuracy(°C)	±0.1℃										±0.1℃			
热水配管 Hot Water Pipe	2进2出PT1/4 2in2outPT1/4	8进8出PT3/8 8in8outPT3/8					1进1出PT1 1in1outPT1			2进2出PT1/4x两组 2in2outPT1/4x2	4进4出PT3/8x两组 4in4outPT3/8x2			
冷却能力 Cooling Capacity (Kcal/H)	5400								7500		10800			
水泵功率 Pump Power (HP)	0.5	1	2	3	5	1	2	1	2	5	0.5x2	1x2	2x2	1x2
水泵流量 Pump Flow (L/min)	35	60	145	200	280	60	145	60	145	280	35	60	145	60
水泵扬程 Water pump lifts (M)	26										26			
系统电源 Power Supply (V)	AC380V/3P /50HZ										AC380V/3P /50HZ			
机器总功率 Total Power (KW)	6.5	9.9	10.5	15	22	9.9	10.7	9.9	13.5	22	13	19.8	21	19.8
电源线规格 Wires Specifications (mm²)	4*2.5	4*4	4*4	4*6	4*10	4*4	4*6	4*4	4*6	4*10	4*6	4*10	4*10	4*10
电源线长度 Wires Length (M)	6										6			
外观尺寸 Dimensions LxWxH(m)	0.51*0.23*0.52	0.62*0.29*0.59	0.67*0.29*0.7	0.67*0.35*0.79	0.8*0.43*0.97	0.67*0.29*0.7	0.67*0.29*0.7	0.7*0.29*0.7	0.8*0.35*0.79	1.07*0.43*1.12	0.51*0.52*0.46	0.65*0.4*0.77	0.7*0.58*0.67	0.82*0.403*0.69
机器重量 Weight (Kg)	40	50	55	65	90	65	70	75	80	100	70	90	100	140

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TTO Series Oil Type Mold Temperature Controllers

油式模温机TTO系列



使用油为传热媒介，以间接冷却方式达到热交换，具有控温范围大，热稳定性好等优点。标准型温度控制达200℃，高温型已达300℃。

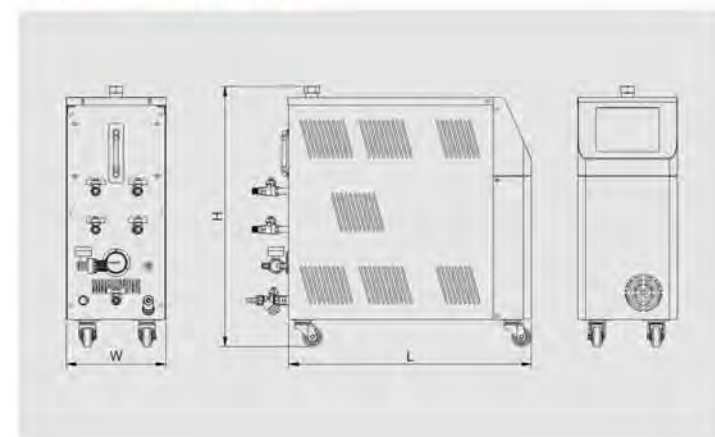
Oil Type Mold Temperature Controllers use oil as heating media to realize heat exchange by indirect cooling. Oil type has its superiorities with wide temperature controlled range and excellent heat stability. Standard heating temperature can reach at 200℃ while high temperature type can reach 300℃.

特点

- ◆电控箱与机身隔离，隔热效果佳，电器使用寿命长。
- ◆模温机专用PID控制器，控温更合理，省电35%以上。
- ◆安全保护及故障指示系统完善，维修方便无需专业人员。
- ◆进口高级组件，使用年限长。
- ◆升降温速度快，温度精确稳定，可达±0.1℃。
- ◆独特的加热设计，适合不同温控场所使用，节能效果明显。
- ◆主管路采用304不锈钢一体成型，管损小，加热均匀，使用寿命长。
- ◆开机自动排气功能。
- ◆吹气回油功能。

产品结构图

Product Structure Diagram



Features

- ◆ Electronic control panel and machine body are isolated to acquire good effects on heat insulation in order to extend the service life of electrical components.
- ◆ P.I.D multi-stage temperature control system can save power up to 35% thanks to control temperature accurately & reasonably.
- ◆ Perfect safety protection and error indication display which are easy maintained and repaired, even without professionals can do it.
- ◆ Imported hi-class parts with long service life.
- ◆ Rapid heating and cool down speeds lead temperature to be kept precisely and stably with accuracy up to ± 0.1℃.
- ◆ Unique heating design are suitable to different temperature control application with excellent & distinct power saving.
- ◆ 304 stainless steel integrated pipelines with less pipe resistance and even heating for long service life.
- ◆ Automatic air-exhausting function after startup.
- ◆ Air blowing and return oil function.



双温油式模温机

Dual-purpose oil type mold temperature controller

安全保护及指示系统

安全保护及指示系统

电源欠相保护

总电源无熔丝断路器

泵反转保护及指示灯

泵过载保护及指示灯

缺水保护及指示灯

过热保护及指示灯

热油By-pass 压回路

强制冷却

温度异常警报

异常警报蜂鸣器

缺油保护及指示器

选择加装配件

感温棒接到外部配线

防漏电保护开关

回油温度显示表

电压异常保护开关

铁弗龙管

Safety Protecting and Indiction System

Safety Protection and Indiction System

Power lack-phase protection

Non-fuse circuit braker for protecting power supply

Pump reverse protection and indicating lamp

Pump overload protection and indicating lamp

Water shortage protection and indicating lamp

Overheat protection and indicating lamp

Hot oil by-pass pressure release loop

Forced cooling

Abnormal temperature alarm

Abnormal alarm buzzer

Oil shortage protection and indicating lamp

Additional Equipment For Option

Thermocouplen for connecting external wiring

leakage protection switch

Thermometer for return oil

Abnormal voltage protection switch

Teflon hose

规格表

Specification Sheet

产品型号 Model	TTO-2005	TTO-2010	TTO-2020	TTO-3010	TTO-2005D	TTO-2010D	TTO-2020D
加热器功率 Heater Power (KW)	6	9	9	12	6x2	9x2	9x2
传热媒介 Heat Transfer Medium	油 Oil						
冷却方式 Cooling Method	间接冷却 Indirect						
冷却水压要求 Min. Water Pressure (kg/cm2)	1~5						
冷却水配管 Cooling Water Pipe	PT1/2						
最高使用温度 Max. Working Temp. (℃)	200	200	200	300	200	200	200
最低使用温度 Min. Working Temp. (℃)	进水温度+50℃ Inlet Temp.+50℃						
温控精度 Temperature Control Accuracy(℃)	± 0.1℃						
热水配管 Hot Water Pipe	2进2出PT3/8 2in2out PT3/8	4进4出PT3/8 4in4out PT3/8	4进4出PT3/8 4in4out PT3/8	4进4出PT1/2 4in4out PT1/2	2进2出PT3/8 2in2out PT3/8	4进4出PT3/8 4in4out PT3/8	4进4出PT3/8 4in4out PT3/8
冷却能力 Cooling Capacity (Kcal/H)	8000	9000	9000	9500	16000	18000	18000
水泵功率 Pump Power (HP)	0.5	1	2	1	0.5x2	1x2	2x2
水泵流量 Pump Flow (L/min)	35	45	70	75	35x2	45x2	70x2
油箱容量 Oil Tank (L)	7	7	7	15	7x2	7x2	7x2
水泵扬程 Water pump lifts (M)	26						
系统电源 Power Supply (V)	AC380V/3P/50HZ						
机器总功率 Total Power (KW)	6.5	9.9	10.7	12.9	13	19.8	21.4
电源线规格 Wires Specifications (mm²)	4×4			4x6		4x10	
电源线长度 Wires Length (M)	6						
外观尺寸 Dimensions LxHxW(m)	0.635*0.65*0.26	0.67*0.7*0.29	0.67*0.7*0.29	0.93*0.88*0.38	0.635*0.65*0.52	0.67*0.7*0.58	0.74*0.7*0.58
机器重量 Weight (Kg)	60	70	100	155	110	130	190

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TTR Series Rapid Heat and Cool Temperature Controller

速冷速热高光模温机TTR系列



特点

- ◆ 采用日本进口MITUBISHI控制器和10寸触屏显示器,触摸式中文输入介面, 操作方便。
- ◆ 全闭环系统控制输入输出温度的检测, 以模具实际温度回馈PLC,数彩图式变化显示,确保温度输出精准稳定。
- ◆ 高温热水,冷水,空气,温度,压力及过载等六项警报,采用时间和温度动作与注塑机信号互锁。
- ◆ 控制台采分离式设计,可依需求放置于适当之位置,方便操作。
- ◆ 整机采用国外进口零件,提高性能并可延长零件使用年限。
- ◆ 整机配备加热,冷却,冷热转换控制功能。
- ◆ 高温热水,冷却水回收系统,节能效果明显(高温热水达到95%的热能回收, 冷却回圈水100%的介质回收)。
- ◆ 无需连接锅炉及其他外置温控辅助设备,省略复杂的锅炉设备和管道工程,完全解决锅炉不可回收的能耗大问题,节能,节省成本。

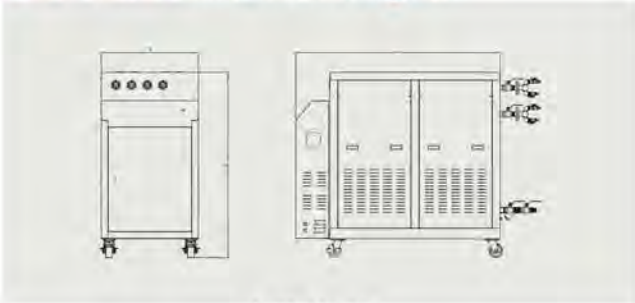
Features

- ◆ To adapt P.I.D temperature control system for achieving an even dry effect.
- ◆ A full-closed loop controls the detection of input and output temperature; the mold's actual temperature feedback to PLC; and digital colors are available for varying display, making the output accurate and stable.
- ◆ For the six kinds of alarms including high-temperature hot water, cold water, air temperature and pressure, overload, the interlocking between time and temperature movements and the injection molding machine's signals is employed.
- ◆ Controller is independent which can be placed at proper location for operation conveniently.
- ◆ Imported components are used for enhancing performance and prolonging service life.
- ◆ The heating, cooling and hot/cold transformation functions are available.
- ◆ It is designed with recycling systems for high-temperature hot water and cooling water, saving energy significantly. (hot water can reach 95% recovery and cooling water can reach 100% recovery)
- ◆ It is unnecessary to connect with a boiler or other external auxiliary temperature controlling equipment, avoiding the application of complicated boiler plants and pipe works for achieving power & cost saving.

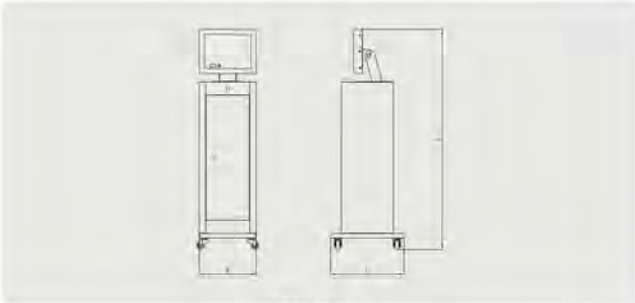
主要应用于消除产品表面的溶接线, 溶接痕, 波纹, 银丝纹, 提高产品表面的泽度, 达到镜面效果, 免去产品后续的表面喷涂加工处理, 大大提高生产效率, 成品良率提高20~30%。彻底解决塑胶产品表面缩水现象, 使产品外观更加完美, 薄壁成形加速注塑流动性, 提高产品品质及强度; 使厚壁成形缩短生产周期60%, 大大提高生产效率。

This series can be used effectively to solve many defects on polymer molding, such as weld marks, flow marks, ruffles, silver marks and enhance products' surface with glossy like mirror. It is unnecessary for secondary processing on spraying to products, increasing the rate of good finished products by 20% to 30%. It can solve the surface shrinkage of plastic products completely to make high quality of products appearance. For thin wall molding, it can improve the melted resin fluidity faster during the polymer filling (packing) phase for ensuring products' quality & strength. The cycle time for thickness parts molding will be reduced up to 60% to enhance the productivity greatly.

产品结构图 Product Structure Diagram



主机 Main Unit



操作台 Station

规格表

Specification Sheet

名称 Item	高光冷热控制器 Heat & Cool Controller		高光冷热控制器 Heat & Cool Controller	
型号 Model	TTR-400T		TTR-800T	
电压 Voltage	3Φ, 380V, 50/60HZ		3Φ, 380V, 50/60HZ	
总功率 Total Power	56.6KW		112.4KW	
总电流 Total Current	107A		216A	
电热 Heater	加热方式 Heating Type	电热管 Heat Tube	加热方式 Heating Type	电热管 Heat Tube
	电热功率 Heating Capacity	9KW × 6	电热功率 Heating Capacity	9KW × 12
系统温度 System Temp.	常温 Normal Temp. - 180℃		常温 Normal Temp. - 180℃	
温度传感器 Temp. Sensor	K型(可设) K Type (adjustable)		K型(可设) K Type (adjustable)	
加热控制精度 Heat Control Accuracy	± 2℃ (可设adjustable)		± 2℃ (可设adjustable)	
系统冷却 System Cooling	直接冷却 Direct Cooling		直接冷却 Direct Cooling	
屏幕显示 Screen Show	全中文画面 All Chinese Display		全中文画面 All Chinese Display	
系统控制方式 System Control Type	电脑PLC(FX2N) + 触摸屏 Computer PLC (FX2N) + touch screen		电脑PLC(FX2N) + 触摸屏 Computer PLC (FX2N) + touch screen	
使用媒体 Medium	水 Water		水 Water	
系统进/出水口 System Inlet/outlet Size	1" / 1"		1" / 1.2"	
媒体进/出水口 Medium Inlet/outlet Size	DN20 (3/8x8)		DN25 (3/8x10) 十进十出	
冷水泵 Cool Water Pump	型号 Model	CR3-17	型号 Model	CR5-16
	功率 Capacity	1.5KW	功率 Capacity	2.2KW
	流量 Flow	60L/min	流量 Flow	85L/min
热水泵 Hot Water Pump	型号 Model	CR15-9	型号 Model	CR15-11
	功率 Capacity	1.5KW	功率 Capacity	2.2KW
	流量 Flow	90L/min	流量 Flow	105L/min
压缩气体 Compressed Air	4.5Kg/cm2		4.5Kg/cm2	
供气管 Supply Air Tube	Φ 10(mm)		Φ 10(mm)	
机台外型尺寸 Machine Outline Size	1.2*0.6*1 (m)		1.56*0.74*1.37(m)	
操作台外型尺寸 Work Station Outline Size	0.45*0.35*1.2(m)		0.45*0.35*1.4(m)	
配成型机台范围 Recommended IMM Range	400T(与模具大小有关 According to mold size)		800T(与模具大小有关 According to mold size)	
机台重量 Weight	408 Kg		580 Kg	

注: 产品规格若有变更, 恕不另行通知 We reserve right to change specifications without prior notice.

速冷速热(高光)模温机应用

目前用于液晶电视机, 电脑液晶显示器, 汽车液晶显示器, 灯和光学仪器等行业。

Application of Rapid Heat & Cool Temperature Controller

Used in liquid crystal TV,LCD for computer and vehicles,lamp and optical instrument industries,etc.

TCA Series Air Chillers

风冷式冷水机 TCA 系列

风冷壳管式冷水机 风冷盘管式冷水机
Air Chillers Tube-in-shell Type, Air Chillers Spiral Type

风冷式采用翅片式冷凝器，导热快，散热效果佳，无需提供冷却水。可提供5~35℃，低温型更可低至3℃的冰水(温差不超过±1℃)，压缩机功率从3HP~50HP，制冷量能力可达7800~128570 Kcal/hr。

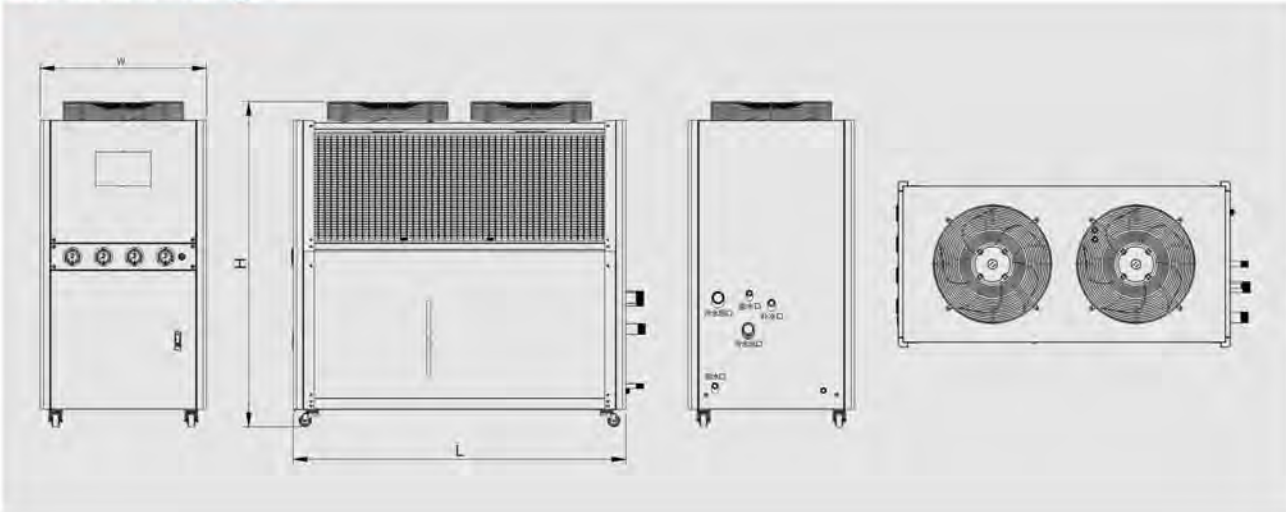
Air Chillers adopt fin condensers (without need of cooling water) with the features of rapid heat transmission and excellent heat dispersion. This series can be afforded cooling ranges from 5~35℃, even lower to 3℃ (temperature controlled accuracy at ±1℃). The compressors' power range from 3HP~50HP and cooling capacities range from 7800~ 128570 Kcal/hr.



特点

- ◆采用进口高品质压缩机及进口水泵，安全宁静、省电耐用。
- ◆采用全电脑温控器，操作简洁，能准确地控制水温在±3℃至±5℃。
- ◆冷凝器及散热器设计独特，换热效果更佳。
- ◆有电流过载保护，高低压控制及电子式时间延迟安全装置，当发生故障时及时发出警报及显示故障原因。
- ◆内置304不锈钢保温水箱，经久耐用，清洗方便。
- ◆设有逆相欠相保护和防冰保护。
- ◆超低温型冷水机温度可达-15℃以下。
- ◆此系列冷水机可订做耐酸碱式。

产品结构图 Product Structure Diagram



Features

- ◆ To adopt imported superb compressors and pumps to ensure safe & quiet running, power saving and durable service life.
- ◆ To employ microcomputer with easy operation which can control temperature within ±3℃ to ±5℃ precisely.
- ◆ Unique design for condenser and heat-dispersion unit result in excellent heat-exchange effect.
- ◆ To equip with electrical current overload protection, high & low-pressure switch, electronic timer delay safety device. It will alarm to display faulty while any malfunction occurs.
- ◆ To adopt with internal 304 stainless steel insulated water tank with durable service life for easy cleaning & maintenance.
- ◆ Complete safety devices including power reverse phase & power short phase and anti-freeze protection.
- ◆ Ultra low temperature type of chillers can reach below -15℃.
- ◆ Chillers for anti-alkaline & anti-acid type can be customized.

风冷壳管式冷水机规格表 Air Chillers Tube-in-shell Type

产品型号 Model	TCA-5T	TCA-8T	TCA-10T	TCA-15T	TCA-20T	TCA-30T	TCA-40T	TCA-50T
制冷量 Cooling Capacity(W)	14600	23400	29900	43800	59800	89700	119600	149500
压缩机数量 Number of Compressors (台 Set)	1	2	2	3	2	3	4	4
压缩机总功率 Compressor Total Power(HP)	5	8	10	15	20	30	40	50
使用冷媒 Refrigerant	R22	R22	R22	R22	R22	R22	R22	R22
蒸发器类型 Evaporator Type	壳管式 Tube-in-shell type							
蒸发器进出口口径 Evaporator Inlet/outlet Size	DN25	DN40	DN40	DN50	DN50	DN80	DN80	DN80
冷凝器类型 Condenser Type	翅片式 Tube-fin Type							
散热风机数量 Number of Blower	2	2	2	2	3	3	4	4
单个风扇功率 Per Fan Capacity (KW)	0.15	0.45	0.45	0.55	0.55	0.75	0.75	1
冷水进出口数量 Number of Cooling Water Inlet/outlet (组 Group)	4	1	1	1	1	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size	DN15	DN40	DN40	DN50	DN50	DN80	DN80	DN80
水箱容量 Water Tank Capacity (L)	60	130	130	180	245	245	300	400
水泵功率 Pump Power (HP)	0.5	1	1	2	2	5	5	5
水泵流量 Pump Flow (L/min)	48	100	100	200	200	350	350	500
水泵扬程 Pump Lifts (M)	15	16	16	18	18	22	22	30
系统电源 Power Supply (V)	AC380V/3P/50HZ							
控制电源 Control Voltage (V)	AC220V1P							
机器总功率 Total Power (KW)	4.5	7.7	9.2	13.9	18.2	28.6	36.9	49.2
电源线规格 WiresSpecifications (mm²)	4X4		4X6		4X10	4X16	4X25	4X35
电源线长度 Wires Length (M)	6							
外观尺寸 Dimensions LxWxH(m)	1.28*0.7*1.1	1.68*0.85*1.47	1.68*0.85*1.47	1.9*1*1.9	2.15*0.85*1.97	2.15*0.9*2	2.6*0.9*2	2.6*1.1*2
机器重量 Weight (Kg)	200	350	365	550	665	1100	1500	2000

风冷盘管式冷水机规格表 Air Chillers Spiral Type

产品型号 Model	TCA-3	TCA-4	TCA-5	TCA-8	TCA-10	TCA-15	TCA-20
制冷量 Cooling Capacity(W)	9070	11700	14600	23400	29900	43800	59800
压缩机数量 Number of Compressors (台 Set)	1	1	1	2	2	3	2
压缩机总功率 Compressor Total Power(HP)	3	4	5	8	10	15	20
使用冷媒 Refrigerant	R22	R22	R22	R22	R22	R22	R22
蒸发器类型 Evaporator Type	盘管式 Spiral type						
冷凝器类型 Condenser Type	翅片式 Tube-fin Type						
散热风机数量 Number of Blower	2	2	2	2	2	2	3
单个风扇功率 Per Fan Capacity (KW)	0.15	0.15	0.15	0.45	0.45	0.8	1.1
冷水进出口数量 Number of Cooling Water Inlet/outlet (组 Group)	4	4	4	1	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size	DN15	DN15	DN15	DN40	DN40	DN50	DN50
水箱容量 Water Tank Capacity (L)	60	60	60	130	130	180	245
水泵功率 Pump Power (HP)	0.5	0.5	0.5	1	1	2	2
水泵流量 Pump Flow (L/min)	48	48	48	100	100	200	200
水泵扬程 Pump Lifts (M)	15	15	15	16	16	18	18
系统电源 Power Supply (V)	AC380V/3P/50HZ						
控制电源 Control Voltage (V)	AC220V1P						
机器总功率 Total Power (KW)	2.9	3.7	4.5	7.7	9.2	13.9	18.2
电源线规格 WiresSpecifications (mm²)	4X2.5		4X4		4X6	4X10	4X10
电源线长度 Wires Length (M)	5					选配 Option	
外观尺寸 Dimensions LxWxH(m)	1.18*0.6*1.2	1.18*0.6*1.2	1.18*0.6*1.2	1.58*0.75*1.5	1.58*0.75*1.5	2.2*1.0*1.85	2.2*1.1*2.0
机器重量 Weight (Kg)	190	195	200	350	365	980	665

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TCW Series Water Chillers

水冷式冷水机TCW系列

水冷壳管式冷水机 水冷盘管式冷水机

Water Chillers Tube-in-shell Type. Water Chillers Spiral Type

水冷式采用壳管式冷凝器，导热快，散热效果佳。可提供5~35℃，低温型更可低至3℃的冰水(温差不超过±1℃)，压缩机功率从3HP~50HP，制冷量能力可达7800~128570 Kcal/hr。

Water Chillers adopt shell-shape condensers with the features of rapid heat transmission and excellent heat dispersion. This series can be afforded cooling ranges from 5~35℃, even lower to 3℃ (temperature controlled accuracy at ±1℃). The compressors' power range from 3HP~50HP and cooling capacities range from 7800~128570 Kcal/hr.

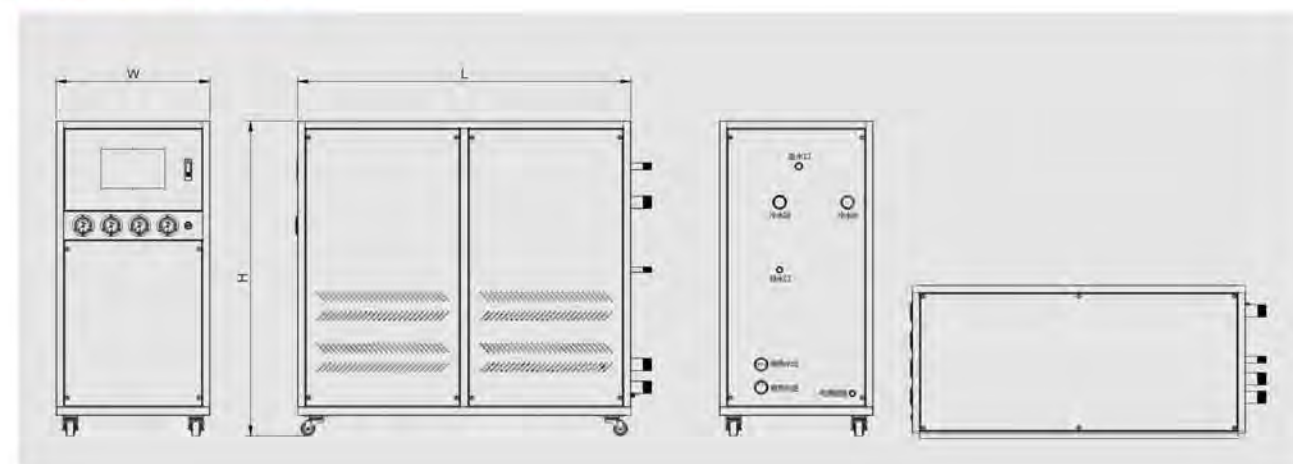


特点

- ◆采用进口高品质压缩机及进口水泵，安全宁静、省电耐用。
- ◆采用全电脑温控器，操作简洁，能准确地控制水温在±3℃至±5℃。
- ◆冷凝器及散热器设计独特，换热效果更佳。
- ◆有电流过载保护，高低压控制及电子式时间延迟安全装置，当发生故障时及时发出警报及显示故障原因。
- ◆内置304不锈钢保温水箱，经久耐用，清洗方便。
- ◆设有逆相欠相保护和防冰保护。
- ◆超低温型冷水机温度可达-15℃以下。
- ◆此系列冷水机可订做耐酸碱式。

产品结构图

Product Structure Diagram



Features

- ◆ To adopt imported superb compressors and pumps to ensure safe & quiet running, power saving and durable service life.
- ◆ To employ microcomputer with easy operation which can control temperature within ±3℃ to ±5℃ precisely.
- ◆ Unique design for condenser and heat-dispersion unit result in excellent heat-exchange effect.
- ◆ To equip with electrical current overload protection, high & low-pressure switch, electronic timer delay safety device. It will alarm to display faulty while any malfunction occurs.
- ◆ To adopt with internal 304 stainless steel insulated water tank with durable service life for easy cleaning & maintenance.
- ◆ Complete safety devices including power reverse phase & power short phase and anti-freeze protection.
- ◆ Ultra low temperature type of chillers can reach below -15℃.
- ◆ Chillers for anti-alkaline & anti-acid type can be customized.

水冷壳管式冷水机规格表 Water Chillers Tube-in-shell Type

产品型号 Model	TCW-5T	TCW-8T	TCW-10T	TCW-15T	TCW-20T	TCW-25T	TCW-30T	TCW-40T	TCW-50T
制冷量 Cooling Capacity(W)	14600	23400	29900	43800	59800	74750	89700	119600	149500
压缩机数量 Number of Compressors (台 Set)	1	2	2	3	2	2	3	4	4
压缩机总功率 Compressor Total Power(HP)	5	8	10	15	20	25	30	40	50
使用冷媒 Refrigerant	R22								
蒸发器类型 Evaporator Type	壳管式 Tube-in-shell Type								
蒸发器进出水口径 Evaporator Inlet/outlet Size	DN40	DN40	DN40	DN50	DN50	DN65	DN80	DN80	DN80
冷凝器类型 Condenser Type	壳管式 Tube-in-shell Type								
冷凝器散热水口径 Condenser Hot Wat	DN25	DN40	DN40	DN50	DN50	DN65	DN80	DN80	DN80
冷水进出口数量 Number of Cooling Water Inlet/outlet (组 Group)	4	1	1	1	1	1	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size	DN15	DN40	DN40	DN50	DN50	DN65	DN80	DN80	DN80
水箱容量 Water Tank Capacity (L)	60	80	80	120	160	160	180	300	500
水泵功率 Pump Power (HP)	0.5	1	1	2	2	3	5	5	5
水泵流量 Pump Flow (L/min)	48	100	100	200	200	300	350	350	500
水泵扬程 Pump Lifts (M)	15	16	16	18	18	20	22	22	25
系统电源 Power Supply (V)	AC380V/3P/50HZ								
控制电源 Control Voltage (V)	AC220V1P								
机器总功率 Total Power (KW)	4.5	7	8.5	13	16.5	21.1	26.3	33.8	41.3
电源线规格 Wires Specifications (mm ²)	4X4		4X6		4X10	4X16	4X25		
电源线长度 Wires Length (M)	6		6		6		选配 Option		
外观尺寸 Dimensions LxWxH(m)	1.05*0.98*0.6	1.3*0.6*1.23	1.3*0.6*1.23	1.7*0.6*1.4	1.7*0.65*1.4	1.8*0.7*1.5	2.2*1.55*0.85	2.5*1.2*1.8	2.5*1.5*1.8
机器重量 Weight (Kg)	150	280	295	490	570	700	800	1100	1500

水冷盘管式冷水机规格表 Water Chillers Spiral Type

产品型号 Model	TCW-3	TCW-4	TCW-5	TCW-8	TCW-10	TCW-15	TCW-20	TCW-25
制冷量 Cooling Capacity(W)	9070	11700	14600	23400	29900	43800	59800	74750
压缩机数量 Number of Compressors (台 Set)	1	1	1	2	2	3	2	2
压缩机总功率 Compressor Total Power(HP)	3	4	5	8	10	15	20	25
使用冷媒 Refrigerant	R22							
蒸发器类型 Evaporator Type	盘管式 Spiral type							
冷凝器类型 Condenser Type	翅片式 Tube-fin type							
冷凝器散热水口径 Condenser Hot Wat	DN25	DN25	DN25	DN40	DN40	DN50	DN50	DN80
冷水进出口数量 Number of Cooling Water Inlet/outlet (组 Group)	4	4	4	1	1	1	1	1
冷水进出口口径 Cooling Water Inlet/outlet Size	DN15	DN15	DN15	DN40	DN40	DN50	DN50	DN80
水箱容量 Water Tank Capacity (L)	40	60	60	120	120	180	245	300
水泵功率 Pump Power (HP)	0.5	0.5	0.5	1	1	2	2	3
水泵流量 Pump Flow (L/min)	48	48	48	100	100	200	200	300
水泵扬程 Pump Lifts (M)	15	15	15	16	16	18	18	22
系统电源 Power Supply (V)	AC380V/3P/50HZ							
控制电源 Control Voltage (V)	AC220V 1P							
机器总功率 Total Power (KW)	3	3.5	4.5	7	8.5	13	16.5	21.2
电源线规格 Wires Specifications (mm ²)	4X25		4X4		4X6	4X10		
电源线长度 Wires Length (M)	6		6		6		选配 Option	
外观尺寸 Dimensions LxWxH(m)	0.705*0.45*0.88	0.9*0.5*0.91	0.9*0.5*0.91	1.3*0.6*1.23	1.3*0.6*1.23	1.7*0.6*1.4	1.7*0.65*1.4	1.9*0.8*1.52
机器重量 Weight (Kg)	140	145	150	280	295	490	570	800

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

水冷开放式冷水机 Water Chillers (Open type)

特点

- ◆采用进口高品质压缩机及进口水泵，安全宁静、省电耐用。
- ◆采用全电脑温控器，操作简洁，能准确地控制水温在 $\pm 3^{\circ}\text{C}$ 至 $\pm 5^{\circ}\text{C}$ 。
- ◆冷凝器及散热器设计独特，换热效果更佳。
- ◆有电流过载保护，高低压控制及电子式时间延迟安全装置，当发生故障时及时发出警报及显示故障原因。
- ◆内置304不锈钢保温水箱，经久耐用，清洗方便。
- ◆设有逆相欠相保护和防冰保护。
- ◆超低温型冷水机温度可达 -15°C 以下。
- ◆此系列冷水机可订做耐酸碱式。

Features

- ◆ To adopt imported superb compressors and pumps to ensure safe & quiet running, power saving and durable service life.
- ◆ To employ microcomputer with easy operation which can control temperature within $\pm 3^{\circ}\text{C}$ to $\pm 5^{\circ}\text{C}$ precisely.
- ◆ Unique design for condenser and heat-dispersion unit result in excellent heat-exchange effect.
- ◆ To equip with electrical current overload protection, high & low-pressure switch, electronic timer delay safety device. It will alarm to display faulty while any malfunction occurs.
- ◆ To adopt with internal 304 stainless steel insulated water tank with durable service life for easy cleaning & maintenance.
- ◆ Complete safety devices including power reverse phase & power short phase and anti-freeze protection.
- ◆ Ultra low temperature type of chillers can reach below -15°C .
- ◆ Chillers for anti-alkaline & anti-acid type can be customized.

规格表

Specification sheet

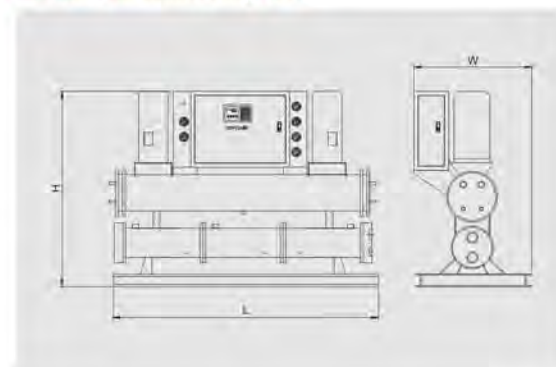
产品型号 Model	TCW-3TE	TCW-5TE	TCW-8TE	TCW-10TE	TCW-15TE	TCW-20TE	TCW-30TE	TCW-40TE	TCW-50TE
制冷量 Cooling Capacity(W)	9500	15600	24800	31200	48500	56400	84600	132000	152000
压缩机数量 Number of Compressors (台 Set)	1	1	2	2	1(2)	2	3	4	4
压缩机总功率 Compressor Total Power(HP)	3	5	8	10	15	20	30	40	50
使用冷媒 Refrigerant	R22								
蒸发器类型 Evaporator Type	壳管式 Tube-in-shell Style								
蒸发器进出口口径 Evaporator Inlet/outlet Size	1		1 1/2		2			3	
冷凝器类型 Condenser Type	壳管式 Tube-in-shell Style								
冷凝器散热水口径 Condenser Hot Wat	1		1 1/2		2			3	
冷水进出口数量 Number of Cooling Water Inlet/outlet (组 Group)	1								
冷水进出口口径 Cooling Water Inlet/outlet Size	1		1 1/2		2			3	
水箱容量 Water Tank Capacity (L)	选配 Option								
水泵功率 Pump Power (HP)	选配 Option								
系统电源 Power Supply (V)	AC380V/3P/50HZ								
控制电源 Control Voltage (V)	AC220V1P								
电源线长度 Wires Length (M)	6M								
外观尺寸 Dimensions LxHxW(m)	0.8*0.5*1.1	0.8*0.5*1.1	1.2*0.6*1.25	1.2*0.6*1.3	1.55*0.6*1.3	1.8*0.6*1.3	1.95*0.6*1.3	2.4*0.75*1.3	2.4*0.75*1.3
机器重量 Weight (Kg)	110	150	220	250	300	450	500	600	760

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.



产品结构图

Product structure diagram



TSD Series Screw Dosers

螺杆式色母计量机TSD系列



特点

- ◆数位显示的微电脑控制器，可精确地计量色母及次料的添加比例。
- ◆采用直流无刷式马达，无需保养、寿命长、免维护。
- ◆模组化可拆卸式设计，可快速更换螺杆及套筒。
- ◆计量站可以从落料座拆除而不会漏料，在转接座侧边可视窗装置，容易观察原料。
- ◆具有50组配方存取功能，可快速调用启动机器。
- ◆入料底座采主要原料与色母分流设计，短时间内可迅速转换色母及主要原料，符合经济效益。
- ◆配合射出成型机使用时，色母自动计量机可设定计量时间的控制设计，可免除射出机因每模储料时间长短不一，而造成色母添加量不稳定之困扰。
- ◆有强制清料功能，方便更换色母。
- ◆可选配物料料位检测传感器，缺料报警提示。
- ◆可于挤出机主螺杆同步加、减速运行。

规格表 Specification sheet

机型 Model	单色色母机 Single Color Dosers						双色色母机 Double Color Dosers		
	TSD-3025	TSD-3020	TSD-3016	TSD-5025	TSD-5020	TSD-5016	TSD30xx-30xx	TSD30xx-50xx	TSD50xx-50xx
马达功率 Motor Power(W)	50	50	50	50	50	50	50×2	50×2	50×2
马达转速 Motor Speed(rpm)	3000	3000	3000	3000	3000	3000	3000	3000	3000
搅拌功率 Dosing Capacity(W)	90	90	90	90	90	90	90	90	90
螺杆直径 Screw Dia.	25	20	16	25	20	16	xx	xx	xx
输出量 Output Capacity(kg/h)	1.1-38	0.6-20	0.3-10	0.5-17	0.2-8	0.1-4	x	x	x
储料斗 Tank(L)	10	10	10	10	10	10	10×2	10×2	10×2
减速比 Gear Ratio	30	30	30	50	50	50	30/30	30/50	50/50
外形尺寸 Dimensions	H(m)	0.52	0.52	0.52	0.52	0.52	0.615	0.615	0.615
	W(m)	0.61	0.61	0.61	0.61	0.61	1.045	1.045	1.045
	D(m)	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
重量 Weight(kg)	15	15	15	15	15	15	33	33	33

◆以上输出量是以比重为1.2、直径为2-3mm的塑料粒子以连续运转的方式测得的数据，仅供参考。

◆XX表示螺杆直径可按客户要求定做。

◆X表示输出量由客户选择的型号而定，单色机的输出量数据仅供参考。

◆All the output capacity from above models is base on the data from density 1.2, Dia. 2-3mm master batch in test criteria of continuous running.

◆XX stands for the external dia. of the screw is up to clients model choice.

◆X means output capacity is depended on model that client select, data of single color doser can be a reference.

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

适用于新、次料、色母或添加剂等的自动比例混合。依据预先设定的比例混合，透过微电脑控制系统设定的条件自动演算出所需之转速(rpm)，计量精准，其误差值 $\pm 0.1\%$ 。该产品具备两种模式，分别适用于塑胶的注塑成型和挤出成型。螺杆直径分为16、20、25等多种，采用进口直流无刷马达，可演变出多种机型，提供0.1~200kg/hr的不同输出量供客户选择。另有双色、三色色母机，根据客户需求搭配，满足不同场合、不同领域使用。

Screw Dosers are extensively used for precise auto-proportional dosing & blending of virgin, regrind materials, masterbatch and other various additives. The microprocessor accurately controls rate of revolution of a motor for high precise metering with an accuracy of $\pm 0.1\%$ from set points. This series can be used on the differential applications with injection molding machines and extruders. A brushless DC motor is used for this series. The dosing screws are offered with various size: 16, 20 and 25 for developing diverse models with throughputs from 0.1~200kg/hr. TOPSTAR developed double-color & triple-color screw dosers according to customers' various demands which can be satisfied with diverse applications.

Features

- ◆ Digital microprocessor can process masterbatch & regrind material by metering accurate percentage.
- ◆ Using brushless DC motor features free from maintenance and long service life.
- ◆ Module dismantled design, easy for change screw and sleeve.
- ◆ The dosing unit is removed from discharging seat without material leakage, monitoring material level from the sight-see-through window on the side of transferred seat.
- ◆ 50 sets of parameter recipes are available for permanently recording and reading function, operating machines quickly without adjusting parameters again.
- ◆ Feeding base adopt different channels for material & masterbatch separately, easy change material & masterbatch within short time.
- ◆ Screw dosers can set metering time to avoid annoyance for unstable materbatch volume while working with injection molding machine because of different time for every cycle of metering.
- ◆ Forced material cleaning function is convenient to change masterbatch.
- ◆ Material level detection sensor is available as option, alarm for material shortage.
- ◆ It can operate with main screw of extruders acceleration and deceleration simultaneously.

TGB Series Gravimetric Blenders

重量式计量机TGB系列



特点

- ◆可设定原料之间的比例或百分比，操作简单方便。
- ◆精确稳定的连续运转。
- ◆在混合原料的同时，对下一批次原料进行称重计量。
- ◆自动调校补偿功能；在配料过程中，控制器能自动修正与预设值偏差。
- ◆可安装在机器上或机器旁边。
- ◆可同时控制多台称重式计量机（标准型）。
- ◆最多可同时处理六种原料。
- ◆可配合吸料机自动补料。
- ◆称重/体积生产模式增大配料能力。
- ◆所有与原料接触的部分都由不锈钢材料制成，防止原料被污染。
- ◆模组化可拆卸式设计，节省空间与清洁方便。
- ◆称重精度 $\pm 0.3\%$ 。

各型号输出量 Model Output Capacity

型号 Model	TGB-H	TGB-1	TGB-2	TGB-5	TGB-10	TGB-25
原料种类 Kinds of Material	2-4	2-4	2-6	2-6	2-7	2-10
最大输出量 Max. Output Capacity(KG/HR)	35-45	90-130	195-420	355-945	1200-1600	1500-2500

主要用于处理从2种到6种原料的定量称重计量和搅拌，包括新料、次料、色母和多种添加剂等进行称重计量和均匀搅拌混合。计量能力从5kgs/hr到1000kgs/hr。该系列产品采用高精度重量感测器使批次的混合配比误差(视设定配比比例大小而定)能控制在 $\pm 0.5\%$ 。型号齐全，可满足多种精度等级的混合要求。

Gravimetric Blenders are extensively configured to handle two of up to six different components by dosing & blending in total throughput from 5kgs/hr to 1000kgs/hr; generally including virgin, regrind materials, masterbatch and other various additives. The series adapts precision load cells to make batch blend resulting in a highly accuracy within $\pm 0.5\%$. (accurate tolerances are varied according to batch to batch blend ratio). Full wide range of this series can satisfy versatile requirements on high precision blending.

Features

- ◆ The next batch is weighted simultaneously while blending.
- ◆ The controller features with automatic feedback function which can compensate the differences from the presetting values automatically during the dosing cycle.
- ◆ All models can be mounted onto machines directly or can be put next to machines.
- ◆ This series is suitable as central blenders to control several machines (standard).
- ◆ The maximum 6 different materials can be processing simultaneously.
- ◆ Autoloaders are available for selections to convey material automatically.
- ◆ Gravimetric / Volumetric mode can increase throughput.
- ◆ All material contact surface are made of stainless steel to avoid material contamination.
- ◆ Module dismantle design can save space and easy cleaing.
- ◆ Gravimetric accuracy can reach $\pm 0.3\%$.
- ◆ Security password levels and alarm history record.
- ◆ The audio & light alarm can remind technicians to go to faulty machines immediately for solving malfunctions soon.

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

Mixers Series

混色机

主要用于塑胶粒与色母，新旧料混合，使不同塑胶混合均匀。整体内外不锈钢制作且抛光，不残留原料，清洗容易。设有电控安全保护装置，确保操作安全。此外针对客户不同之需求，提供完整不同型式之混合机系统—立式混合机，卧式混合机，滚桶式混合机等，以满足客户多元化之需求。

Mixers are extensively applied in plastic material mixing with masterbatch, virgin, regrind materials for homogeneous mixing. The internal & external surface of mixers are stainless and polish to ensure no residual materials for easy cleaning and are equipped with safety interlock protection devices for safe operation. The mixer series widely be provided with various types - vertical color mixers, horizontal color mixers and rotary color mixers according to customers' various demands which can be satisfied with diverse applications.

TVM Series Vertical Mixers

立式混色机TVM系列

立式混色机 大型立式搅拌机

Vertical Mixers, Large Vertical Mixers



多片立式桨叶，产生涡流全方位混合，混合力强，短时间内完成均匀混料，低耗能，高效率。采用进口垂直减速机马达，低噪音及持久耐用。占地面积少，脚轮装置移动方便。Vertical Color Mixers are equipped with vertical paddles form vortex to mix material fast and homogenous within short time, low power consumption, high efficiency. Vertical structure with castor wheels for easy moving, small footprint. To adapt imported vertical type of speed reduce motor features with low noise and durable in use.

特点

- ◆料桶采用进口不锈钢材料，焊接牢固耐用，表面光滑，清洗方便。
- ◆混合力强，短时间内完成均匀混料，低耗能，高效率。
- ◆占地面积少，脚轮装置移动方便。
- ◆台湾垂直减速机马达，确保噪音低及持久耐用。
- ◆机盖附有保护开关，操作绝对安全。
- ◆全密封设计，工作时无粉尘污染。
- ◆定时器可以选择混料时间从0 ~ 30 分。
- ◆桶盖、桶底称冲压成型，配合精确，更耐用。

Features

- ◆ Material Pail is made of stainless steel, well soldered result in durable service life, smooth surface is easy for cleaning.
- ◆ The mixing capacity is excellent which can finish mixing within short time with high efficiency, low consumption.
- ◆ Small footprint, castors device easy for movement.
- ◆ The Mixers employ vertical gear motor to ensure low noise and durable service life.
- ◆ Pail lid is equipped with safeguard switch for ensuring safety absolutely.
- ◆ Fully hermetic design ensures no dust contamination.
- ◆ Mixing time can be set from 0 ~ 30 minutes.
- ◆ Pail lid and bottom are pressed with precise matching, more durable.

规格表

Specification sheet

型号Model	TVM-25	TVM-50	TVM-100	TVM-150	TVM-200	TVM-300
混合量 Mixing Capacity(KG)	25	50	100	150	200	300
电机功率 Motor Power(KW)	0.75	1.5	3	4	5	7.5
电压 Voltage(V)	380	380	380	380	380	380
外型尺寸 Dimensions(m)	0.72*0.72*0.92	0.83*0.82*1.12	1.1*1.28	1.13*1.13*1.38	1.2*1.2*1.45	1.3*1.3*1.6
重量(KG)	80	125	170	250	450	550

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

THM Series Horizontal Mixer

卧式混色机THM系列

卧式混色机 大型卧式搅拌机 加热型卧式搅拌机

Horizontal Mixers, Large Horizontal Mixers, Heating Horizontal Mixers

卧式桨叶，叶片采用加厚不锈钢制作，与桶壁距离精密计算，拌料迅速、均匀。配用摆线针轮减速电机，噪音低，持久耐用。料桶可倾斜100°，方便卸料。

Horizontal paddles are made of added-thickness stainless steel, the distances to barrel wall are precisely calculated reasonable to make fast & homogenous mixing. All these models are equipped with speed reducer motors which feature with low noisy and durable service life. Barrel can be inclined to 100° for easy unloading.



特点

- ◆料桶及桨叶采用不锈钢材料制造，清洗容易，避免锈蚀。
- ◆连锁安全保护装置，确保操作者及机器设备的安全。
- ◆料桶可倾斜100度，方便卸料。
- ◆全密封设计，工作时无粉尘污染。

Features

- ◆Material Pail and paddles are made of stainless steel which are anti-rust and easy for cleaning.
- ◆Safety interlock device ensures safety for operators and machine.
- ◆Material pail can be tilted 100 degrees, easy and convenient discharging
- ◆Fully hermetic design ensures no dust contamination.

规格表 Specification Sheet

型号 Model	THM-100	THM-150	THM-200
混合量 Mixing Capacity(kg)	100	150	200
电机功率 Motor Power(kw)	2.2	2.2	4
电压 Voltage	380	380	380
外形尺寸 Dimensions(mm)	1240*800*1250	1440*900*1330	1580*1000*1380
重量 Weight(KG)	280	330	450

TRM Series Rotary Mixer

滚桶式混色机TRM系列

方位360° 旋转混合原料，短时间内完成均匀混料。进料、卸料，可以任意定位，操作方便。

Rotatable angle up to 360°, for easy operation with loading & unloading materials at arbitrary direction and the material in the barrel can be round stirred like swirl to be mixed equably within short time.



特点

- ◆料桶采用进口不锈钢材料，焊接牢固耐用，表面光滑，清洗方便。
- ◆搅拌桶360度全方位旋转，混合均匀。入料、出料任意定位，操作方便且安全。
- ◆桶内无搅拌桨设计，混合色粉清洗更方便。
- ◆定时器可以选择混料时间从0-30分。
- ◆采用网孔保护罩，结构合理、美观实用，确保操作安全。
- ◆全密封设计，工作时无粉尘污染。
- ◆定时器可以选择混料时间从0-30分。

Features

- ◆Material Pail is made of stainless steel; well soldered result in durable service life, smooth surface is easy for cleaning.
- ◆The material Pail can rotate 360 degree in all direction to ensure even mixing. Loading & unloading material are easy and safe since pail can locate at any degree
- ◆Inside barrel without paddles design is convenient to clean especially for color concentrate mixing.
- ◆Mixing time can be set from 0 ~ 30 minutes.
- ◆To adopt screen mesh protector, optimal structure, elegant appearance, safe operation.
- ◆Fully hermetic design ensures no dust contamination.
- ◆Mixing time can be set from 0 ~ 30 minutes.

规格表 Specification Sheet

型号 Model	混合量 Mixing Capacity (KG)	电机功率 Motor Power (KW)	电压 Voltage(V)	外型尺寸 Dimensions(m)	重量 (KG)
TRM-50	50	0.75	380	0.9*0.89*1.4	120
TRM-100	100	1.5	380	1.02*1.1*1.5	147

TLS Series Linear Vibrating Screeners

直线振动筛选机TLS系列



属于直线振动筛，筛选分级精度高、处理量大、效率高、耗能低、噪音小、筛网使用寿命长、结构简单易维修、全密封设计，工作时无粉尘散发污染的特点。将物料按照筛网的孔径范围分为2种或3种粗细等级，最高筛分目数325目，可根据客户之要求，筛分出多种不同粒度的物料，进而达到理想的筛分效果。

Linear Vibrating Screeners convey the materials forward at a straight line with these features, sieve grade with high accuracy, large throughput, high screen efficiency, lower power consumption, lower noise, long service life, easy maintenance, fully hermetic structure, no dust flying. It can be divided 2 or 3 sieve grades in accordance with the size of screen mesh, the highest screen mesh with 325. The different materials can be screened and graded the powders or granules with a high level accuracy according to the widest range of customers' requirements.

特点

- ◆适用于物料颗粒与粉末的分级及自动筛选。
- ◆筛网床面采用倾斜式，所采用之倾斜角度取出料和筛料的最佳效果。
- ◆换网快捷、清洗方便。
- ◆上装储料斗，用于独立使用。
- ◆筛网孔径标准配置有φ6、φ8，其他规格皆可可根据客户要求订做。
- ◆与原料接触部分为不锈钢材质，确保原料的精纯度不受污染。
- ◆全密封设计，工作时无粉尘污染。
- ◆机台重量轻，底座配有活动轮，移动方便。
- ◆各部件及规格均可按要求订做。

Features

- ◆All models are applicable for granules and powder screen automatically.
- ◆The screener bed with tilted design results in best & optimal effect for screened material and take-out material.
- ◆Change screen mesh easy and convenient cleaning.
- ◆Material hopper is equipped for independent use.
- ◆The size of screen mesh φ6、φ8 are standard.
- ◆Fully stainless steel structure ensures material free from contamination.
- ◆Fully hermetic design ensures no dust contamination.
- ◆Light weight and bottom is equipped with casters for convenient move.
- ◆Parts and special spec can be customized according to requirements.

规格表

Specification Sheet

型号 Model	TLS-1101	TLS-1102	TLS-1301	TLS-1302
马达功率 Motor Power(kW)	1/8	1/8	1/4	1/4
筛网尺寸 Screening Size	1170*415	1170*415	1300*415	1300*415
筛网层数 Screen layer	1	2	1	2
总体尺寸 Dimensions(L*W*H)(m)	1.42*0.7*1.57	1.52*0.7*1.57	1.6*0.7*1.57	1.65*0.7*1.6

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TPV Series Proportional Valves

两料比例阀TPV系列

主要用于新料，次料按所需比例互相混合，并由微电脑控制两料比例，以计时器之比例差作交换吸引，将次料依比例混入新料中，确保原料输送过程顺畅及避免原料在输送过程中再次污染，本装置可减少人工成本并且减少资源浪费，从而降低成本。

Proportional Valves are mainly used for mixing virgin & regrind materials in a proper proportion which controlled by microcontroller & differential proportion of timer to ensure loading smoothly and eliminate the possibility of cross contamination during conveying. This device can reduce labor cost and raw material cost.

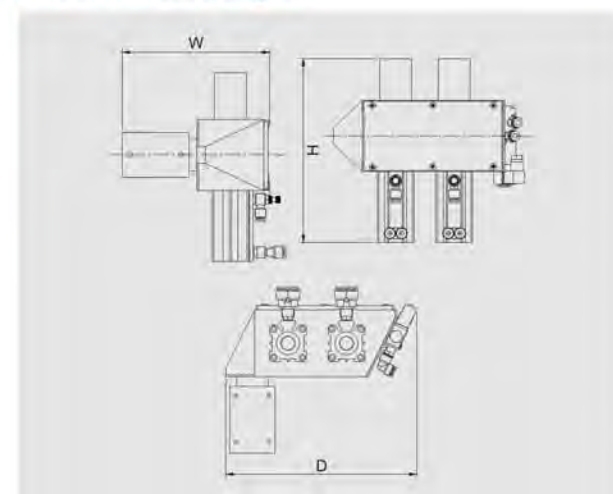
特点

- ◆外形美观，安装方便，操作简单。
- ◆电磁阀性能稳定，气缸动作准确，确保准确的混料比例。
- ◆特有的阀体设计，使物料的输送更加畅通。
- ◆搭配吸料机使用时，无需订购独立控制。
- ◆和粉碎机立即回收使用时可减少成本支出。
- ◆新旧料比例，可以任意按所需比例调整。
- ◆在其他使用场合时，可提供控制箱搭配使用。

Features

- ◆Exquisite appearance, easy installation and operation.
- ◆The performance of solenoid valve is so stable to make air cylinder acting accurately in order to ensure the proportional mixing of virgin and regrind materials.
- ◆Vale body with unique design make material conveying more smoothly.
- ◆No need control box when working with hopper loaders.
- ◆It can reduce the production cost when working with instant recycling the regrind material from granulators.
- ◆Virgin and regrind material can be adjusted according to requirements.
- ◆Control box is available as option when working with other situations.

产品结构图 Product Structure Diagram



规格表 Specification Sheet

产品型号 Model		TPV-40V	TPV-50V
驱动力 Driven Force	Kgf/cm ²	3~6	3~6
驱动方式 Driven Means		气缸 Cylinders	气缸 Cylinders
控制电压 Control Voltage	V	AC220V/DC24V	
工作电压 Working Voltage	V	24V	
最大输送量 Max. Conveying Capacity	Kg / h	330	500
配管口径 Pipe Size	MM	38.1	50.8
总功率 Total Power	W	30	
外观尺寸 Dimensions	H(M)	0.22	0.22
	W(M)	0.133	0.133
	D(M)	0.205	0.205
机器重量 Weight	KG	2	2.2
搭配机型 Option Machine		料斗 Hopper Receiver	

注：产品规格若有变更，恕不另行通知
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TGL Series Low Speed Sound-Proof Granulators

慢速静音粉碎机TGL系列

属于无筛网型塑胶回收粉碎机。25~30rpm低速运转，齿啃式刀具设计，专门设计用于粉碎各类硬性及脆脆塑胶之不良产品，次品的机边粉碎回收利用；尤其适合粉碎回收PC、尼龙、ABS等硬质水口料。具有转速低，扭矩大，噪音低，产生粉尘少，操作简便的优点，而且具备产品粉碎颗粒均匀，粉碎效果极佳，设备运转中无过热现象，使用寿命长等特点。

As Low Speed Sound-Proof Granulators are non-mesh slow speed plastic recycling units with 25~30 rpm which specially designed with teeth cutters for crushing various defective products made of rigid plastics and brittle plastics such as PC, nylon, ABS and so on. All these models are characterized with low speed & high torque, low noise, less powder pollution, easy operation, granulating in even, no-overheating in operation and long service life.



粉碎室
Crushing Room



正压鼓风机
Blower



比例阀
Proportional Valve



不锈钢储料桶
Storage Tank



旋风集尘器
Cyclone Dust Collector

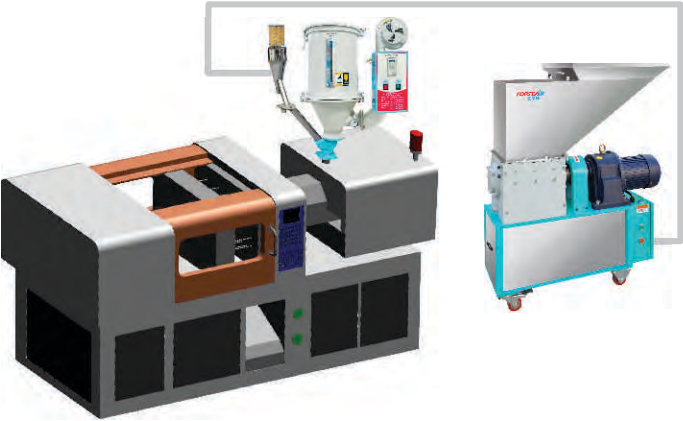
特点

- ◆无筛网设计，碎料均匀粉末少。
- ◆结构合理，小巧占用空间小，适合狭小空间机台旁使用。
- ◆刀具材质采用优质SKD-11（选配），经久耐用。
- ◆30S立即回收可减少对水口料的湿化、氧化等破坏。
- ◆25~30RPM低速运转，省电，无噪音公害。
- ◆中空轴型齿轮减速机驱动，无需加油节省空间。
- ◆本系列粉碎机适合回收PC,PBT,ABS,尼龙等硬质水口料。

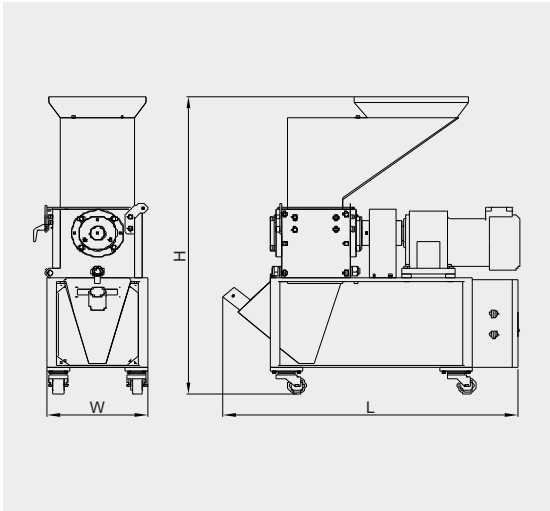
Feature

- ◆Non - mesh screen design ,well-proportioned granules and less powder pollution.
- ◆Optimized structure of machine with small footprint which is especially suitable for the limited space of workshop to use.
- ◆Both rotor blades and fixed blades are made of SKD-11(option) with long service life.
- ◆30 sec instant recycling system to keep regrind material free from color changing by oxidation or damping .
- ◆Low speed at 25~30 rpm, power saving , less noise.
- ◆This unit is driven by shaft gear-motor, no need oil.
- ◆This series is suitable for granulating rigid & brittle resins -PC, PBT, ABS, Nylon etc.

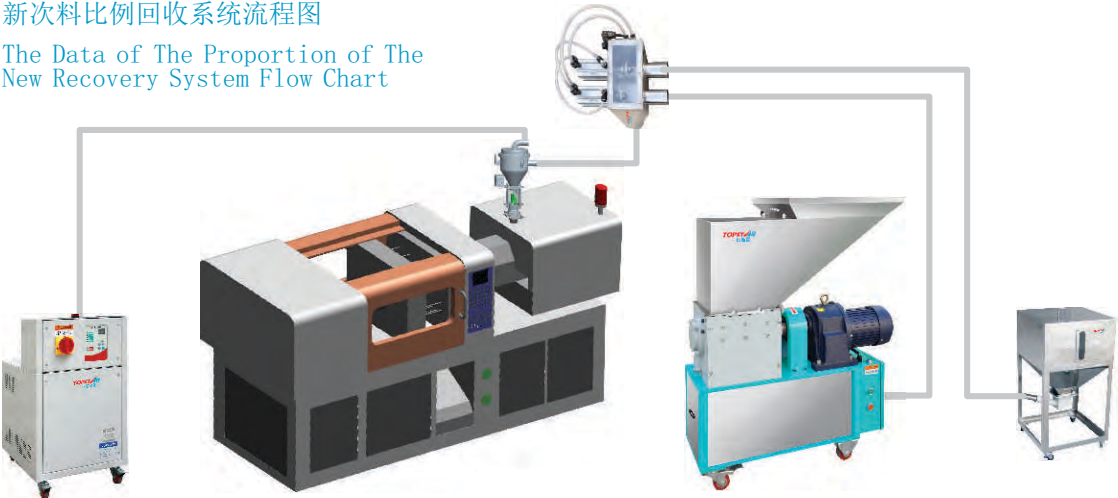
吹料式回收系统流程图
Blown Material Type Recovery
System Flowchart



产品结构图
Product Structure Diagram



新次料比例回收系统流程图
The Data of The Proportion of The
New Recovery System Flow Chart



规格表 Specification Sheet

产品型号 Model	TGL- 2316SB	TGL- 2316SM	TGL- 2316SS	TGL- 2316SF	TGL- 2325SB	TGL- 2325SM	TGL- 2325SS	TGL- 2325SF	TGL- 2334SB	TGL- 2334SM	TGL- 2334SS	TGL- 2334SF
粉碎口径 Crushing Chamber (mm)	230x165				230x255				230x345			
粉碎能力 Crushing Ability (Kg/h)	15~25				20~35				35~50			
主轴转速 Revolutions (r/min)	29~35				29~35				29~35			
刀具结构形式 Cutter Type	爪刀Claw+滚刀Rotary				爪刀Claw+滚刀Rotary				爪刀Claw+滚刀Rotary			
旋转刀数量 Rotating Blades	爪刀1件One Claw+滚刀2件Two Rotary				爪刀2件Two Claw+滚刀3件Three Rotary				爪刀3件Three Claw+滚刀4件Four Rotary			
固定刀数量 Fixed Blades	4				6				8			
马达功率 Motor Power (HP)	1				2				3			
机器总功率 Total Power (KW)	0.75	1.2	0.75	0.75	1.5	1.9	1.5	1.5	2.2	2.6	2.2	2.2
电源线规格 Wires Specifications (mm ²)	4×1.5											
电源线长度 Wires Length (m)	6											
噪音 Noise Level (dB)	50											
碎料回收方式 Crushing Recycle Type	料箱式 Box	吹料式 Blow	吸料式 Suction	漏斗型 Funnel	料箱式 Box	吹料式 Blow	吸料式 Suction	漏斗型 Funnel	料箱式 Box	吹料式 Blow	吸料式 Suction	漏斗型 Funnel
外形尺寸 imensions LxHxW(m)	0.87*1.01*0.31	0.87*1.01*0.31	0.91*1.01*0.31	0.76*1.51*0.31	1.09*1.05*0.31	1*1.05*0.31	1.09*1.05*0.31	0.94*1.55*0.31	1.26*1.19*0.37	1.14*1.19*0.37	1.24*1.19*0.37	1.11*1.69*0.37
重量 Weight(Kg)	140				200				260			

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TGM Series Middle Speed Granulators

中速粉碎机TGM系列



中速粉碎机适用于水口料之粉碎再利用，专门设计能粉碎较硬的工程塑胶，又可粉碎较软的通用塑胶。适中的转速将粉屑、噪音的产生及刀具磨损降到最低点，动刀与定刀都采用SKD-11材质，使用寿命长。具有粉尘少、低噪音、低能耗，操作简便，性能优异的优点，并且设置多种安全保护装置，确保操作安全。

Middle Speed Granulators are mainly used for crushing regrind materials to recycle and specially designed not only for rigid engineering plastics but also for soft plastics. The proper speed rotation results in less powder, less noise, and low-wear of cutters. Both rotor blades and fixed blades are made of SKD-11 with long service life. All these models are characterized with less powder pollution, low noise, low power consumption, easy operation and superiority function. They are equipped with multiple safety protection devices for ensuring safety operation.

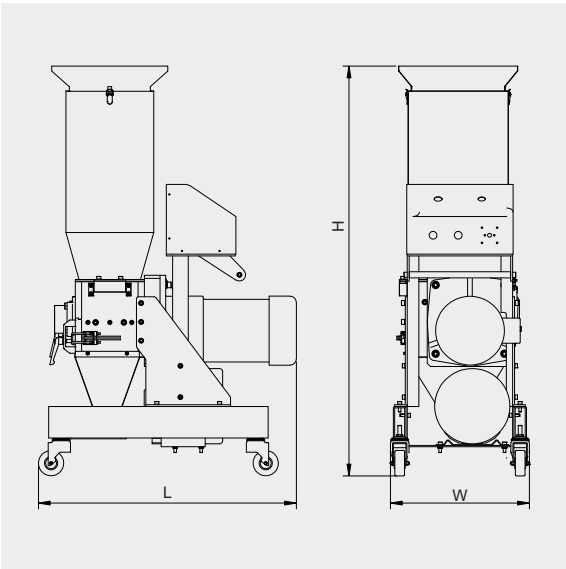
特点

- ◆ 投料斗采用双层不锈钢结构，美观坚固，隔音效果优秀。
- ◆ 粉尘少、低噪音、低能耗。
- ◆ 高品质的粉碎颗粒，低转速特制减速马达 (150r/min)。
- ◆ 刀具材质采用优质SKD-11（选配），经久耐用。
- ◆ 快速换刀与快速更换筛网设计，维修与保养非常简便。
- ◆ 能粉碎较硬的工程塑料，又可粉碎较软的通用塑料。
- ◆ 安全防护装置完善，性能稳定可靠。

Feature

- ◆ Feeding hopper employs double layers of stainless steel with superior sound-proof, durable structure & excellent appearance.
- ◆ Less powder, low noise, low consumption.
- ◆ This unit is driven by low speed motor (150 rpm). It can granulate detective parts into well-proportioned granules.
- ◆ Blades are made of SKD-11(option) with long service life.
- ◆ Rapid changing blades & screen design, easy maintenance.
- ◆ It is not only suitable for granulating rigid engineering plastics but also soft plastics.

产品结构图
Product Structure Diagram



规格表
Specification Sheet

产品型号 Model	TGM-2718CB	TGM-2718CS	TGM-2718CM	TGM-2718CF
粉碎口径 Crushing Chamber (mm)	275x180			
粉碎能力 Crushing Ability (Kg/h)	35~40			
主轴转速 Revolutions (r/min)	140~150			
刀具结构形式 Cutter Type	爪刀Claw+筛网Screen Netting			
旋转刀数量 Rotating Blades	18			
筛网孔径 Screen Netting Size	Φ6 Φ8 Φ10			
马达功率 Motor Power (HP)	3			
机器总功率 Total Power (KW)	2.2	2.6	2.2	
电源线规格 Wires Specifications (mm2)	4×1.5			
电源线长度 Wires Length (m)	6			
碎料回收方式 Crushing Recycle Type	料箱式Box	吸料式Suction	吹料式Blow	漏斗式Funnel
噪音 Noise Level (dB)	70			
外形尺寸 Dimensions LxHxW(m)	0.85*1.4*0.44	0.85*1.31*0.44	0.82*1.31*0.44	0.82*1.81*0.44
机器重量 Weight (Kg)	260			

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice.

TGP Series Powerful Granulators

强力型粉碎机TGP系列

强力型片刀粉碎机 强力型爪刀粉碎机

Powerful Flake-Blade Granulators, Powerful Claw-Blade Granulators



特别适用于各类硬性塑胶之粉碎再利用，效果更佳。刀架优化设计，又分为片刀型，爪刀型和平刀型。爪型刀可分散受力度，使得每片刀的剪切加大，尤其适合厚件产品及大块胶头，硬质料块等，有效的提高了刀具切削力、减少刀具磨损。设有电控安全设计，多项安全保护装置，确保操作安全。

Powerful Sound - Proof Granulators are specially designed for crushing various rigid plastics to recycle with high-efficiency. Superior cutter design has 3 types - flake, flat and claw type. Claw cutter has the characteristics of scattering force even to make each blade giving strong shearing force to reduce cutter wear, especially are suitable for hard & thick products cutting. The granulators are specially designed with multiple electricity safety devices to ensure safety protection.

特点

- ◆ 适合粉碎大块的各种材质形状的不良品,可集中粉碎回收。
- ◆ 马达附有负荷保护装置,并有电源连锁保护系统,附有清洁刀具保护装置操作、清洗绝对安全;确保维护人员的安全。
- ◆ 刀具材质采用进口优质SKD-11 (选配) 经久耐用。
- ◆ 筛网孔径10HP& 以下标准配置为8MM, 15HP & 以上标准配置为10MM,其他规格可接受订做。
- ◆ 设计独特, 马力最小, 效率却佳,并备有双层消音设备, 噪音低。
- ◆ 粉碎透明料和白色料时, 进料斗和筛网需订做不锈钢, 以免在粉碎时油漆脱落,污染原料影响颜色。
- ◆ 易拆式设计: 进料斗, 碎料刀, 过滤网均可拆卸, 易清洗。

规格表

Specification Sheet

型号 Model	TGP-2320	TGP-3020-Z	TGP-3727-Z	TGP-5129-Z	TGP-5129-U-Z	TGP-6532-Z	TGP-8047	TGP-9660	TGP-9660-U
马达功率 Motor Capacity HP/KW	5HP/4KW	7.5HP/5.5KW	10HP/7.5KW	15HP/11KW	20HP/15KW	30HP/22KW	50HP/37KW	75HP/55KW	100HP/75KW
进料口尺寸 Feeding Port Size MM	230*200	300*200	370*270	510*290	510*290	650*320	800*470	960*600	960*600
粉碎刀片尺寸 Blade Size MM	220*φ200	300*φ200	370*φ270	500*φ290	500*φ290	640*φ320	790*φ470	950*φ600	950*φ600
粉碎能力 Crushing Ability KG/HR	150-200	200-300	250-400	350-600	450-700	800-1000	1100-1300	1400-1800	1600-1800
外部尺寸 Dimensions (m)	0.64*0.9*1.1	0.77*1.1*1.26	0.87*1.1*1.4	1.03*1.4*1.5	1.03*1.4*1.5	1.4*2*1.8	2.1*1.49*2.23	2.15*1.76*2.83	2.15*1.76*2.83
重量 Weight KG	290	450	550	850	950	1800	2000	3000	3600

备注: Z表示爪刀 Note: Z means claw type

注: 产品规格若有变更, 恕不另行通知 We reserve right to change specifications without prior notice.

TGP Series Powerful Sound - Proof Granulators

强力静音粉碎机TGP系列



料斗采用双层结构, 减少噪音, 使得设备具有良好的安全性及环保性, 省电耐用。结构合理, 操作方便, 可掀式设计, 方便维修与保养。全封闭静音设计, 机台周围1米范围外噪音在75分贝以下, 提供良好工作环境。另外提供强力粉碎机供客户选择。

Double sound isolation for low noise level; optimal structure for easy operation; openable design for easy maintenance. Fully hermetic sound-proof design provides excellent working environment result in noise level below 75db under the condition which measures it within one meter away from the machines. In addition, powerful granulators are available for customers'

特点

- ◆ 全封闭静音设计, 机台周围1米范围外噪音在75db以下, 同时避免了粉尘污染。
- ◆ 不锈钢储料箱清洗快速, 方便, 也可选配吸料口型不锈钢储料箱。
- ◆ 马达超载保护装置, 紧急安全开关装置。
- ◆ 配有相序控制器, 可防止因电机反转所造成的不良后果。
- ◆ 装有电源隔离开关, 维修、操作更加方便、安全。
- ◆ 静音型粉碎机, 可供集中粉碎和随机粉碎使用。
- ◆ 独特设计内部散热系统, 在全封闭下, 将电机所产生的热量排出机外, 延长电机使用寿命。
- ◆ 活动不锈钢料斗、手柄开关等人性化设计, 操作方便。

规格表

Specification Sheet

型号 Model	TGP-2320Q	TGP-4127Q	TGP-5232Q	TGP-6234Q	TGP-8148Q
粉碎口径 Crushing Chamber (mm)	230*200	410*270	520*320	620*340	815*480
粉碎能力 Crushing Ability (kg/h)	100-150	200-250	300-350	350-450	450-600
固定刀 Fixed Cutters	2	2	2	4	4
旋转刀 Rotary Cutters	6	12	15	18	24
功率 Power (kw/hp)	4/5	7.5/10	11/15	15/20	22/30
外型尺寸 Dimensions (L*W*H) (m)	1*0.72*1.49	1.18*0.93*1.7	1.3*1.06*1.96	1.35*1.16*2.13	1.85*1.54*2.68
重量 Weight (kg)	500	800	1100	1350	2250

注: 产品规格若有变更, 恕不另行通知 We reserve right to change specifications without prior notice.