TEYUN

Teyun Machinery

All for the customer

BUSINESS BROCHURE

Nanjing Teyun Machinery Manufacture Co.,Ltd



TEYUN

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01

TEYUN



Teyun Machinery was founded in 1997 and has always been committed to becoming the top non-ferrous metal profile extrusion press in the design and production industry. We have advanced intelligent processing equipment and the company's annual output has reached 180 units. We are located in Jiangsu Province, with customers all over the world.With decades of experience in scientific research, we are specializing in promoting stability, efficiency,energy saving and intellectualization of the machine, in order to increase the profile output while reducing the operating costs At the same time, we have experienced after-sale team, leaving our footprints in Asia, Africa, the Middle East, Southeast Asia and Europe. We are ready to serve you at anytime.

ISO BV CE

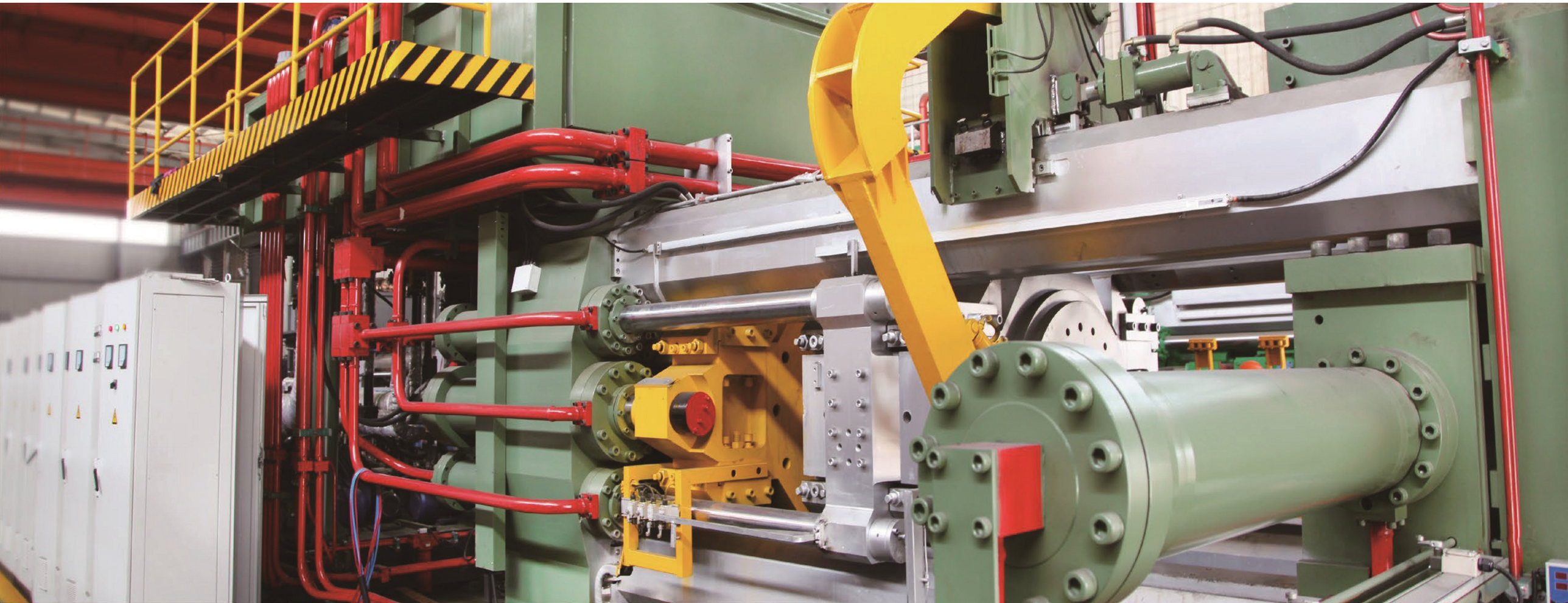
02

Aluminum Extrusion Machine

This series of equipment is widely used in the extrusion processing of aluminum, magnesium, lead and their alloys, and can produce various building profiles, industrial profiles, vehicles and aviation and other shaped sheet products

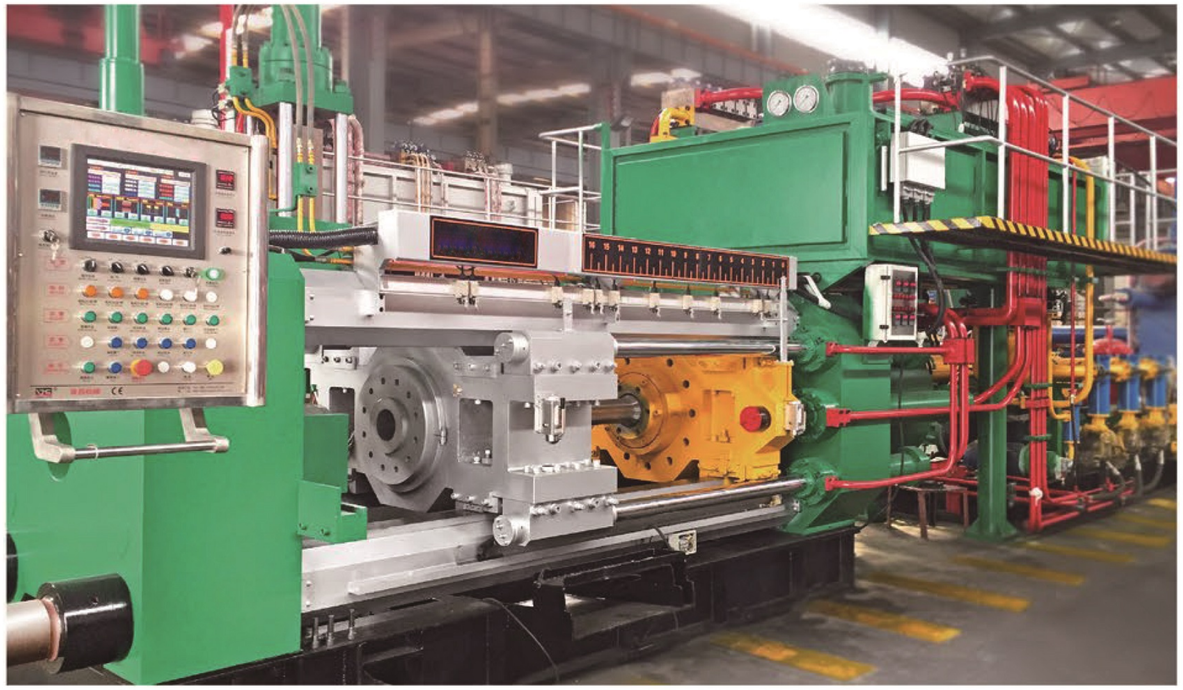
Advantage:

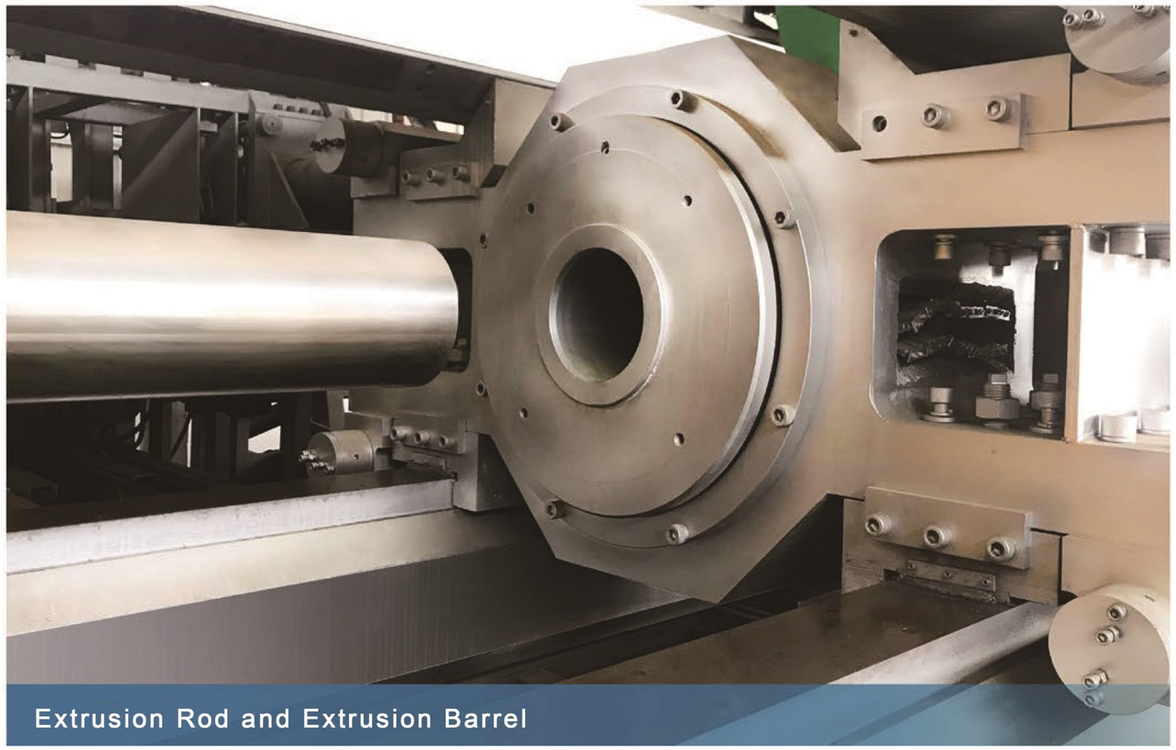
1. The structure of the whole machine adopts four-column horizontal type, the oil tank is mounted on top, hydraulic and electrical are installed as a whole, the pipelines are arranged neatly, and the installation and maintenance are convenient
2. The movable beam adopts four-point positioning, the center is adjustable, and the moving mold structure adopts two-station form, which is safe and fast
3. It can be specially designed according to the different requirements of users, suitable for different extrusion processes such as double-action extrusion seamless steel pipe, reverse extrusion, constant speed extrusion, etc.



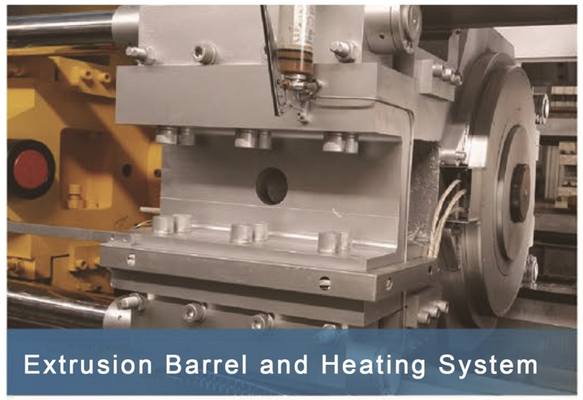
Equipment selection

TYPE	Total Extrusion	Machine Centre Height	Aluminum Billet Size	Total Power	Machine Size
TY-500	5MN	895mm	(Φ75-Φ95)x400mm	55kW	6.5mx2.8mx2.3m
TY-630	6.3MN	945mm	(Φ85-Φ105)x500mm	85kW	7.0mx3.2mx2.8m
TY-800	8MN	1045mm	(Φ105-Φ135)x550mm	160kW	9.0mx3.5mx3.2m
TY-1000	10MN	1095mm	(Φ115-Φ145)x600mm	160kW	9.5mx3.8mx3.4m
TY-1250	12.5MN	1185mm	(Φ125-Φ175)x550mm	230kW	10.0mx4.2mx3.8m
TY-1350	13.5MN	1185mm	(Φ125-Φ185)x650mm	230kW	10.0mx4.2mx3.8m
TY-1630	16.3MN	1395mm	(Φ155-Φ210)x800mm	330kW	11.5mx6.0mx4.2m
TY-1800	18MN	1395mm	(Φ155-Φ210)x800mm	330kW	115mx6.0mx4.2m
TY-2000	20MN	1410mm	(Φ185-Φ235)x850mrm	420kW	12.5x6.5mx4.5m
TY-2500	25MN	1560mm	(Φ210-Φ262)x950mm	550kW	15.0mx7.5mx5.5m
TY-3000	30MN	1560mm	(Φ236-Φ295)x1050mm	650kWW	15.0mx7.5mx5.5m
TY-3600	36MN	1990mm	(Φ262-Φ330)x1200mm	750kW	17.0mx9.0mx6.5m
TY-4500	45MN	2050mm	(Φ295-Φ370)x1300mm	1000kW	19.0mx10.0mx7.0m
TY-5500	55MN	2200mm	(Φ312-Φ420)x1500mm	1300kW	21.0mx11.0mx7.5m
TY-7500	75MN	2500mm	(Φ370-Φ475)x1700mm	1800kW	23.0mx12.0mx8.5m





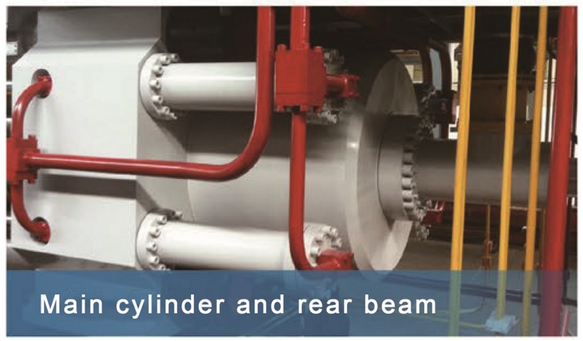
Extrusion Rod and Extrusion Barrel



Extrusion Barrel and Heating System



Extrusion Mold



Main cylinder and rear beam



Prestressed structure

700T Standard type >>>

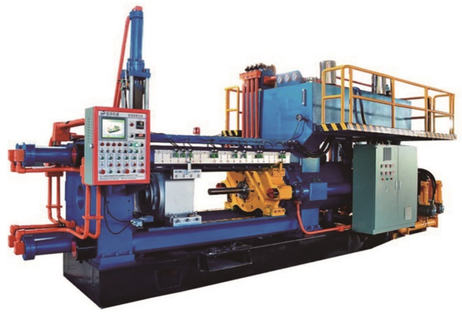
Model features:

1、Total extrusion pressure is about 708T (21MPa),mainplunger diameter is 620mm,applicable to 70~100mm (4inch)billet（adjustable)

2、Prestressed Sleeve (Unilateral Wall Thickness 45mm) ； Front platen (380mm thickness); Main cylinder platen(400mm thickness); Forged Main Cylinder

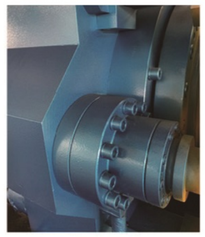
3、Two sets of double-axis double flange motor schemes (65KW+37KW)，flexible control of extrusion speed

4、Total weigh more than 30 tons, obviously showing





Pump Station



Cylinder Block



Valve Plate



Prestressed Sleeve

1450 Servo Motor Energy Saving Typemachinw >>>



Model features:

1、Total extrusion pressure is about 1540T (23MPa),main plunger diameter is 870mm, applicable to 152mm billet (6 inch)

2、Motor system combined with three sets of 110KW drivers (servo 691N.M), and three sets of 55kW drivers(servo 385N. W)

3、Compared with conventional machines, the energy saving is up to 18% ~ 22%, and the production is increased by about 5%

2500 Short Range Design >>>

Model features:

1、Plunger diameter 1080mm;total extrusion pressure 2528T ; billet diameter 228mm , 9 inch （adjustable according to your requirement)

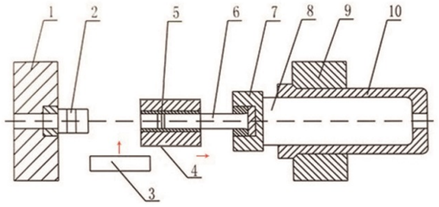
2、Short range design to reduce 35% non-extrusion time and improves production output by 20%~25% (compare with normal type)

3、Equipped with translation manipulator for billet feeding (optional front loading or mobile extrusion stem design)

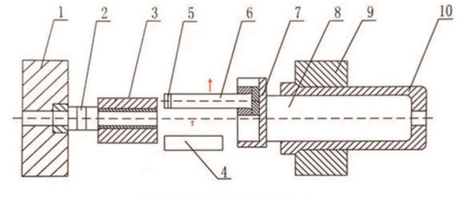
4、Optional to equipped die change components,fast switch to the second die, improve efficiency

5、The tie rod and main cylinder are shortened,the accuracy and stability of the-whole frame is improved,and the amount of hydraulic oil is reduced.





Front loading short-range design



Rear loading short-range design

1.Front platen	6.Stem
2.Die	7.Moving cross head
3.Container	8.Main plunger
4.Billet	9.End platen
5.Dummy block	10.Main cylinder

Equipment accessories



Stem



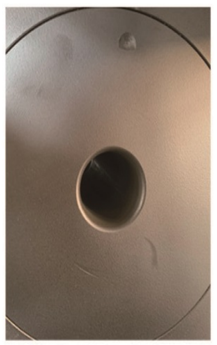
Dummy Block



Heating Elements



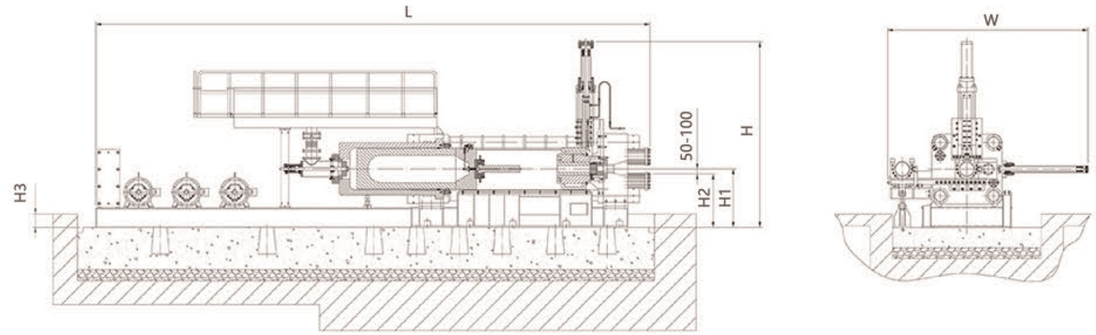
Scissors



Container

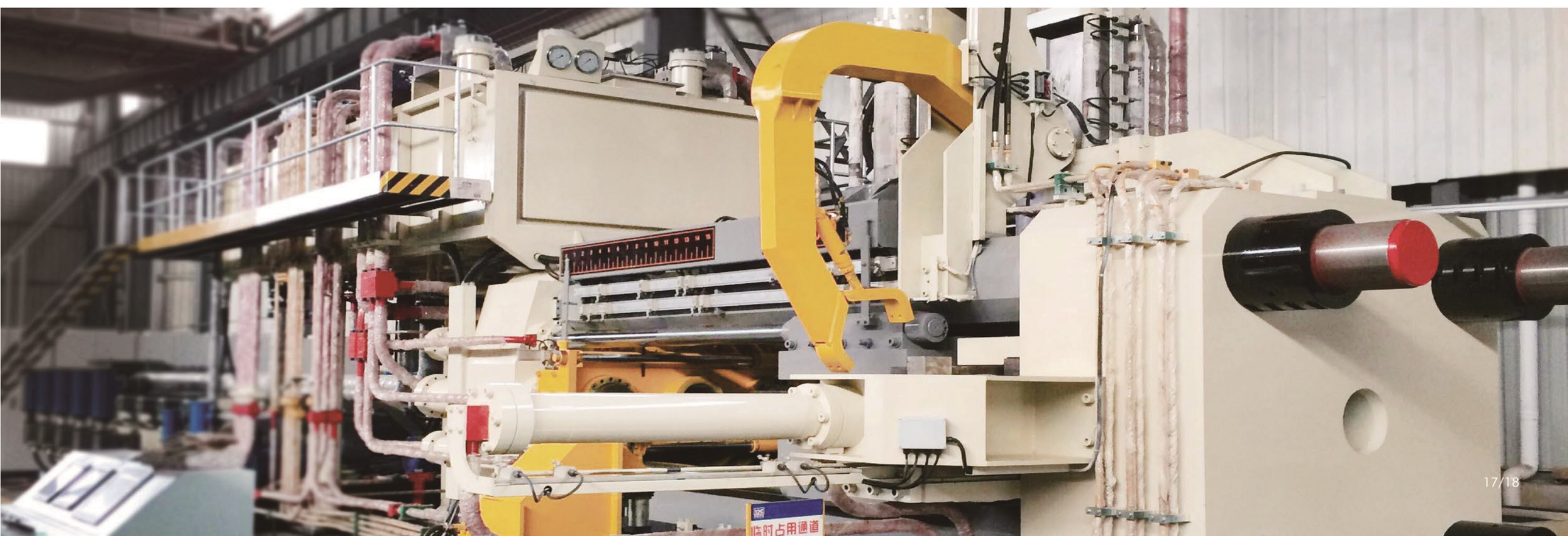
03

Copper profile extrusion machine



This series of extrusion machine are mainly used for copper and its alloy pipes, bars, wires and profiles. It can produce various building profiles, industrial profiles, vehicles and aviation and other sheet

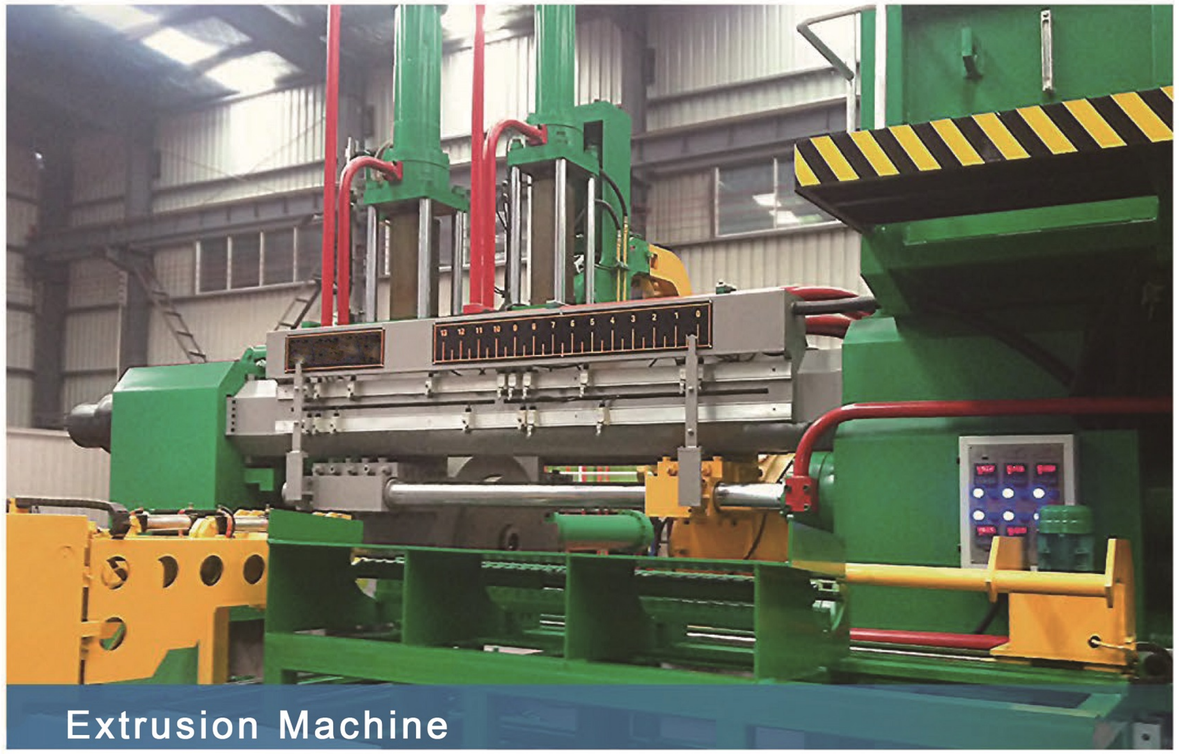
1. The whole machine adopts four-post horizontal, compact structure, convenient installation and maintenance, etc.
2. Adopt PLC control, equipped with man-machine interface to monitor various extrusion process parameters in real time



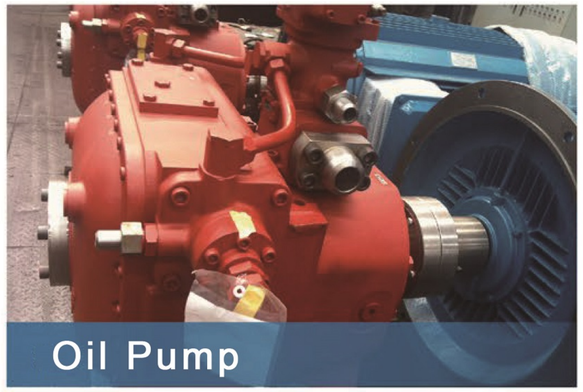
Equipment selection

TYPE	Total Extrusion	Machine Centre Height	Aluminum Billet Size	Total Power	Machine Size
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TY-800	8MN	1045mm	(Φ105-Φ135)x550mm	160kW	9.0mx3.5mx3.2m
TY-1000	10MN	1095mm	(Φ115-Φ145)x600mm	160kW	9.5mx3.8mx3.4m
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TY-1800	18MN	1395mm	(Φ155-Φ210)x800mm	330kW	115mx6.0mx4.2m
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TY-2500	25MN	1560mm	(Φ210-Φ262)x950mm	550kW	15.0mx7.5mx5.5m
TY-3000	30MN	1560mm	(Φ236-Φ295)x1050mm	650kWW	15.0mx7.5mx5.5m
TY-3600	36MN	1990mm	(Φ262-Φ330)x1200mm	750kW	17.0mx9.0mx6.5m
TY-4500	45MN	2050mm	(Φ295-Φ370)x1300mm	1000kW	19.0mx10.0mx7.0m
TY-5500	55MN	2200mm	(Φ312-Φ420)x1500mm	1300kW	21.0mx11.0mx7.5m
TY-7500	75MN	2500mm	(Φ370-Φ475)x1700mm	1800kW	23.0mx12.0mx8.5m





Extrusion Machine



Oil Pump



Feeding trolley



Extrusion Machine

04

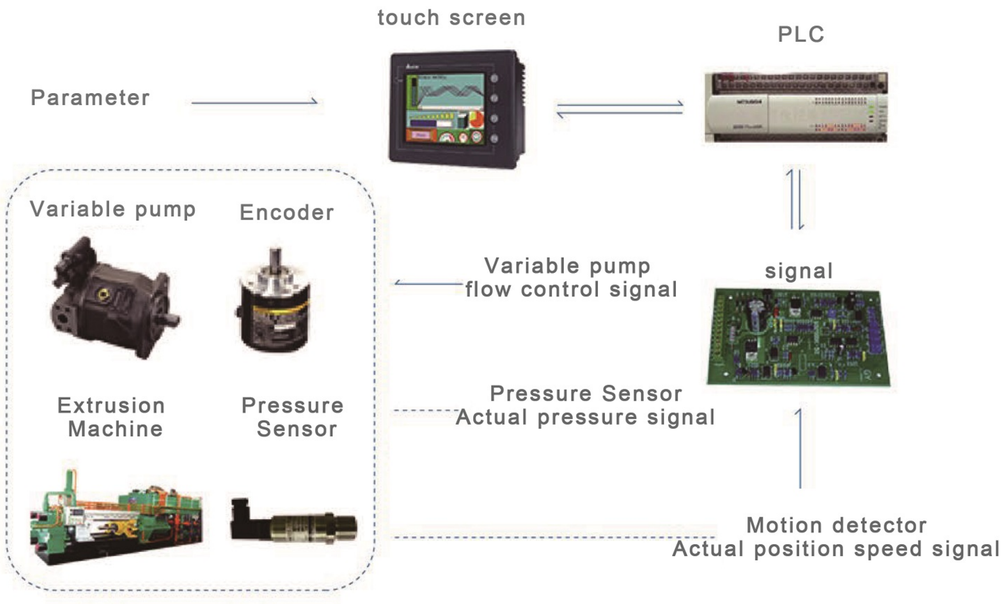
Control system

1.Constant speed control and variable speed control
2.Real-time monitoring and setting of main parameters such as pressure, speed and displacement
3.Fault alarm record is easy to find, store and call



Set the extrusion speed, displacement, pressure and other parameters, after the control system data processing, real-time monitoring, control the flow of the main oil pump, make the extrusion speed according to the set value.

Description of extrusion process





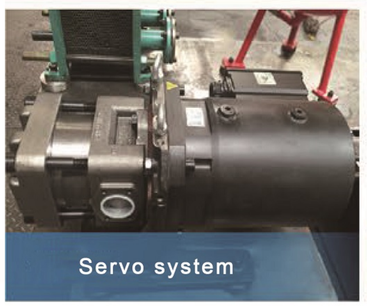
Soft start system



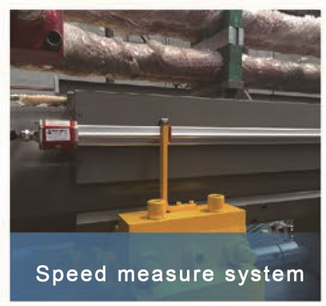
Touch Screen



Servo Controller



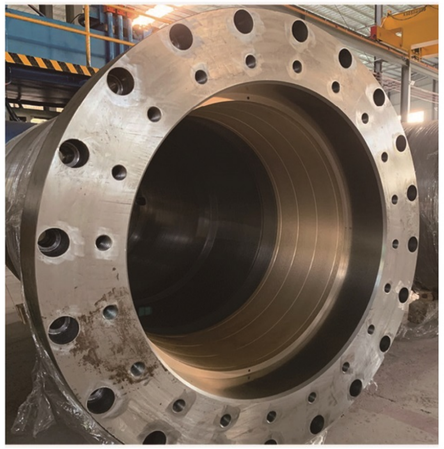
Servo system



Speed measure system

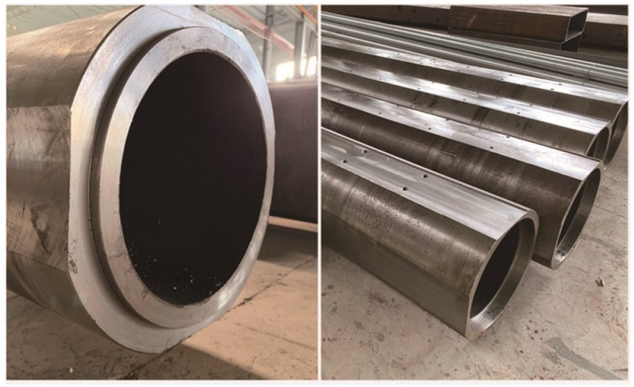
05

PRODUCT COMPONENTS





The quality ot front plate and end plate is partieularly important. The front plate with poor quality will tremble greatly or even deform elastically during extrusion. which will affect the quality of profile.The front plate and end plate from Junze are high quality solid cast steel.



The main cylinder is forged by precision steel. After forging, the quality of the main cylinder is higher than cast steel. It can withstand greater impact force and maintain higher stability under high pressure.



Sufficient thickness of prestressed sleeve can ensure the whole frame in sufficient stress pre tightening state, so as to make the extrusion process as solid as rock.





Our workshop is equippea with full function machine tools, ineluding drilling machine, milling machine, boring machine, ete. From valve plate to eylinder seat, we earefully carve to ensure product quality and improve production efficiency at the same time.



Every single one of the machine parts from TEYUN have heen strict quality controlled,frominside to outlooking,it gives people a solid andsteady feeling.



06

ENTERPRISE EQUIPMENT





07

Coating Line

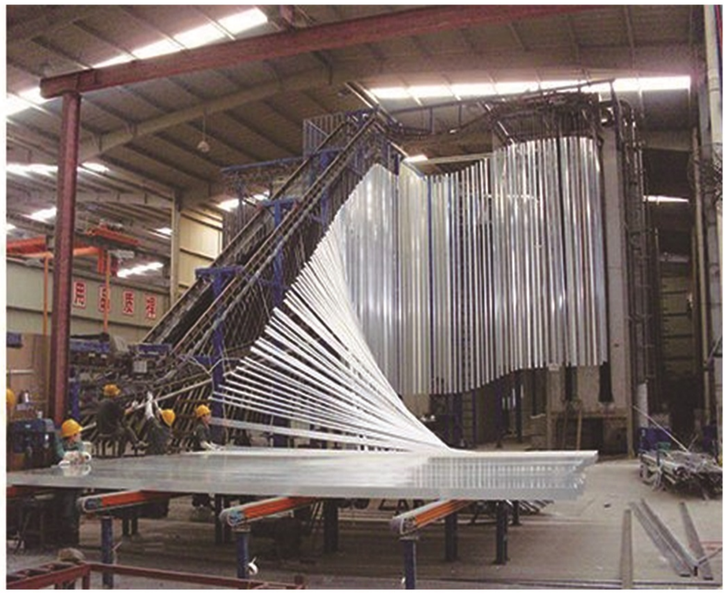






Horizontal Coating



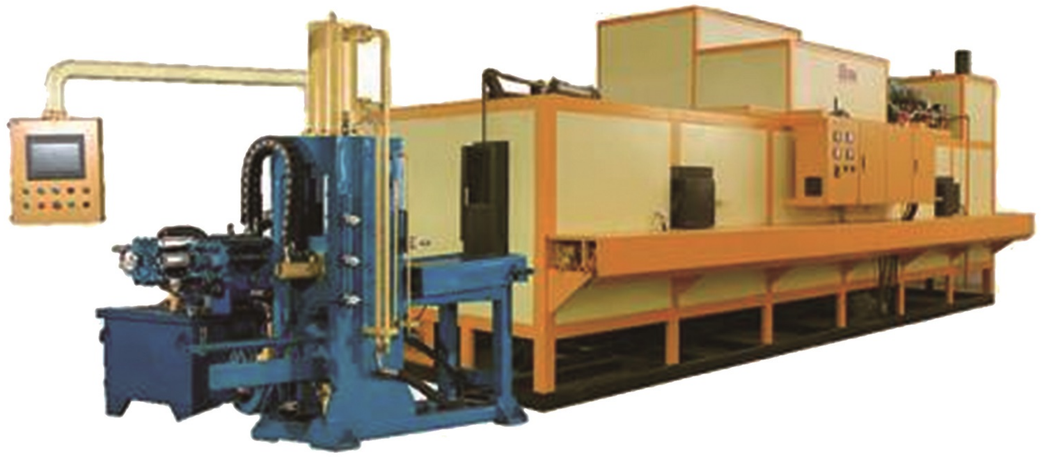


Vertical Coating

08 Group Equipment



Cooling Table



Long Billet Furnace



Mold Oven



Intelligent Puller



Aging Furnace

09

After-sale



Belgium



Hebei



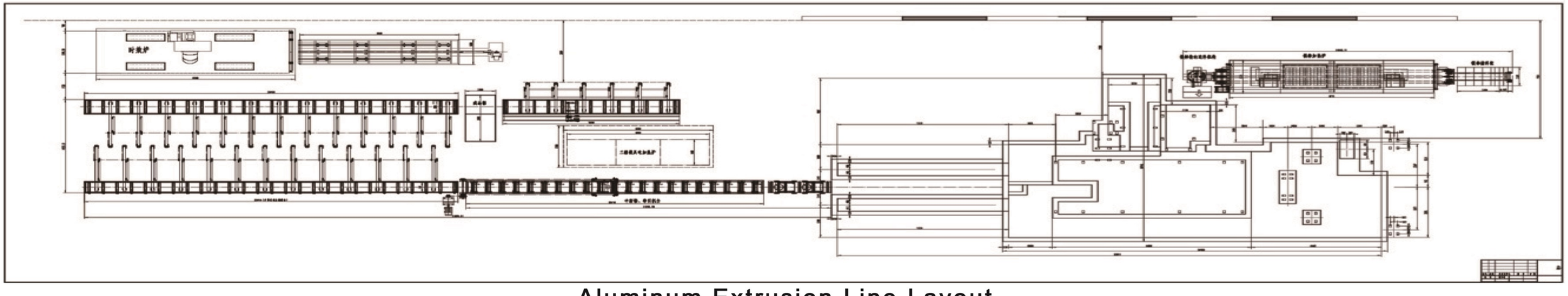
Argentina



Garner Africa



Pakistan



Aluminum Extrusion Line Layout