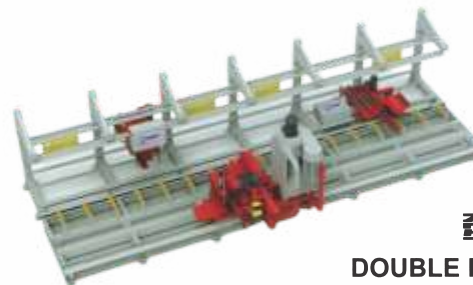


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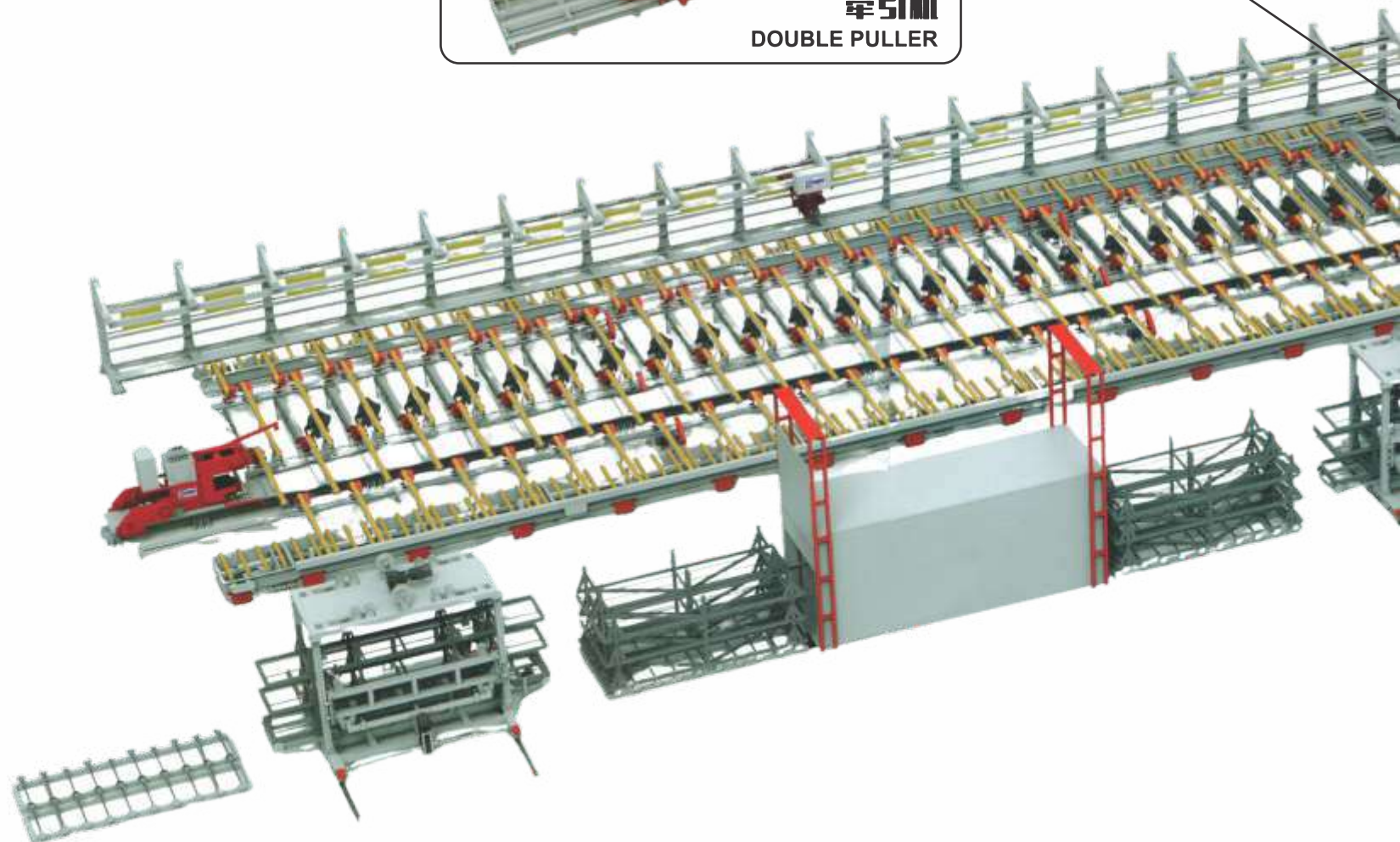
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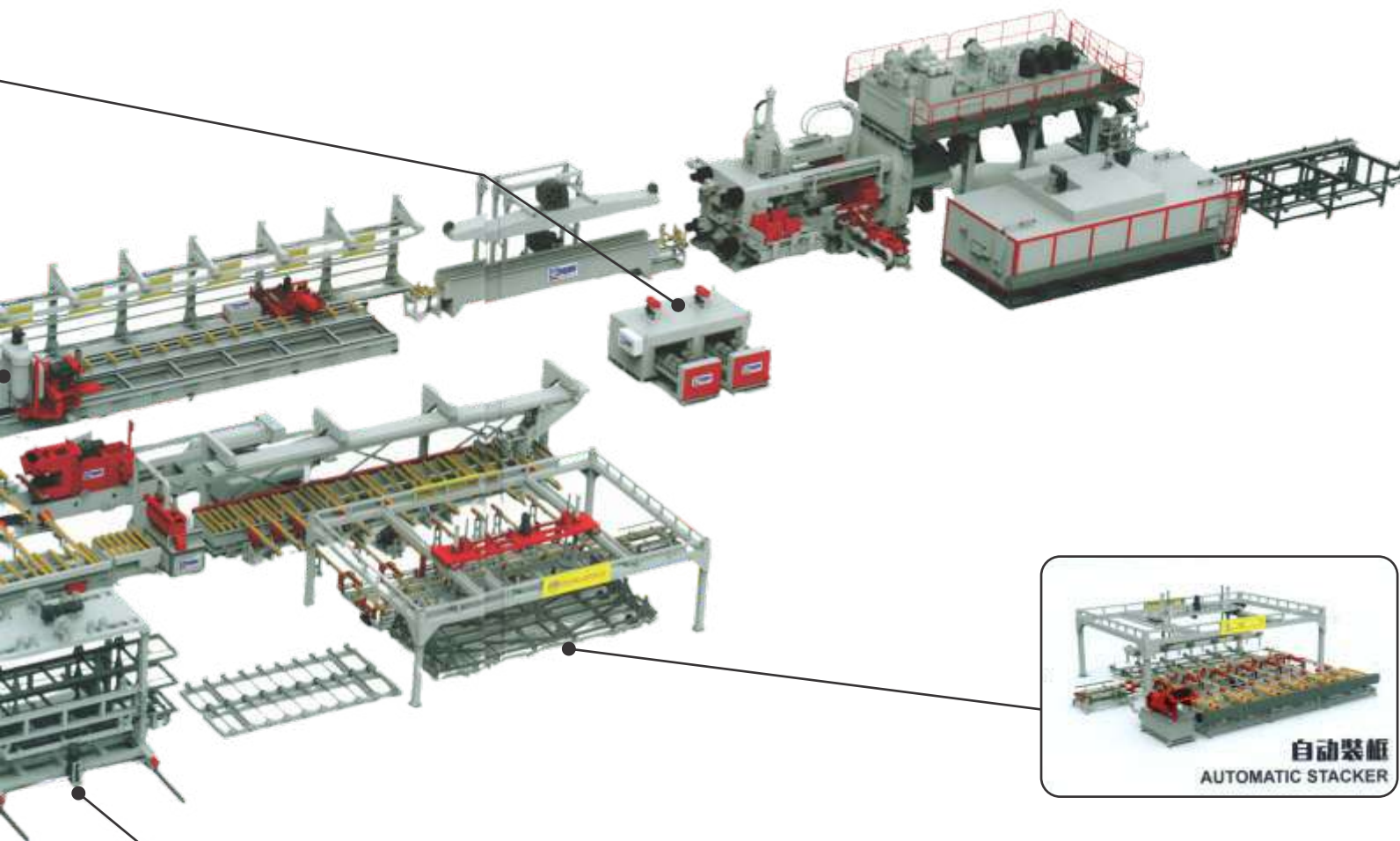


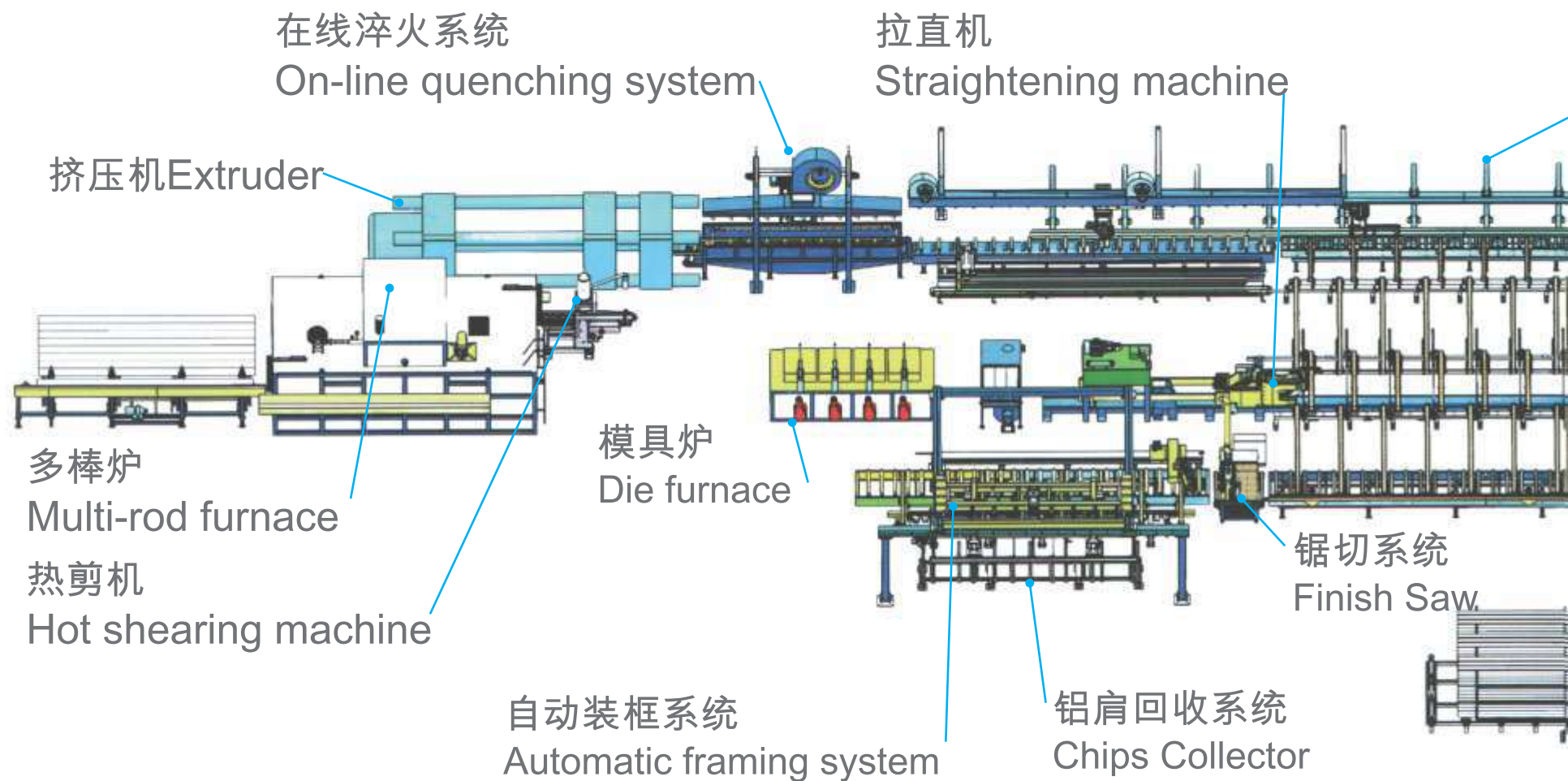
牵引机
DOUBLE PULLER



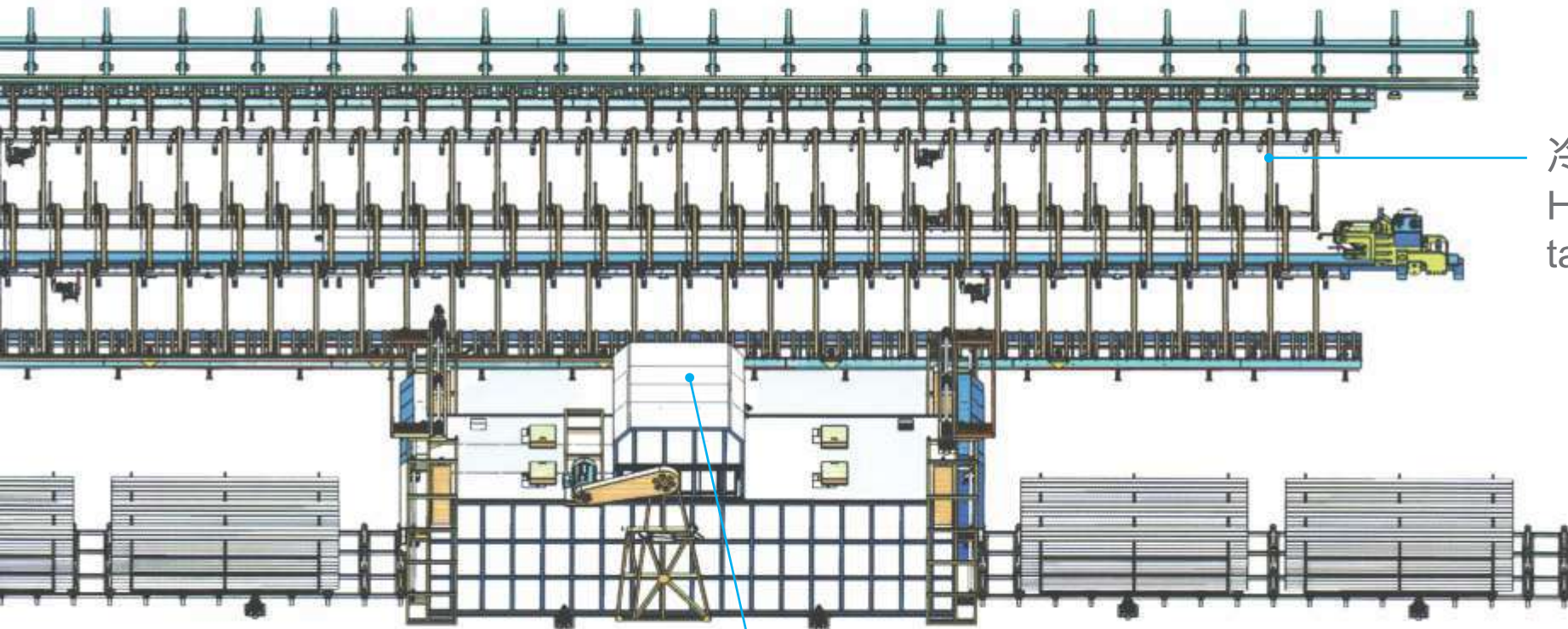
模具炉
DIE OVEN







牵引机
Puller



冷床
H
table

时效炉
Aging furnace

PRODUCTION WORKSHOP

生产车间



SEAMLESS WELDED OIL PIPE

无缝焊接油管



Semi-automatic multi-rod hot shear furnace

半自动多棒热剪炉

半自动多棒热剪炉是集热工、机械、自动化控制、液压于一体的加热设备、适用于铝型材生产企业与挤压机配套的生产线。使用液化气或者天然气进行强化喷射加热，配合液压热剪切等多项新技术组合。

- 与传统多棒热剪炉的能耗相比,节约燃气40%;
- 采用国外先进的比例控制燃烧系统;
- 利用余热再次循环加热,降低能耗。



Single long rod hot shear furnace

单支长棒热剪炉

单支喷射式长棒加热炉、热剪生产线是集热工、机械、自动化控制为一体的铝挤压加热设备。使用液化气或者天然气进行强化喷射加热,配合液压热剪切等多项新技术组合。

- 与传统多棒热剪炉的能耗相比,节约燃气40%;
- 采用国外先进的比例控制燃烧系统;
- 利用余热再次循环加热,降低能耗。



Automatic conveying platform

自动输送平台



Aging furnace 时效炉

- 循环风机采用变频控制,带无纸记录仪;
- 用变频控制,启动时有软启动功能,减小电流,运行时可根据负荷调节转速,达到节电15%-30%;
- 无纸记录仪,可将生产过程中实时温度记录并储存,最长可达一年之久,历史数据可回查;并可用U盘拷贝至电脑,形成生产报表。



Infrared mould heating furnace 红外线模具加热炉

红外线模具加热炉的热源是采用碳棒电热丝,特点:高效节能。

在碳棒电热丝后面安装有红外线辐射板,它可以有效地把热量反射给炉膛,辐射板、碳棒电热丝主成一套红外线加热体,是将热量以电磁能的形式往炉膛辐射,模具吸收并将电磁能又转换成热能的一种加热方式。

模具框是采用不锈钢删格结构设计,具有良好的机械强度,又具有良好的通风和通光效果。

这种加热是一种理想的模具加热方式,在加热过程中减少模具的热应力和温度上下波动而产生的热疲劳,还减少模具易氧化产生晶粒粗大及氧化脱碳等问题。



CONTROL ELECTRICAL PART

控制电气部分



HYDRAULIC PART

液压部分



OIL COOLING MACHINE

油冷机







2500T铝型材自动生产整线

2500t Aluminum Profile Automatically Whole Production Line

产品型号 Press models					
型号 Model No.	行程 Stroke	铝棒直径 Billet dia	常规铝棒尺寸 Standard billet size	常规模具尺寸 Standard die size	常规出料口尺寸 Standard profile exit size
780T	长行程 Long stroke	4 inches	Ø 100 * 580mm	Ø 220 * 206mm	Ø 130 * 150mm
800T	长行程 Long stroke	4.5 inches	Ø 115 * 600mm	Ø 220 * 206mm	Ø 140 * 160mm
1100T	长行程 Long stroke	5 inches	Ø 127 * 720mm	Ø 280 * 280mm	Ø 160 * 200mm
1250T	长行程 Long stroke	5 inches	Ø 135 * 800mm	Ø 300 * 280mm	Ø 170 * 210mm
1450T	长行程 Long stroke	6 inches	Ø 152 * 900mm	Ø 350 * 340mm	Ø 220 * 260mm
1650T	长行程 Long stroke	7 inches	Ø 178 * 900mm	Ø 380 * 380mm	Ø 240 * 280mm
1800T	长行程 Long stroke	7 inches	Ø 178 * 1100mm	Ø 400 * 400mm	Ø 240 * 280mm
2000T	长行程 Long stroke	8 inches	Ø 203 * 1100mm	Ø 420 * 400mm	Ø 270 * 320mm
2200T	长行程 Long stroke	8 inches	Ø 228 * 1200mm	Ø 440 * 420mm	Ø 270 * 320mm
2500T	长行程 Long stroke	9 inches	Ø 203 * 1100mm	Ø 480 * 520mm	Ø 335 * 420mm
2750T	长行程 Long stroke	10 inches	Ø 254 * 1300mm	Ø 560 * 560mm	Ø 360 * 450mm
3300T	长行程 Long stroke	11 inches	Ø 278 * 1300mm	Ø 590 * 560mm	Ø 360 * 450mm
3600T	长行程 Long stroke	12 inches	Ø 305 * 1300mm	Ø 680 * 680mm	Ø 370 * 450mm
4000T	长行程 Long stroke	12 inches	Ø 305 * 1300mm	Ø 700 * 700mm	Ø 387 * 477mm
4500T	长行程 Long stroke	13 inches	Ø 330 * 1400mm	Ø 700 * 700mm	Ø 405 * 495mm
5000T	长行程 Long stroke	14 inches	Ø 335 * 1400mm	Ø 720 * 720mm	Ø 447 * 560mm
5500T	长行程 Long stroke	15 inches	Ø 380 * 1500mm	Ø 800 * 800mm	Ø 482 * 600mm
6500T	长行程 Long stroke	16 inches	Ø 406 * 1600mm	Ø 900 * 850mm	Ø 520 * 640mm
7500T	长行程 Long stroke	17 inches	Ø 430 * 1700mm	Ø 1000 * 950mm	Ø 542 * 660mm

1000T-1300T 三头重型智能伺服牵引机

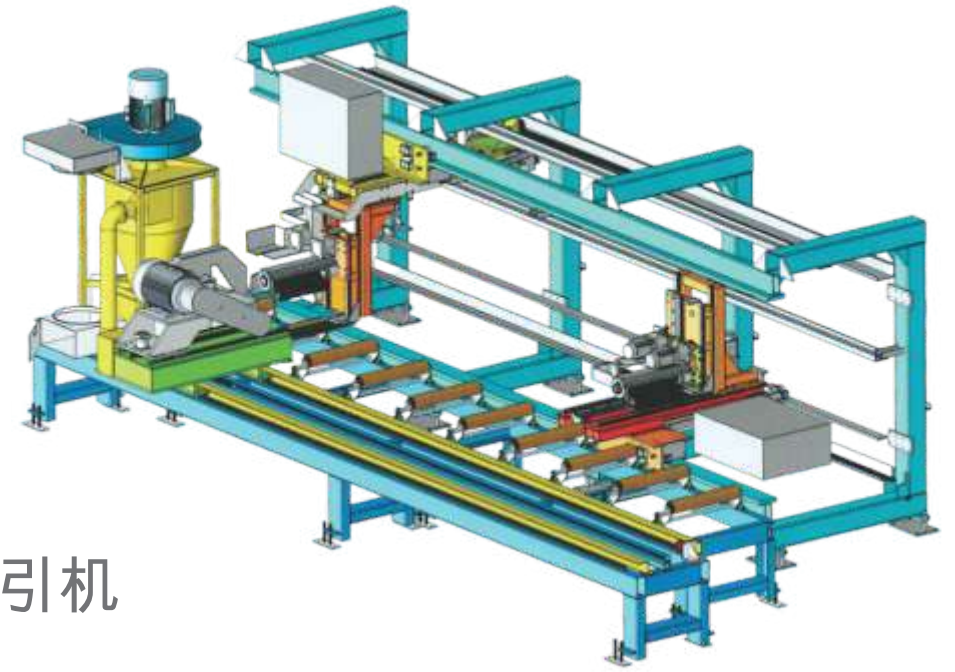
1000T-1300T Three-head heavy-duty intelligent servo traction machine



3000T 重型双头牵引机

3000T Heavy duty double-traction machine





Aluminum Profile Intelligent Puller | 智能牵引机 Description | 说明

铝材智能牵引机是一种特别为铝材挤压生产过程设计的辅助设备。它运用了多种先进技术,例如伺服系统控制,以确保铝材在生产后能够稳定地沿直线轨道以恒定速度移动。

这样可以避免铝材在加工过程中出现质量问题,如扭曲、弯曲或波浪形状。铝型材智能牵引机还可以防止薄壁型材和复杂型材在生产中相互摩擦或缠绕,从而避免长短不一的问题,提高成品质量和生产效率。牵引机根据其功能和性能的不同,可以分为多种类型,如三头交替式牵引机、双头双锯牵引机、交接式双牵引机、单牵引机等。

The Aluminum Profile Intelligent Puller is an auxiliary device specifically designed for aluminum extrusion production lines. It incorporates advanced technologies such as servo control systems to ensure stable linear movement of extruded aluminum profiles at constant speeds.

This equipment prevents quality defects during processing including twisting, bending or wave distortions. The intelligent pulling system also avoids mutual friction or entanglement between thin-walled and complex profiles, eliminating length inconsistencies while improving product quality and production efficiency. Based on functionality and performance, pullers can be classified into several types; Three-head alternating puller, Double-head Double-saw Puller, Hand-over-hand dual puller, Single puller.

调直机 Stretcher

调直机分类为:双人操作、单人操作、全自动无人操作。

主要技术参数(根据客户需求定制)

吨位涵括: 15T-600T

调直行程: 600-1500mm

The straightening machine is classified as : double person operation.

single person operation, and fully automatic unmanned operation.

Main technical parameters (customized according to customer needs)

WEIGHT : 15T-600T

TRIP : 600-1500MM

Main characteristics of high-performance straightening machine:

The entire machine function is intelligently controlled through PLC;

One click operation action automatically completed;

Stretch according to length, tension, and proportion;

Intelligent storage of material straightening process at that time, one click call;

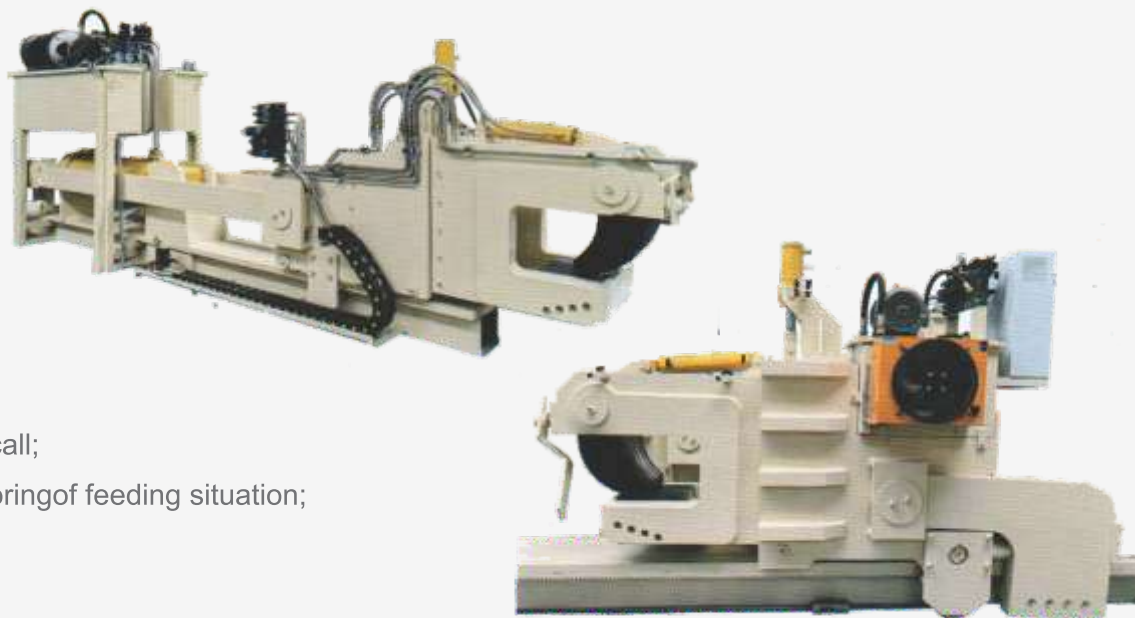
Automatic lifting and feeding device for front and rear jaws; Camera monitoring of feeding situation;

Efficient hydraulic control; Efficient and energy-saving;

Self diagnosis of faults and easy maintenance.

高性能调直机主要特点:

- ❑ 整机功能通过PLC智能控制;
- ❑ 一键式操作动作自动完成;
- ❑ 按长度拉伸、按拉力拉伸、按比例拉伸;
- ❑ 智能储存当时材料调直工艺,一键调用;
- ❑ 前后钳口带自动升降上料装置摄像头监控上料情况;
- ❑ 高效的液压控制;高效节能;
- ❑ 故障自我诊断,简易维护。



时效炉 Mold furnace

应用了新高均温技术,高风量循环风,采用PID自动控温,高精度执行最优铝型时效工艺曲线。

主要特点:

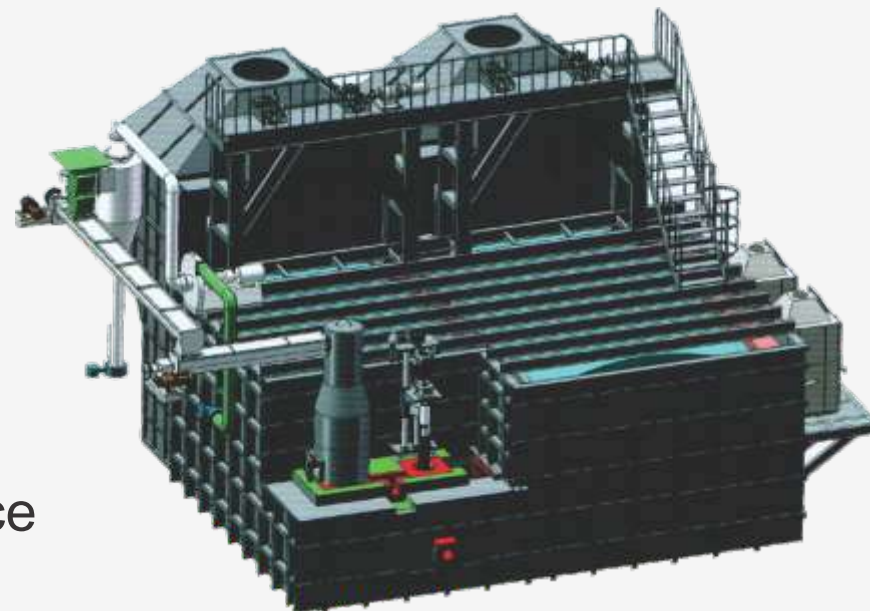
- ❑ 升温快;
- ❑ 能耗低温度控制精准;
- ❑ 温差 ± 3 度;
- ❑ 操作简单;
- ❑ 安全稳定性好。

New high average temperature technology has been applied, with high air circulation and PID auto-matic temperature control, Execute the optimal aluminum mold aging process curve with high precision.

Main features:

Fast heating up;
Low energy consumption and precise temperature control;
Temperature difference + 3 degrees.
Good safety and stability;





双室侧井熔铝炉

Double chamber side well aluminum melting furnace

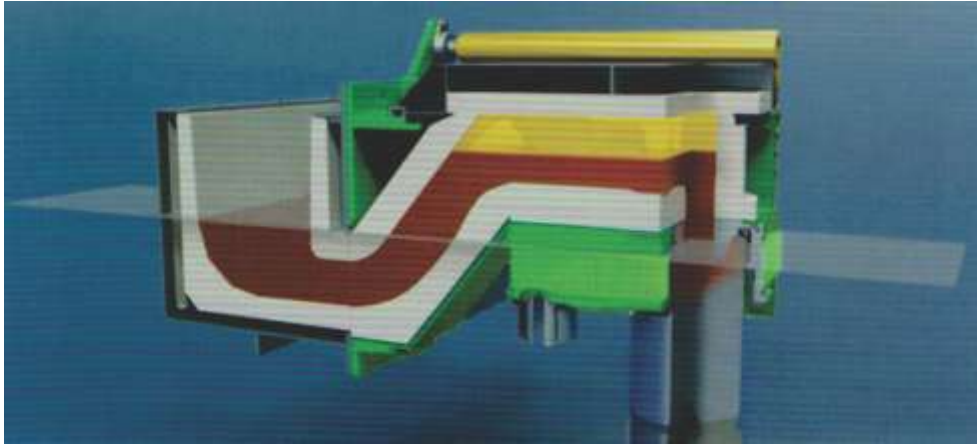
设备技术参数 Technical parameters of equipment:

★ 用途:依靠铝水机械泵,循环双室炉高温铝水,熔化轻薄破碎料,降低废铝烧损,提高出水率;降低炉门开启次数,节约能耗;均匀铝液成分、增强铝水热传导。

Usage: Relying on aluminum water mechanical pump, circulating high-temperature aluminum water in double chamber furnace, melting light and thin crushed materials, reducing waste aluminum burning loss, and improving water yield; Reduce the number of furnace door openings and save energy consumption; Unify the composition of aluminum liquid and enhance its thermal conductivity.

- | | |
|---------------------------------------|---|
| ★ 设计容量:20~100吨。 | ★ Design capacity : 20 ~ 100t. |
| ★ 熔化速度:1~10吨/小时。 | ★ Melting speed : 1~10t/hour. |
| ★ 常规配置:蓄热式燃烧系统和铝液机械泵。 | ★ Conventional configuration: regenerative combustion system and aluminum liquid mechanical pump. |
| ★ 选配设备:废铝自动输送设备和VOCs废气焚烧设备,进一步节约节约能源。 | ★ Optional equipment : waste aluminum automatic conveying equipment and VOCs waste gas incineration equipment, further saving energy. |

Excellent Safety Performance



- ◆ During the stable casting period, the Negative Pressure Casting (NPC) system adopts the siphon principle to ensure that the height of the liquid level in the Model is consistent with the height of the liquid level in the launder.
- ◆ In an emergency situation where liquid aluminum leakage occurs, the siphon phenomenon becomes invalid and the liquid aluminum in the launder cannot continuously enter into the molds.
- ◆ Rather than relying on electrical systems or human protection, this design truly uses physical phenomenon to prevent a large amount of aluminum leakage, and truly improves safety to a higher level.





The casting cylinder adopts a suspended piston type

- ◆ In the case of power failure, the cylinder drops at a stable speed by relying on the weight of the equipment on the top and the weight of piston rod itself. It avoids the solidification of a large amount of liquid aluminum in the casting table during such an emergency situation.

The casting machine is also equipped with an anti-fall device.

It prevents the aluminum billets from falling down during the rising of the piston rod.

Product Introduction
产品介绍

Bolster & LM
博斯特融创



Rectangular Furnace
矩形单炉

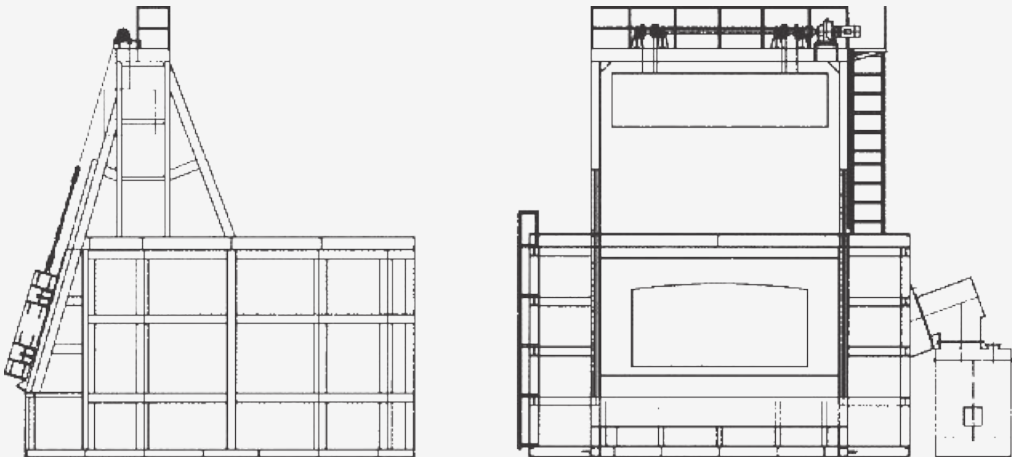
- ◆ The most commonly used Al. melting furnace & holding furnace.
般用于熔炼炉和调配保温炉。

Rectangular furnace body, easy to feed.
矩型炉体,投料方便。

Advantage: Simple structure, Flexible, Good adaptability.
优点:结构简单,灵活变化,适应性强。



Model 型号: 10T 15T 20T 25T 35T 45T 50T

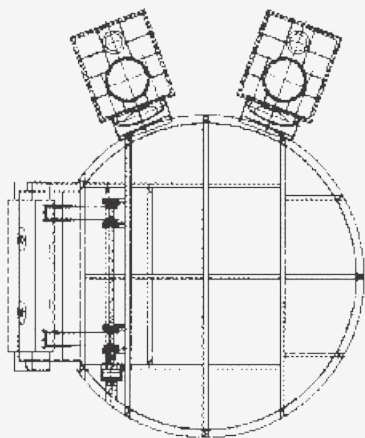
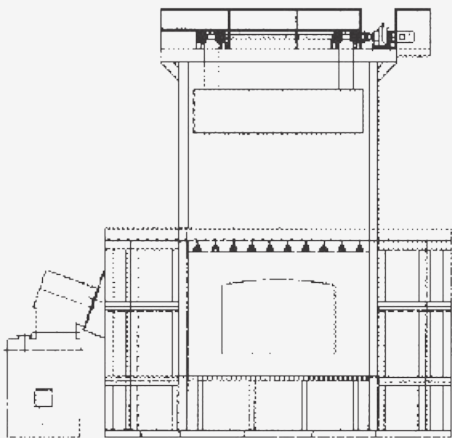


技术型数 Technial Pa ram eters			
产能	25-150吨	Capacity	25-150t
炉门类型	斜炉门	Furnace Door Type	Diagonal door
炉型	固定式	Furnace Type	Stationary
熔化率	2-8吨铝/小时	Melting Rate	2-8t AL, hour
气压	65-100KPa	Air Pressure	65-100KPa
温度准确度	±5°C	Temperature Accuracy	±5°C
燃气消耗范围	≥52立方米/吨铝	Gas Consumption Scope	≥52m3/t*aluminum
最高工作温度	1150C	Highest Working Temperature	1150C
最高控制温度	1100C	Highest Temperature Control	1100C

Round Furnace

标准圆炉

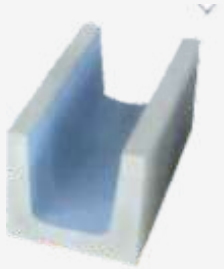
- ◆ Generally used in holding furnace with good performance in heat preservation.
常用于保温炉,保温性能好。
- ◆ Circular furnace body, flexible design.
圆型炉体,灵活设计。
- ◆ Advantage: Stable structure, No dead-corner for ash, Evenly heated.
优点:结构稳定,没有死角积灰,受热均匀。



Model 型号: 5T 10T 15T 20T 25T

技术型数 Technial Pa ram eters			
产能	25-150吨	Capacity	25-150t
炉门类型	斜炉门	Furnace Door Type	Diagonal door
炉型	固定式	Furnace Type	Stationary
熔化率	2-8吨铝/小时	Melting Rate	2-8t AL, hour
气压	65-100KPa	Air Pressure	65-100KPa
温度准确度	±5°C	Temperature Accuracy	±5°C
燃气消耗范围	≥52立方米/吨铝	Gas Consumption Scope	≥52m3/t*aluminum
最高工作温度	1150C	Highest Working Temperature	1150C
最高控制温度	1100C	Highest Temperature Control	1100C

Oil and air lubricated system casting table 油气润滑铸造系统机器



Launde
流槽



Standard filter box
标准过滤箱



Titanium wire machine
钛硼喂丝机



Cooling tower
冷却塔



Cooling water pump
冷却水泵



Manual refining tank
手动精炼罐



Auto refining tank
自动精炼罐



Timed refining tank
计时精炼罐



Electric heating filter box
电加热过滤箱

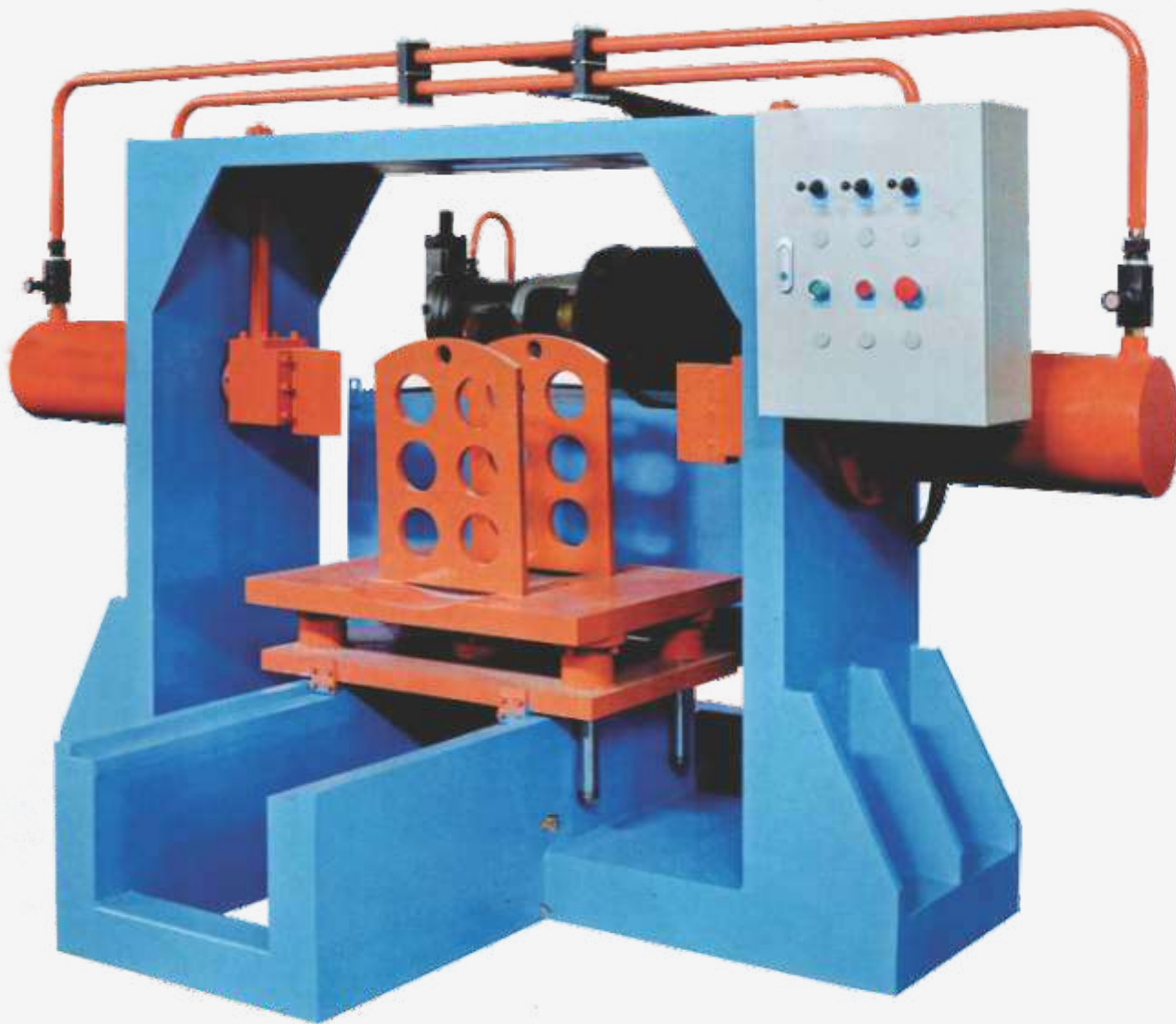


Fixed degas-unit
固定式在线除气箱

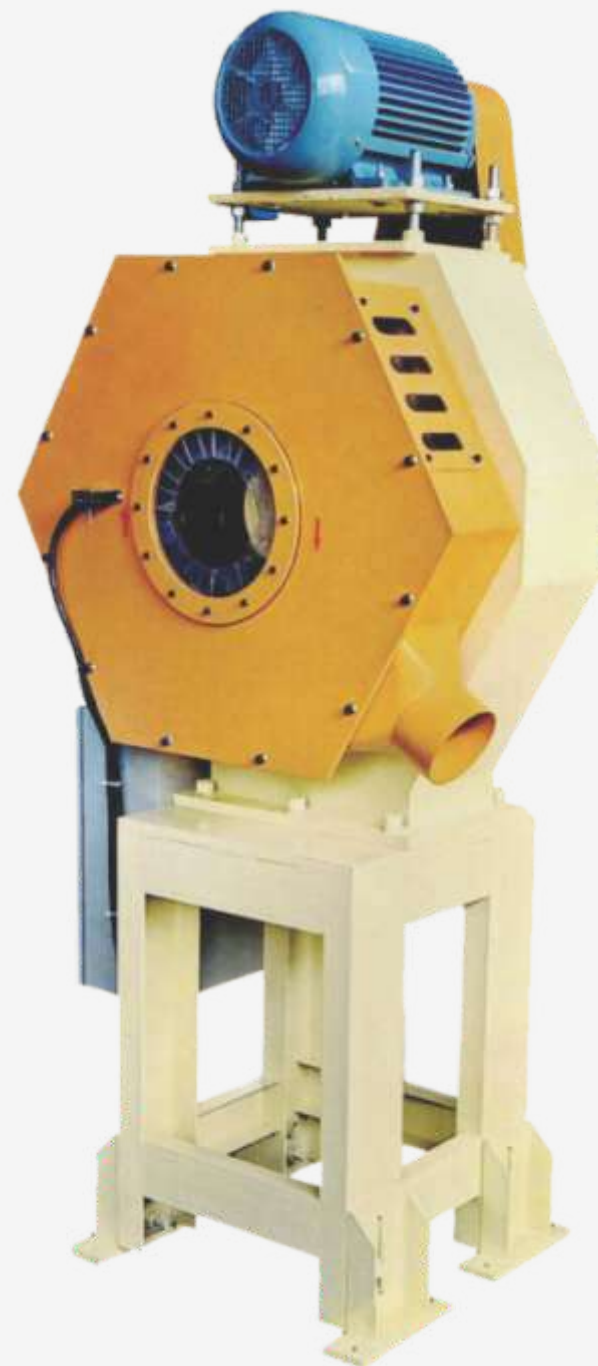


Tiling degas-unit
倾翻式在线除气箱

模具开模机
MOLD OPENER
MACHINE



刷棒机 BRUSH BAR MACHINE



产品型号 Production Tpye					
公吨 MT	类别 Type	铝棒直径 Billet size diameter (inch)	常规铝棒尺寸 Usage billet Dia(mm)	常规模具尺寸 Usage die Dia(mm)	常规出料口尺寸 Ussage exist hole dimension (mm)
780	长行程 Long stroke	4	Ø 100×580	Ø 220×206	Ø 130 * 150
800	长行程 Long stroke	4.5	Ø 115×600	Ø 220×206	Ø 140 * 160
1100	长行程 Long stroke	5	Ø 127×720	Ø 280×280	Ø 160 * 200
1250	短行程 Short stroke	5	Ø 135×800	Ø 300×280	Ø 210 * 170
1450	短行程 Short stroke	6	Ø 152×900	Ø 350×340	Ø 220 * 260
1650	短行程 Short stroke	7	Ø 178×900	Ø 380×380	Ø 240 * 280
1800	短行程 Short stroke	7	Ø 178×1100	Ø 400×400	Ø 240 * 280
2000	短行程 Short stroke	8	Ø 203×1100	Ø 420×400	Ø 270 * 320
2200	短行程 Short stroke	8	Ø 203×1100	Ø 440×420	Ø 270 * 320
2500	短行程 Short stroke	9	Ø 228×1200	Ø 480×520	Ø 335 * 420
2750	短行程 Short stroke	10	Ø 254×1300	Ø 560×560	Ø 360 * 450
3300	短行程 Short stroke	11	Ø 278×1300	Ø 590×560	Ø 360 * 450
3600	短行程 Short stroke	12	Ø 305×1300	Ø 680×680	Ø 370 * 450
4000	短行程 Short stroke	12	Ø 305×1300	Ø 700×700	Ø 387 * 477
4500	短行程 Short stroke	13	Ø 330×1400	Ø 700×700	Ø 405 * 495
5000	短行程 Short stroke	14	Ø 355×1400	Ø 720×720	Ø 447 * 560
5500	短行程 Short stroke	15	Ø 380×1500	Ø 800×800	Ø 482 * 600
6500	短行程 Short stroke	16	Ø 406×1600	Ø 900×850	Ø 520 * 640
7500	短行程 Short stroke	17	Ø 430×1700	Ø 1000×950	Ø 542 * 660

冷床 Handing table

技术参数 TECHNICALPARAMETER

吨位 Tonnage	长*宽 Size	皮带宽度 Belt Size	锯片直径 Blade Diameter
630T	26000*6000	60mm	φ405
700-800T	26000*6000	60mm	φ 405
1000T	26000*6000 / 32000*7000	60/80mm	φ405
1250T	32000*7000	80mm	φ455
1450T	26000*6000 / 32000*7000	80mm	φ455
1800T	38000*8000	80mm	φ 500
2000T	38000*9000	80/100mm	φ600
2200T	38000*9000 / 38000*10000	100mm 托链式	φ 600
2500T	38000*11000 / 38000*12000	100mm 托链式	φ 650
2750T	38000*12000 / 38000*13000	100mm 托链式	φ650
3000T	38000*12000 / 42000*13000	100mm 托链式	φ 800
3600T	42000*13000 / 45000*13000	100mm 托链式	φ 1000
4000T	45000*14000	120mm 托链式	φ1000
5500T	45000*15000 / 50000*16000	120/140mm 托链式	φ 1300
6300T	50000*16000	140mm 托链式	φ1300-1600
7500T	60000*16000	140mm 托链式	φ 1300-1600





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