



DUWELL

ROLL FORMING MACHINE



Shanghai Duwell Industrial Co., Ltd

Factory add: No.28 Xingang Road Economic Development Zone Jingjiang City Taizhou City Jiangsu Province China

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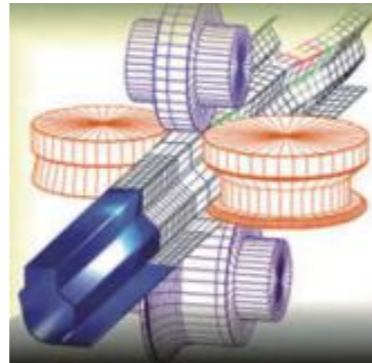
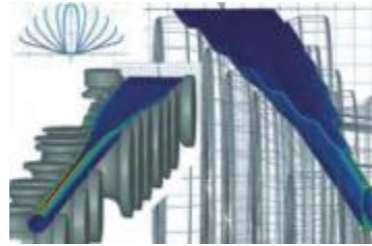
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COMPANY INTRODUCTION

SHANGHAI DUWELL INDUSTRIAL CO., LTD is a leading supplier in the field of construction industry to offer one-stop service including the forming machines and steel materials. Duwell headquarters in Shanghai and set up production factory in Wuxi city.

With 20 years' experiences in the field of the R&D of cold rolling series, Shanghai Duwell introduces the international outstanding steel rolling software--German COPRA, and also the advanced CNC equipment, which are adopted for customers' requirements on the cold rolling steel products.

So far, Duwell Lines are certified of CE and widely approved of the customers home and abroad covering 75 countries in the world.



SHANGHAI DUWELL INDUSTRIAL CO., LTD



**Innovative Tooling Design
Precision Built Equipment**

Our Advantage

- Excellent Germany Corpa Software
- CNC Numerical Control Lathe
- Powerful R&D Can Fulfill Each Inquiry Of Our Customer
- Competitive Price



High speed aluminum roller shutter machine

高速发泡卷帘门

主要参数:

适用帘片尺寸: 39/42/45/55mm

适用铝材材料: 0.18~0.3mm

工作速度: 25~30米/分钟

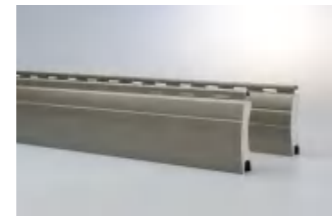
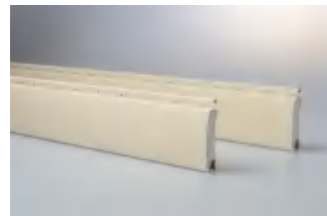
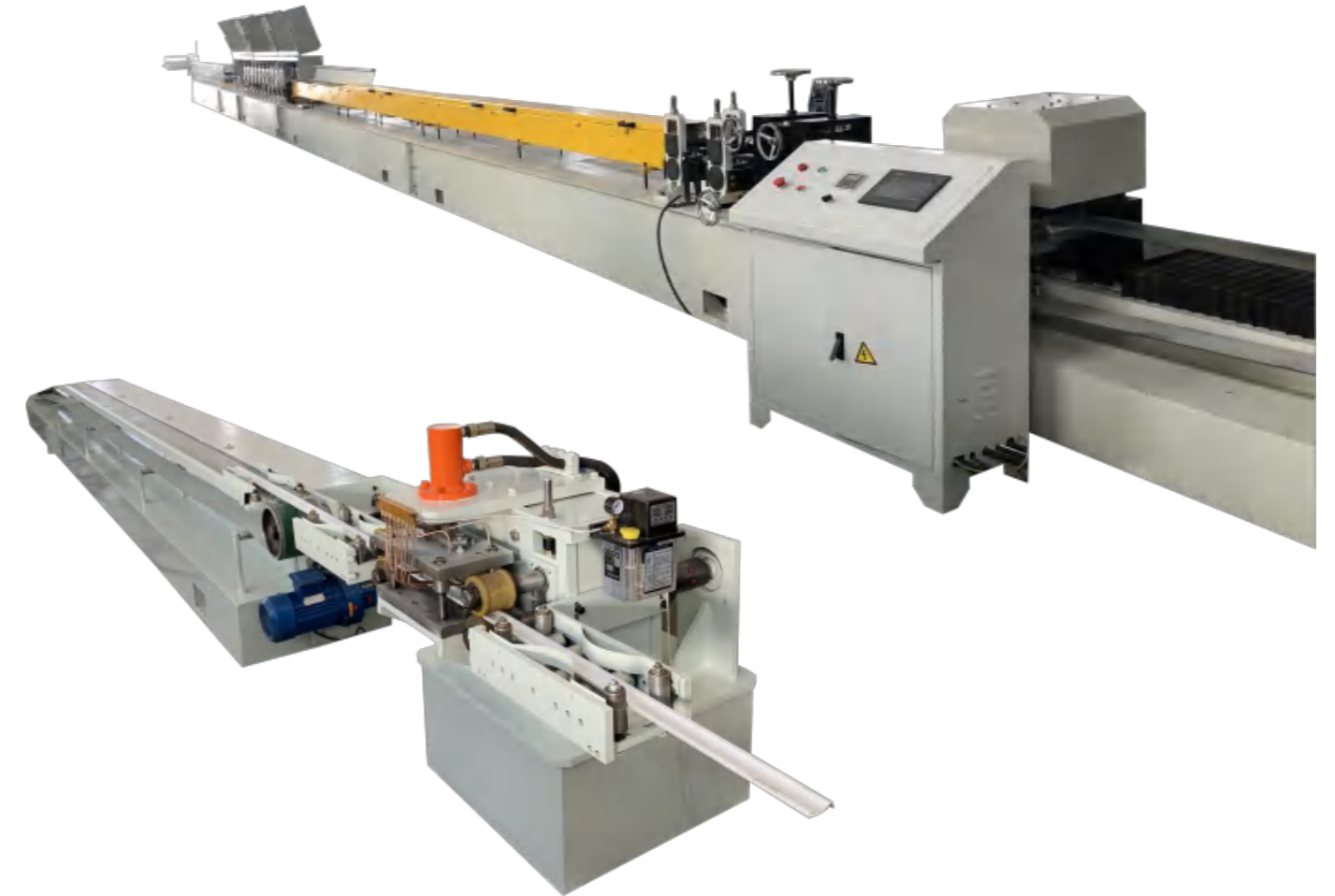
MAIN PARAMETERS:

Suitable for aluminum shutter: 39/42/45/55mm shutters

Suitable aluminum thickness: 0.18~0.3mm

Working speed: 25~30 meters/min with foam injection and cutting

Servo following cutting



WORKING PROCESS:

Decoiler – Guiding – Roll forming – Heating the material – Injection foam – Warm box – Straighten – Adjusting – Servo following cutting – Transfer belt – Punching – Out table

High speed aluminum roller shutter machine

高速发泡卷帘门

39/42/45mm PU FOAMED SHUTTER FORMING MACHINE

39/42/45 发泡卷帘门生产线

主要参数:

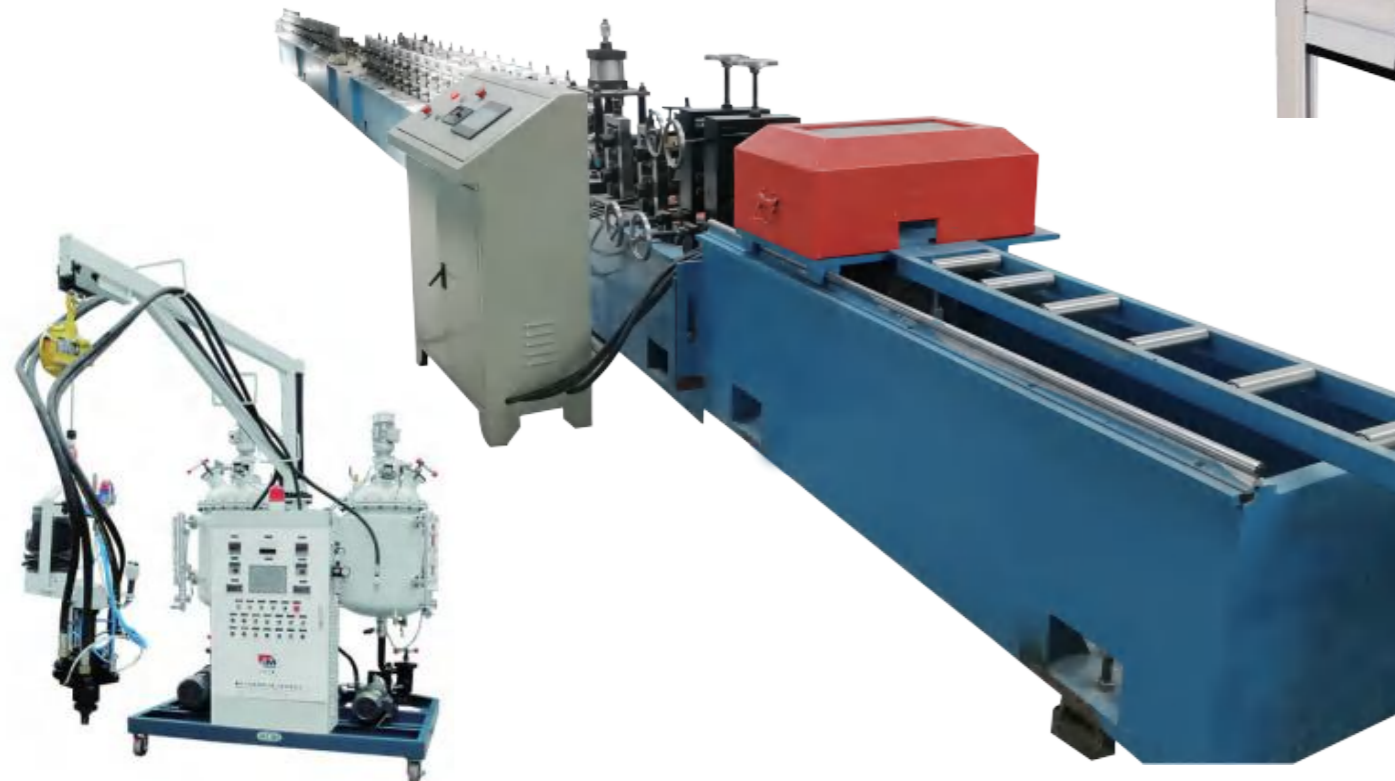
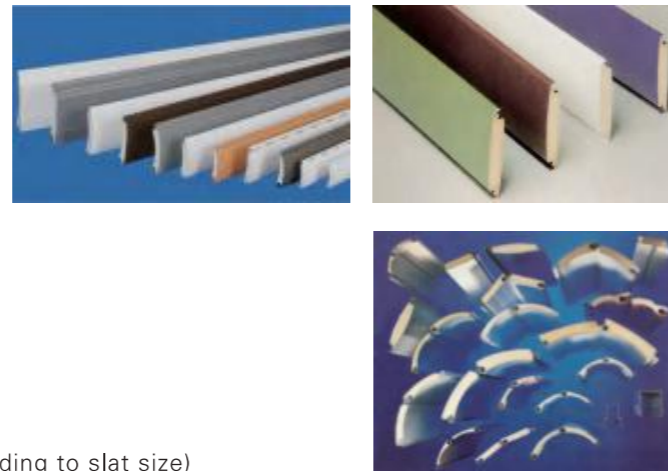
成型道数: 38道
适用材料厚度: 0.25~0.40mm
主电机功率: 11KW
成型规格: 39/42/45mm 帘片

MAIN PARAMETERS:

Forming Stations: 38 stations
Suitable Material: 0.25~0.40mm Aluminum or Steel (According to slat size)
Main motor power: 11KW
Working Speed: Normal line speed 10~15meters/min. High speed line 25~30meters/min.

WORKING PROCESS:

Decoiler – Guiding part – Roll former – Warm Box –
PU Injection Machine – Side hole punching device –
Servo following cutting device – Run out table



77/95mm PU FOAMED SHUTTER FORMING MACHINE

77/95mm 发泡卷帘门生产线

主要参数:

3吨开卷机
成型道数: 38道
齿轮箱传动
主电机功率: 11KW
适用材料厚度: 0.35~0.6mm
伺服跟踪切断
PU 发泡机
成型速度: 8~12米/分钟

MAIN PARAMETERS:

3ton decoiler
Forming stations: 38 stations
Suitable material: 0.35~0.6mm
Main power: 11KW
Gear box transmission
Servo following saw cutting
Working speed: 8~12m/min
PU injection machine



WORKING PROCESS:

Decoiler– Guiding– Roll former– Warm box – PU Injection machine– Servo following saw cutting– Out table– PLC control



DOUBLE SHEET PU FOAMED SHUTTER FORMING MACHINE

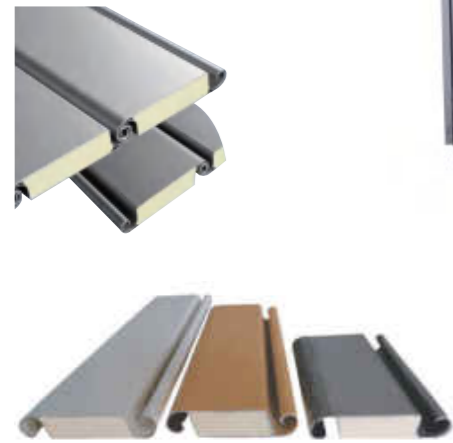
双层发泡卷帘门生产线

主要参数:

成型道数: 38道
适用材料厚度: 0.25~0.40mm
主电机功率: 11KW
成型规格: 77/85mm 帘片

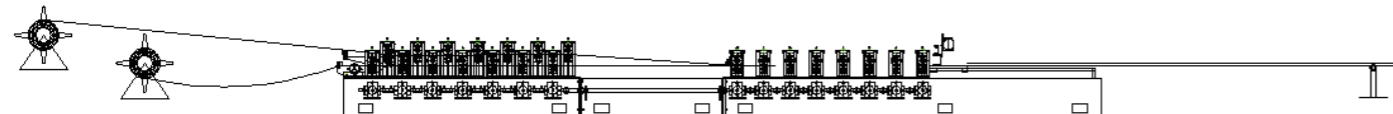
MAIN COMPONENTS:

Decoiler
Warm Box
Pu Injection Machine
Roll Former
Servo Following Cutting
Out Table Controller



WORKING PROCESS:

Decoiler- Guiding part- Roll former- Warm Box- PU Injection Machine-
Servo following cutting device- Run out table

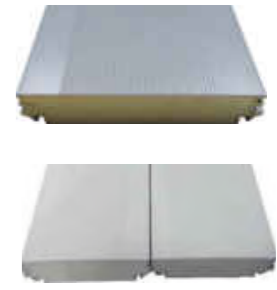
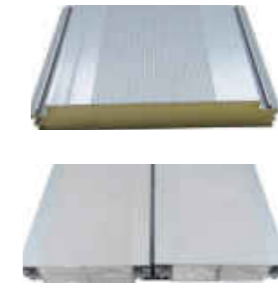


主要参数:

成型道数: 46道
适用材料厚度: 0.7~0.8mm
主电机功率: 15KW
成型规格: 135/185/222mm 帘片
生产速度: 8~10米/分钟

MAIN PARAMETERS:

Forming Stations: 46 stations
Suitable Material thickness: 0.7~0.8mm
Main motor power: 15KW
Working Speed: 8~10meters/min.



WORKING PROCESS:

Decoiler- Guiding part- Roll former- Warm Box- PU Injection Machine- Servo following cutting device-
Run out table



HIGH SPEED ROLLING SHUTTER FORMING MACHINE

硬质快速卷帘门设备

METAL SHUTTER FORMING MACHINE

卷帘门生产线

主要参数:

3吨放料架/成型主机/液压切断/PLC 控制系统

成型道数: 12道

适用材料厚度: 0.6~1.2mm

主电机功率: 5.5KW

液压功率: 4KW (链条传动)

生产速度: 12~15米/分钟

MAIN PARAMETERS:

Forming Stations: 12 stations

Suitable material thickness: 0.6~1.2mm

Main power: 5.5KW

Hydraulic power: 4KW

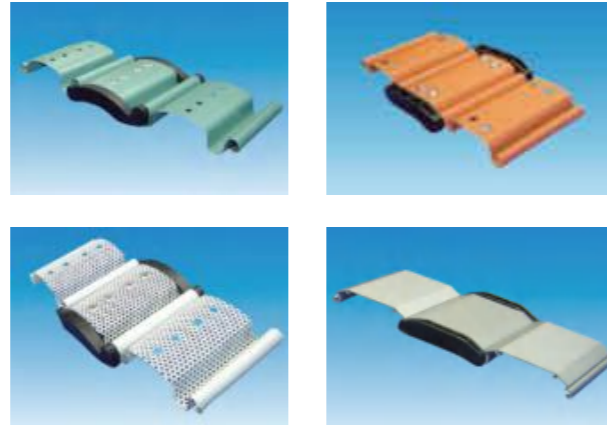
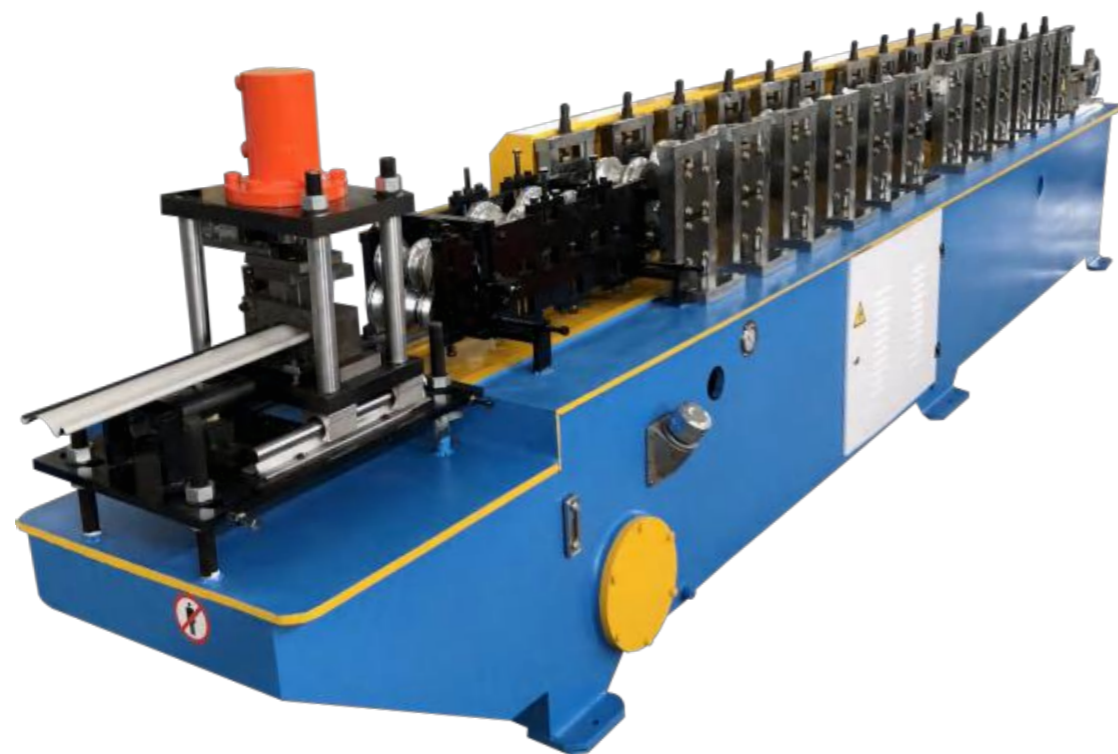
Chain transmission

Working Speed: 10~15meters/min

Hydraulic cutting

WORKING PROCESS:

Decoiler- Guiding- Roll Former- Hydraulic- Cutting- Out table- PLC controller



TWO IN ONE FORMING MACHINE

一出二设备

TWO IN ONE MACHINE CAN MAKE TWO DIFFERENT PROFILE IN ONE MACHINE.



MAIN PARAMETERS:

3ton decoiler / roll former

hydraulic cutting / PLC controller

Forming Speed: 10~15meters/min

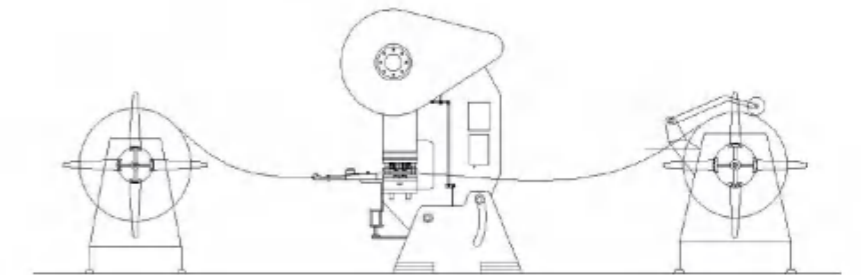
Main Power: 5.5KW

Hydraulic power: 4KW



WORKING PROCESS:

Decoiler - Guiding - Roll Former - Hydraulic Cutting - Out Table - PLC controller



OCTAGON PIPE FORMING MACHINE

八角管生产线

MAIN PARAMETERS:

Forming Stations: 20 stations
 Main motor power: 7.5KW
 Working speed: 8~15m/min
 Specification: 40/60/70mm

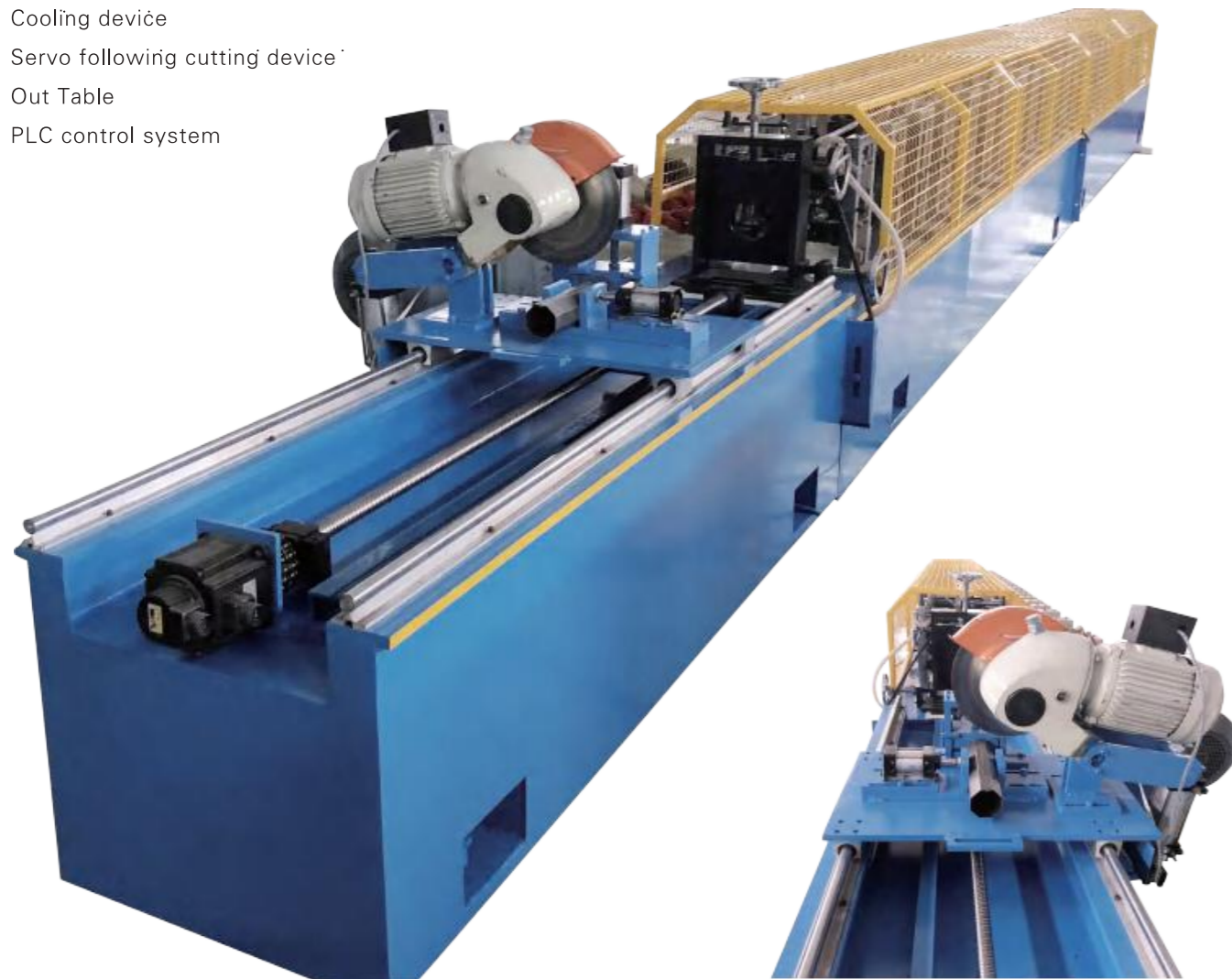
MAIN COMPONENTS:

Decoiler
 Pressing machine with feeder
 Guiding
 Roll former
 Cooling device
 Servo following cutting device
 Out Table
 PLC control system



WORKING PROCESS:

Decoiler- Guiding part- Roll former- Hydraulic cutting device- Run out table



WELDING PIPE FORMING MACHINE

焊管设备

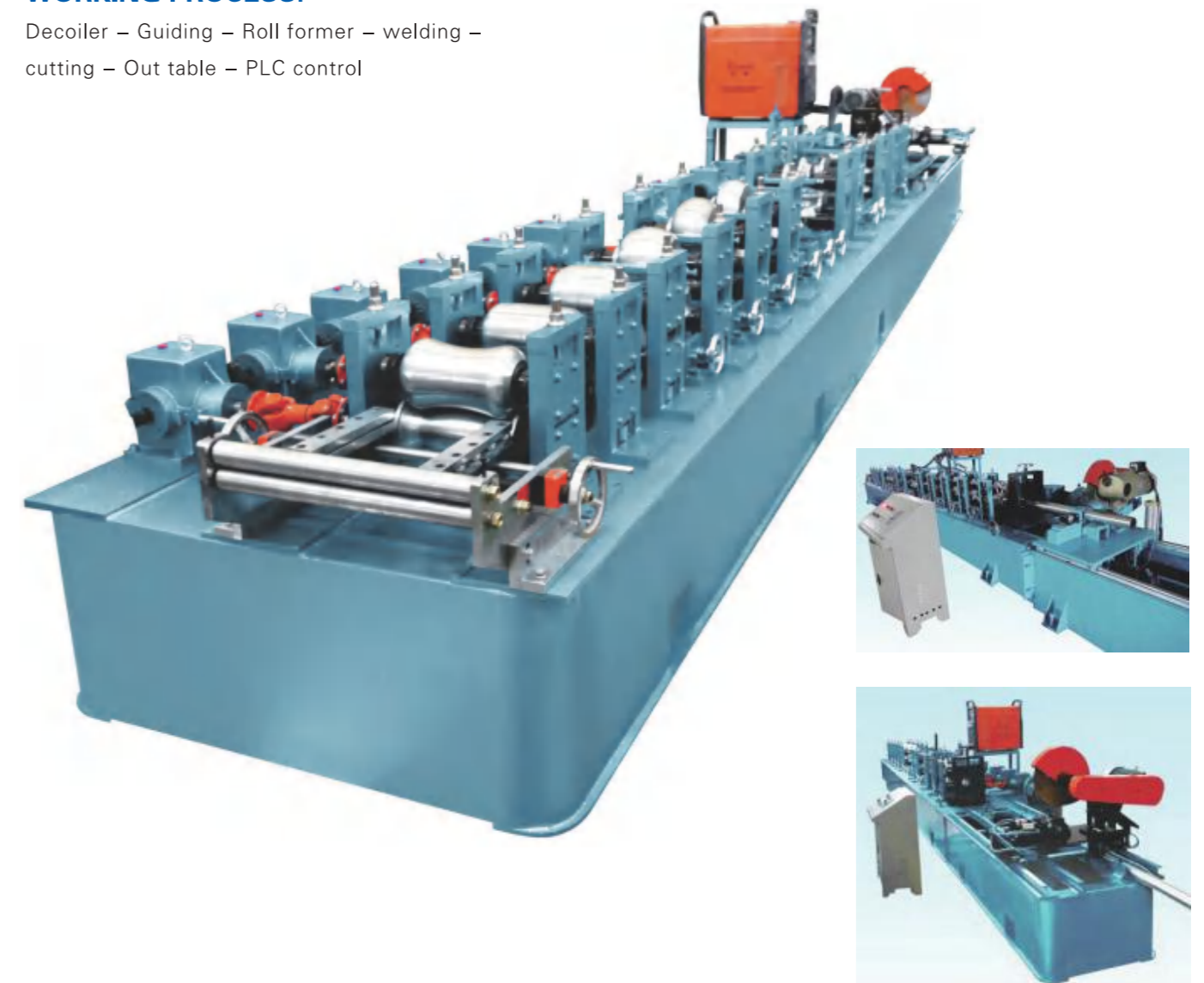
COMPONENTS OF THE MACHINE:

3ton manual Decoiler
 Guiding
 Roll former
 Welding device
 Following saw cutting device
 PLC Control system
 Run out table (six meters)



WORKING PROCESS:

Decoiler - Guiding - Roll former - welding - cutting - Out table - PLC control



SHUTTER BOX FORMING MACHINE

罩壳成型机

主要参数:

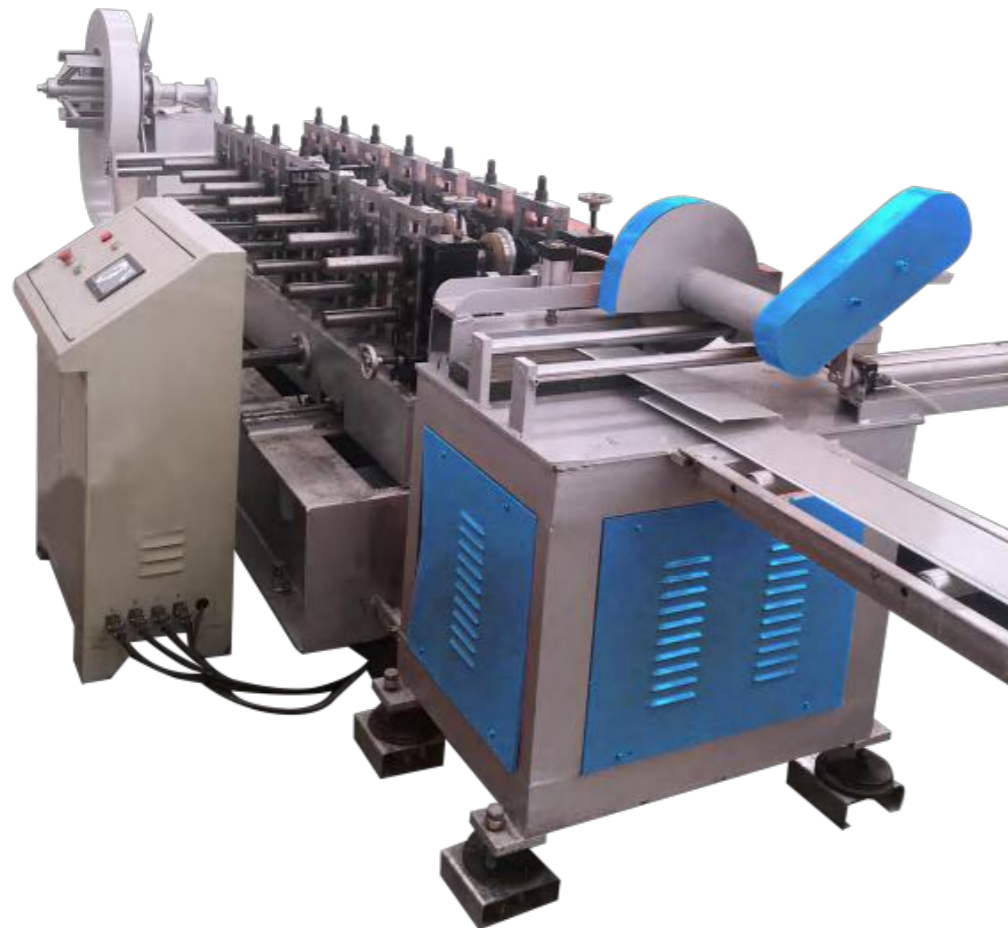
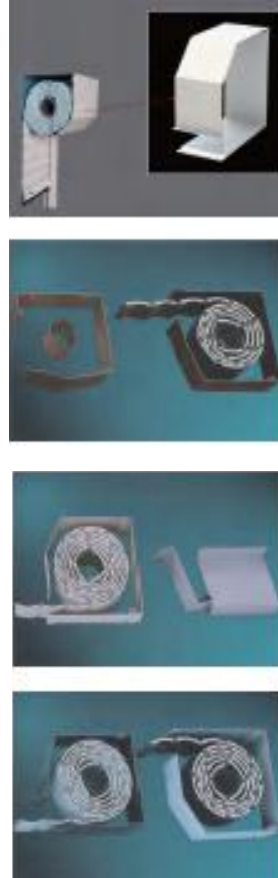
33吨放料架/成型主机/飞锯切断/PLC 控制系统
 成型道数: 7/16 道
 适用材料厚度: 0.7~1.0mm
 主电机功率: 5.5KW
 液压功率: 4KW (链条传动)
 生产速度: 12~15米/分钟

MAIN PARAMETERS:

Forming Stations: 6/17 stations
 Suitable material thickness: 0.7~1.0mm
 Adjustable width: 170~400mm
 Main power: 5.5KW
 Chain transmission
 Working Speed: 10~15meters/min
 Following saw cutting

WORKING PROCESS:

Decoiler – Guiding – Roll Former – Saw Cutting – Out Table – PLC Controller



GUIDING RAIL FORMING MACHINE

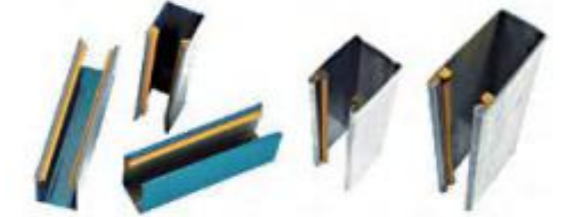
轨道设备

COMPONENTS OF THE MACHINE:

Decoiler
 Guiding
 Roll former
 Cutting device
 PLC Control system
 Run out table (six meters)

WORKING PROCESS:

Decoiler– Guiding – Roll former– cutting device – Out table



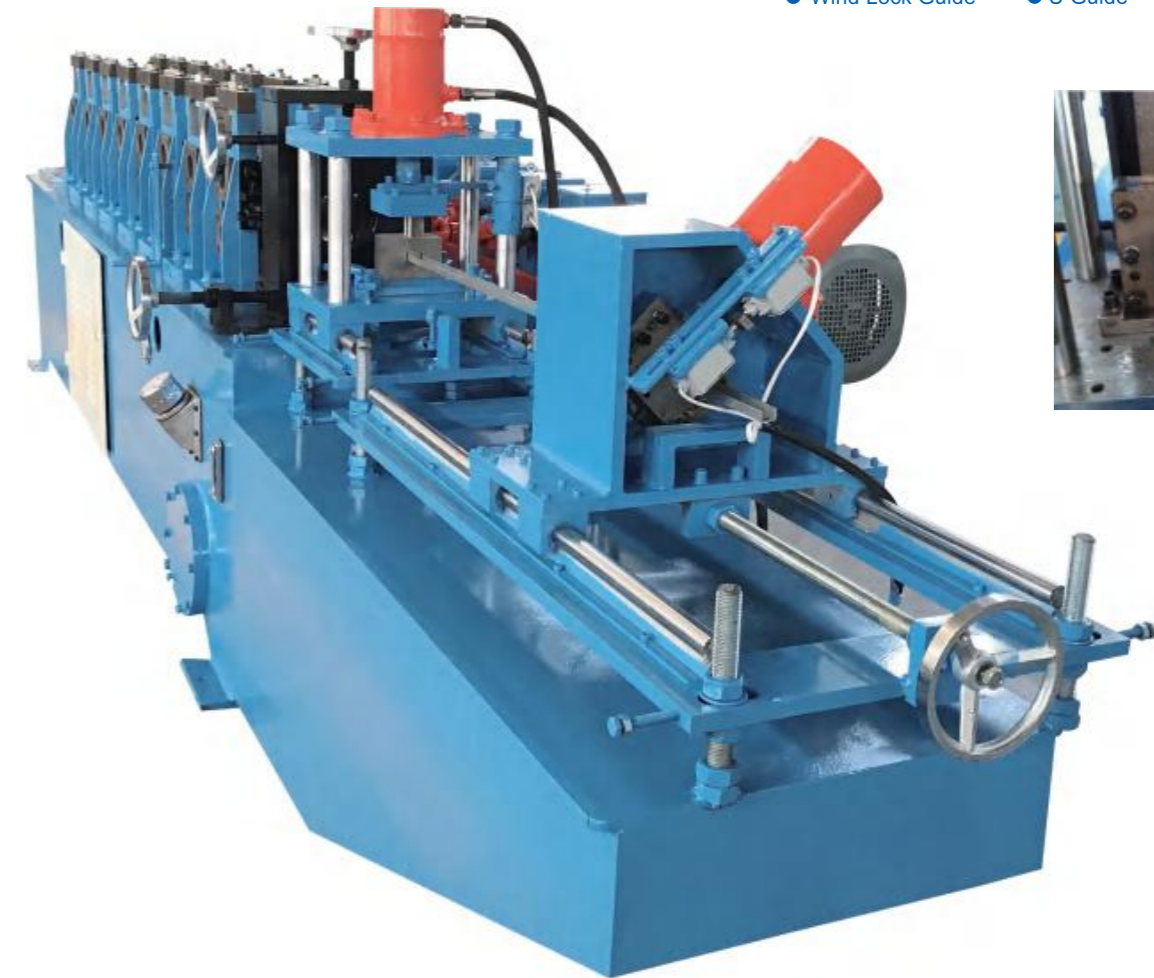
● Silenced Guide



● Wind Lock Guide

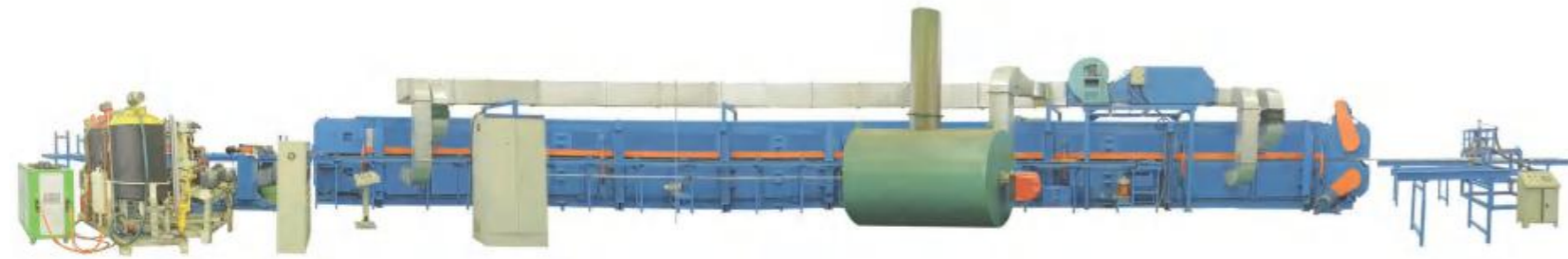
● U Guide

● Roller Door Guide



**GARAGE DOOR
PANEL PRODUCTION
LINE (CONTINUOUS LINE)**

车库门生产线



MACHINE TECHNICAL PARAMETER

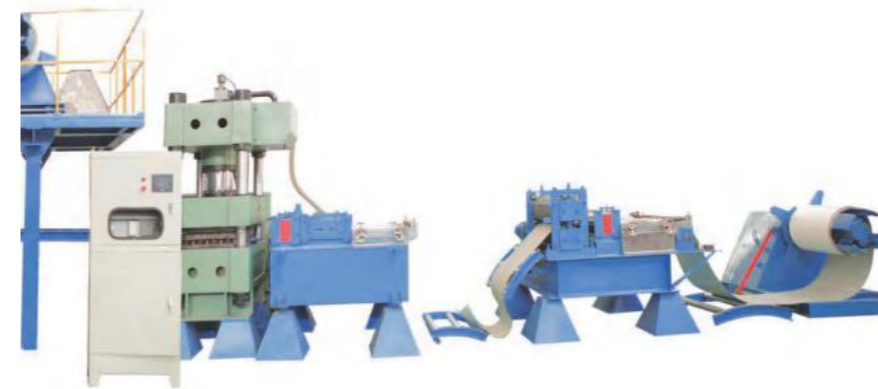
SPEED: 3~8M/MIN (CONTROLLED BY INVERTER)
 LENGTH OF COMBINED CONVEYOR: 24M
 TOTAL POWER: 100KW
 OVERALL DIMENSIONS: 85M(L) X2M(W)X5M(H)

MATERIAL PARAMETER

SUITABLE MATERIAL: G.I
 THICKNESS: 0.3~0.5MM
 WIDTH: 500~700MM
 PU MATERIAL: POLYURETHANE

DOOR PANEL SPECIFICATION

WIDTH: 400~600MM ADJUSTABLE
 THICKNESS: 40/50MM (CUSTOMIZED)
 LENGTH: 2000~16000MM (ADJUSTABLE)
 PU DENSITY: 35~50KG/M³(ADJUSTABLE)



**GARAGE DOOR
PANEL PRODUCTION
LINE (CONTINUOUS LINE)**

车库门生产线



**GARAGE DOOR
PANEL PRODUCTION LINE
(DISCONTINUOUS LINE)**

非连续车库门板生产线

MAIN PARAMETERS:

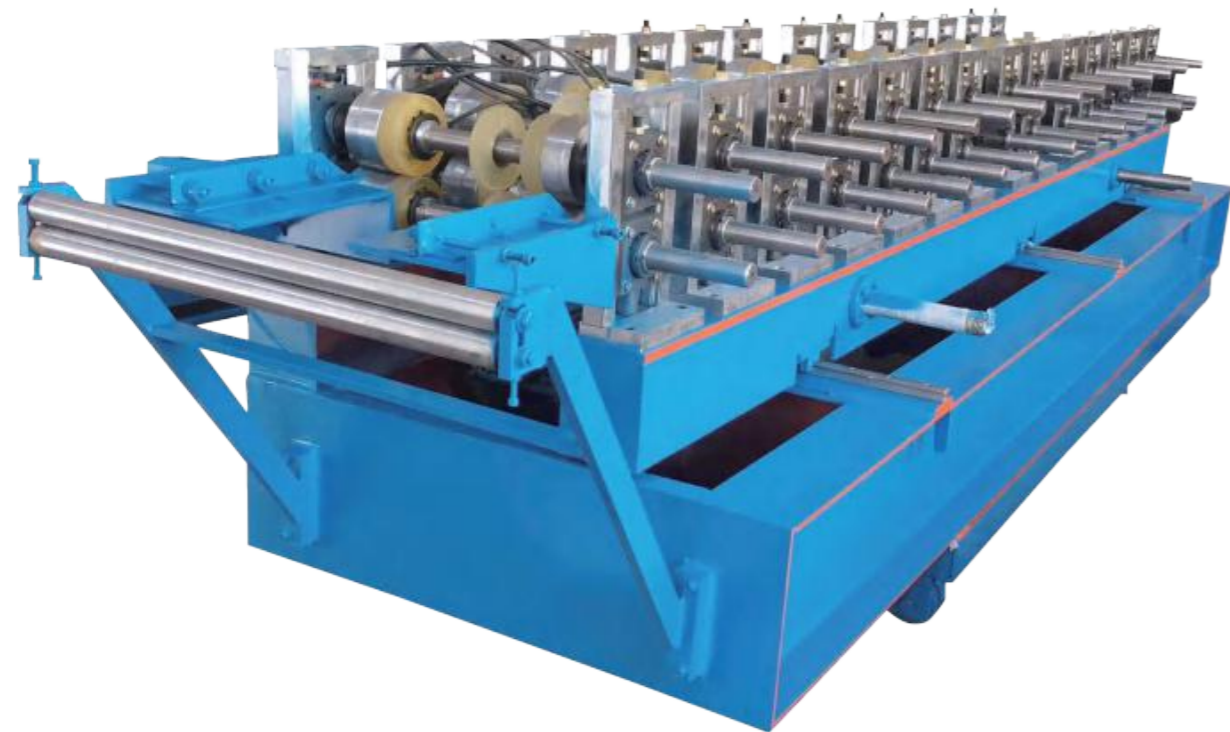
Forming Steps: 14/26 stations
 Material Thickness: 0.3~0.8mm
 Door Panel: 400~600mm(Adjustable)
 Main power: 7.5KW



车库门板
GARAGE DOOR PANEL



PRE - PAINTED STEEL 彩钢板
 PU 聚氨酯
 PRE - PAINTED STEEL 彩涂板



**GARAGE DOOR
PANEL PRODUCTION LINE
(DISCONTINUOUS LINE)**

非连续车库门板生产线



● Auto Feeding Device



● Embossing Machine



● Hydraulic Pressing Machine



● Foaming Device

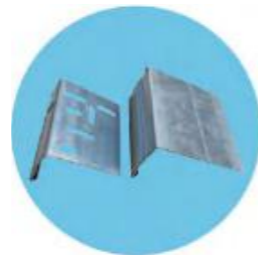
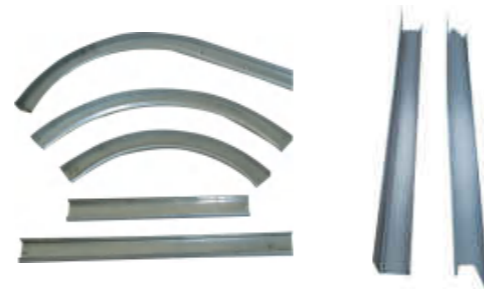


GARAGE DOOR ACCESSORY FORMING MACHINES

车库门相关设备

INCLUDING:

- Garage Door Track Forming Machine
- Track Bending Machine
- L Profile Forming Machine
- End Cap Forming Machine
- V strut Forming Machine



HIGH SPEED DRYWALL PROFILE FORMING MACHINE

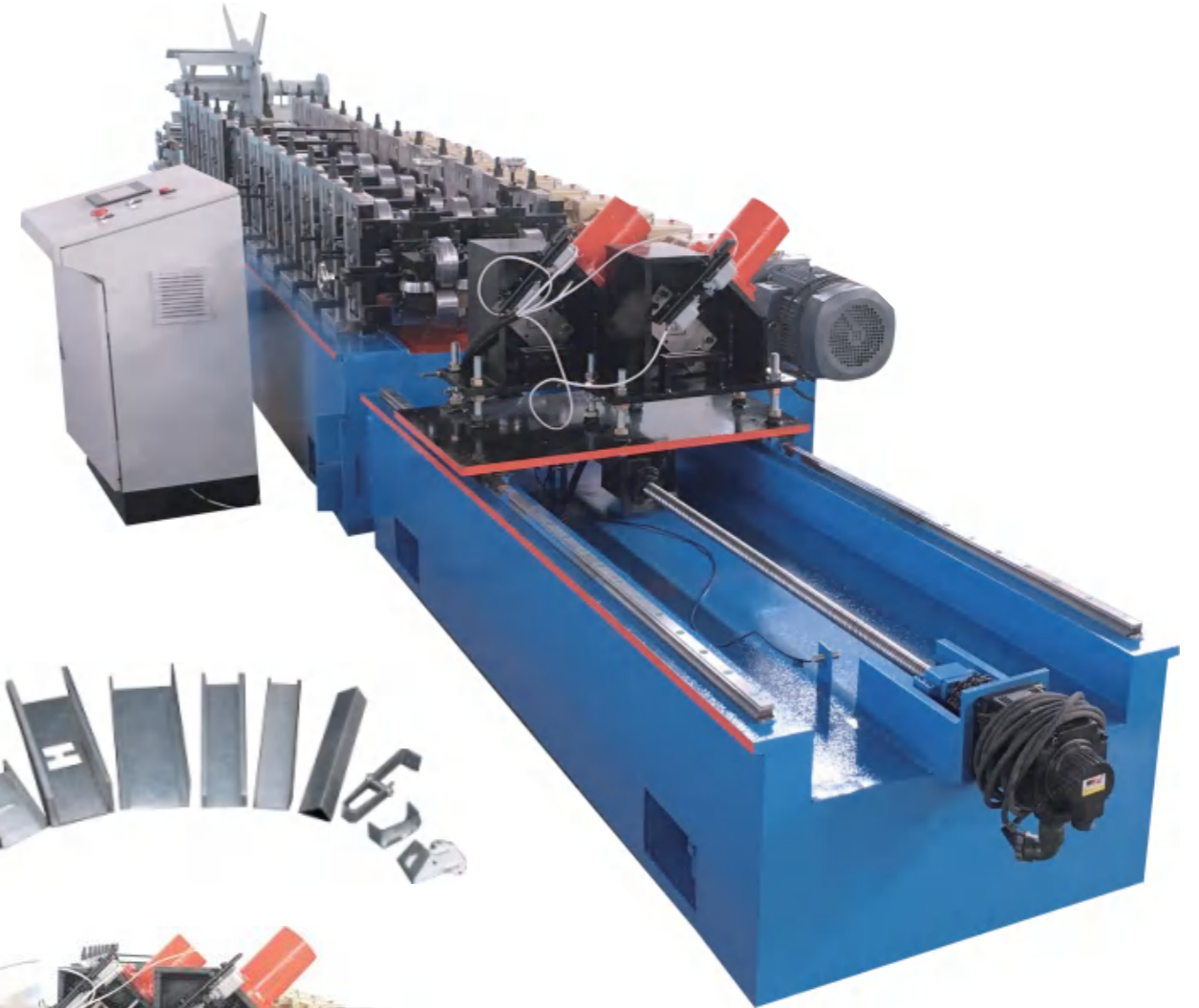
轻钢龙骨设备

MAIN PARAMETERS:

- Suitable Material Thickness: 0.4~1.0mm
- Servo Hydraulic Following Cutting
- Working Speed: 45~55meters/min

WORKING PROCESS:

- Decoiler – Guiding – Roll Former – Servo Hydraulic Following Cutting – Out Table



DOOR FRAME FORMING MACHINE

门框成型机

MAIN PARAMETERS:

Forming Steps: 25 stations
Main Power: 18.5KW
Working Speed: 5~10meters/min

WORKING PROCESS:

Decoiler – Guiding and leveler – Bending gap punching device – Roll former – Lock slot punching device – Adjusting device – Hydraulic punching device – Out table



FENCING POST FORMING MACHINE

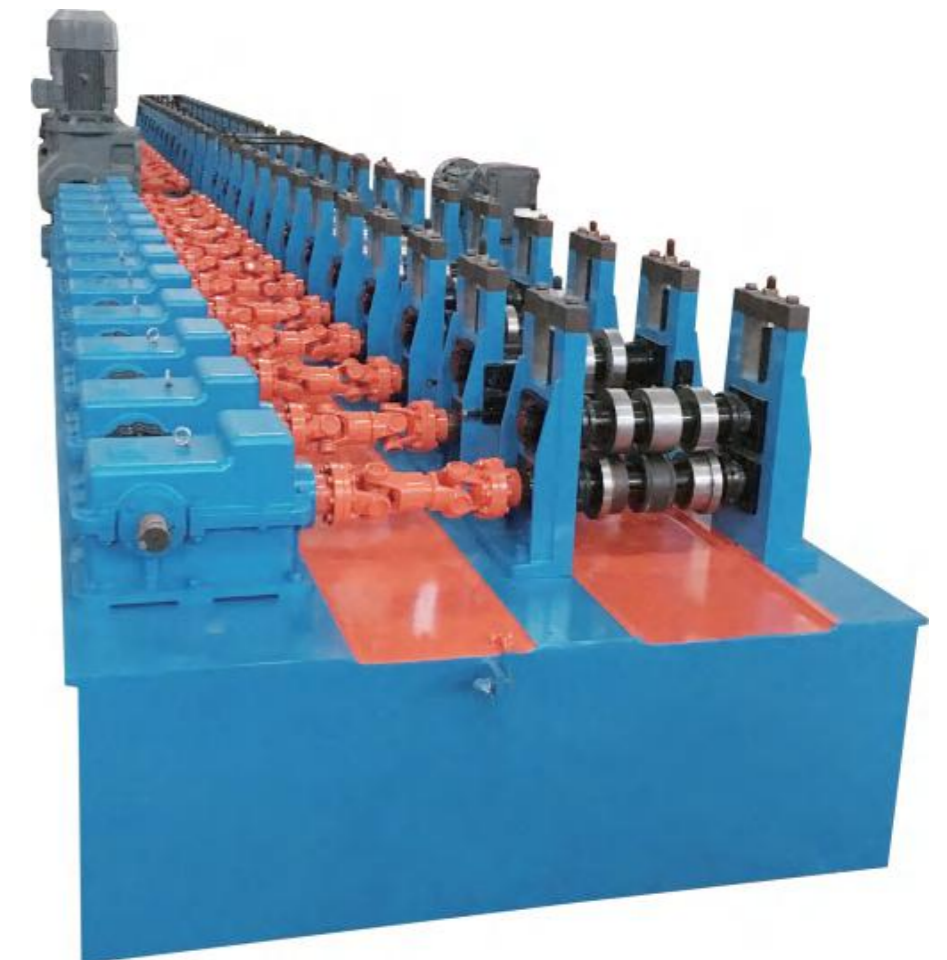
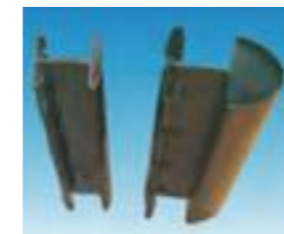
立柱成型机

主要参数:

3吨料架
成型道数: 22道
材料厚度: 0.8~1.2mm
主电机功率: 15KW (飞锯切断)

MAIN PARAMETERS:

3ton decoiler
Forming Stations: 22 stations
Material thickness: 0.8~1.2mm
Main power: 15KW
Saw cutting



WORKING PROCESS:

Decoiler – Guiding and leveler – Roll former – punching device – Adjusting device – Saw cutting device – Out table

开卷机 – 导向 – 成型主机 – 冲孔 – 飞锯切断 – 出料 – PLC 控制

STORAGE RACK FORMING MACHINE

货架成型机

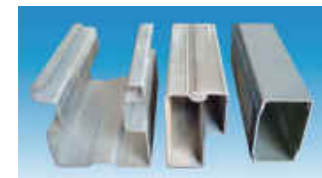


主要参数:

- 成型道数: 18道
- 材料厚度: 2.0~2.5mm (齿轮箱传动)
- 主电机功率: 18.5KW (液压切断)
- 生产速度: 8~10米/分钟

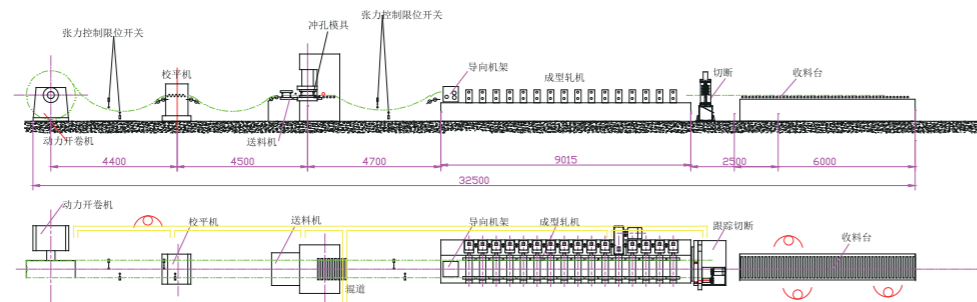
MAIN PARAMETERS:

- 3ton decoiler
- 80ton pressing machine
- Material thickness: 2.0~2.5mm
- Forming stations: 18 stations
- Main power: 18.5KW
- Gear box transmission
- Hydraulic cutting
- Working speed: 8~10 meters/min



WORKING PROCESS:

Decoiler – leveling device – Feeding device (servo motor) – Punching device – Roll forming Machine – Hydraulic cutting – Run out table



BEAM FORMING MACHINE

货架横梁成型机

MAIN PARAMETERS:

- Material thickness: 1.5~2.0mm
- Machine power: 7.5KW
- Forming Steps: 14 stations
- One machine can make different sizes.

Beam Joint machine can make two pieces beam joint together.

WORKING PROCESS:

Decoiler – Guiding – Roll former – Cutting – Out Table



● Beam Joint Machine

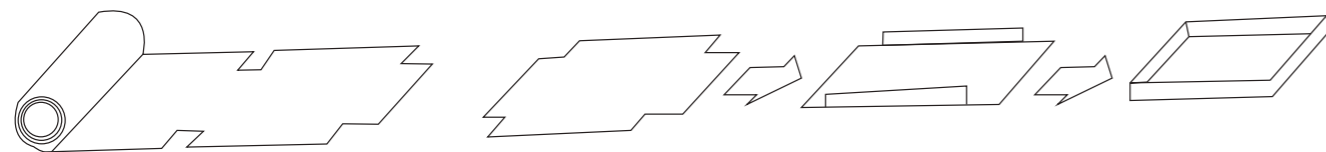


ELECTRIC CABINET FORMING MACHINE

电柜成型机

WORKING PROCESS:

Decoiler – leveling device – Feeding device (servo motor) – Hydraulic punching device – Roll – forming Machine – hydraulic bending and cutting – Run out table



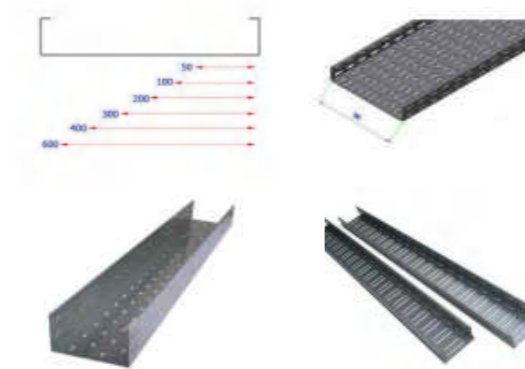
● 盒板生产步骤示意图

CABLE TRAY FORMING MACHINE

电缆桥架设备

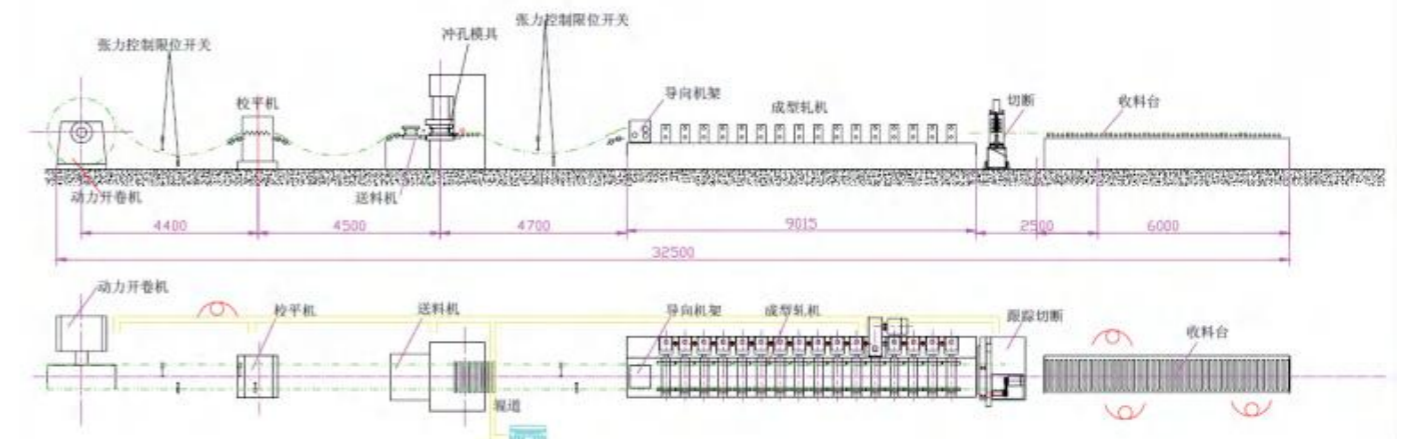
MATERIAL PARAMETER

5ton manual decoiler
 Leveler and feeder
 200ton pressing machine
 Adjustable width: 50~600mm
 Material thickness: 1.0~2.0mm
 Working Speed: 3~8metrs/min
 Main Power: 7.5KW
 Hydraulic cutting



WORKING PROCESS:

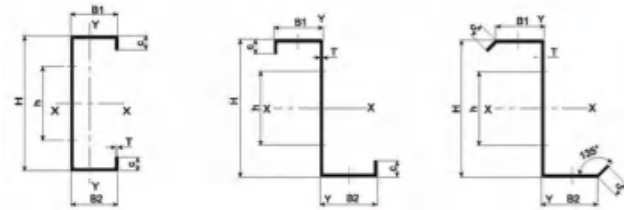
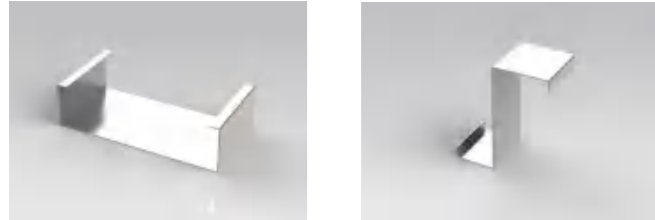
Decoiler – leveler– Feeder– Pressing Machine– Guiding– Roll Former – Hydraulic Cutting – Out Table – PLC control



CZ INTERCHANGE FORMING MACHINE

CZ 互换设备

This machine can produce C and Z purlin in one machine, by turn around one side of the rollers. Also can make all specifications of C and Z purlins.



Item	CZ Purlin					Hole (mm) h
	Size (mm)					
	H	B1	B2	C	T	
CZ80	80	40	40	15	1.5~3.0	adjustable
CZ100	100	50	50	20	1.5~3.0	adjustable
CZ120	120	50	50	20	1.5~3.0	adjustable
CZ140	140	50	50	20	1.5~3.0	adjustable
CZ160	160	60	60	20	1.5~3.0	adjustable
CZ180	180	60	60	20	1.5~3.0	adjustable
CZ200	200	60	60	20	1.5~3.0	adjustable
CZ220	220	70	70	20	1.5~3.0	adjustable
CZ250	250	70	70	20	1.5~3.0	adjustable
CZ280	280	80	80	20	1.5~3.0	adjustable
CZ300	300	80	80	20	1.5~3.0	adjustable



GUARDRAIL PRODUCTION LINE

高速护栏设备

主要参数:

成型道数: 16道
 主机功率: 40KW
 液压冲孔/液压切断
 材料厚度: 2.5~3.5mm
 成型速度: 8~10米/分钟

MAIN PARAMETERS:

5ton decoiler
 leveler
 Hydraulic punching device
 Roll former
 hydraulic cutting device
 Forming Stations: 16 stations
 Main power: 40KW
 Material thickness: 2.5~3.5mm
 Hydraulic power: 11kw
 Working speed: 8~10m/min

WORKING PROCESS:

Decoiler – leveling device – Feeding device (servo motor) – Hydraulic punching and cutting device – Roll-forming Machine – Hydraulic cutting – Run out table



SOLAR STRUT ROLL FORMING MACHINE

光伏支架设备

主要参数:

3吨开卷机
80吨冲床
成型道数: 26道
液压切断



MAIN PARAMETERS:

3ton decoiler
80ton pressing machine
Forming stations: 26 stations
Hydraulic cutting
PLC controller



WORKING PROCESS:

Decoiler – leveling device – feeding device (servo motor) – Pressing machine – Roll-forming Machine – Hydraulic cutting – Run out table

DOWN PIPE FORMING MACHINE

落水管设备

主要参数:

3吨开卷机
材料厚度: 0.4~1.0mm
成型道数: 20道
主机功率: 4KW (链条传动)
成型速度: 8~12米/分钟

MAIN PARAMETERS:

Material thickness: 0.4–1.0mm
Forming Steps: 20 stations
Main Power: 4KW



WORKING PROCESS:

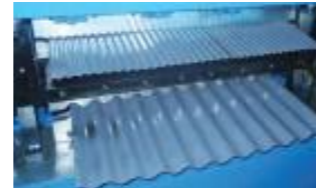
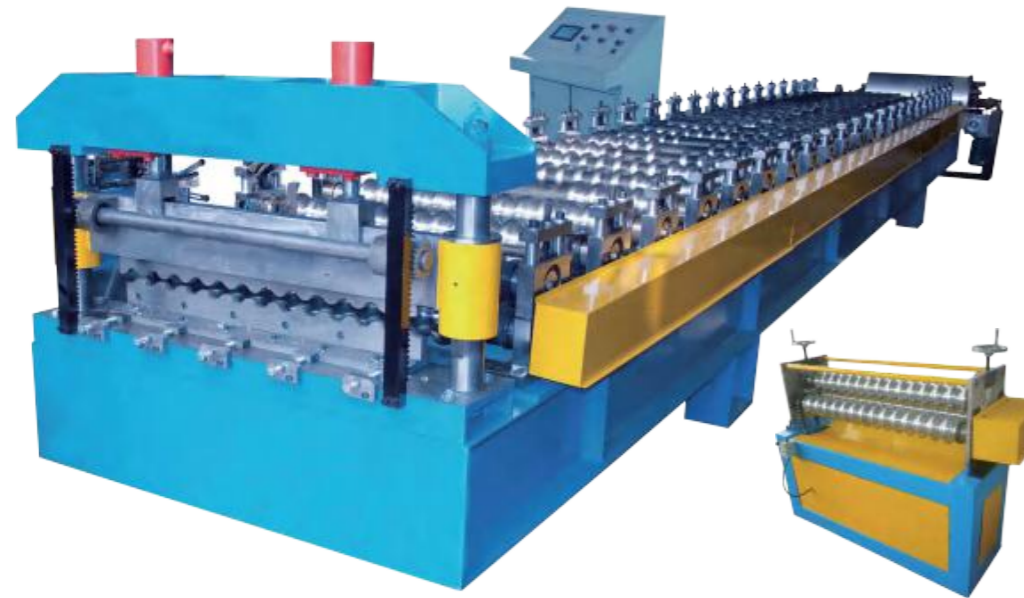
Decoiler – Guiding – Roll Former – Cutting – Out Table

ROOF PANEL FORMING MACHINE

屋面板设备

MATERIAL PARAMETER

Material thickness: 0.3–0.8mm
 Working speed: 25–30m/min
 Roll station: 18 stations (depend on the profile)
 Main power: 5.5KW
 Hydraulic power: 3KW



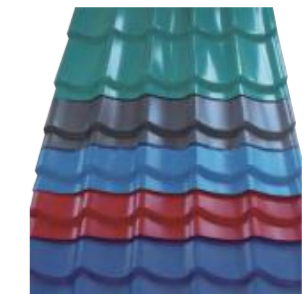
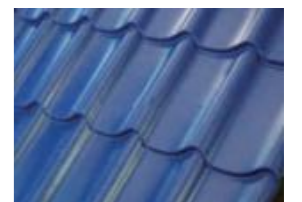
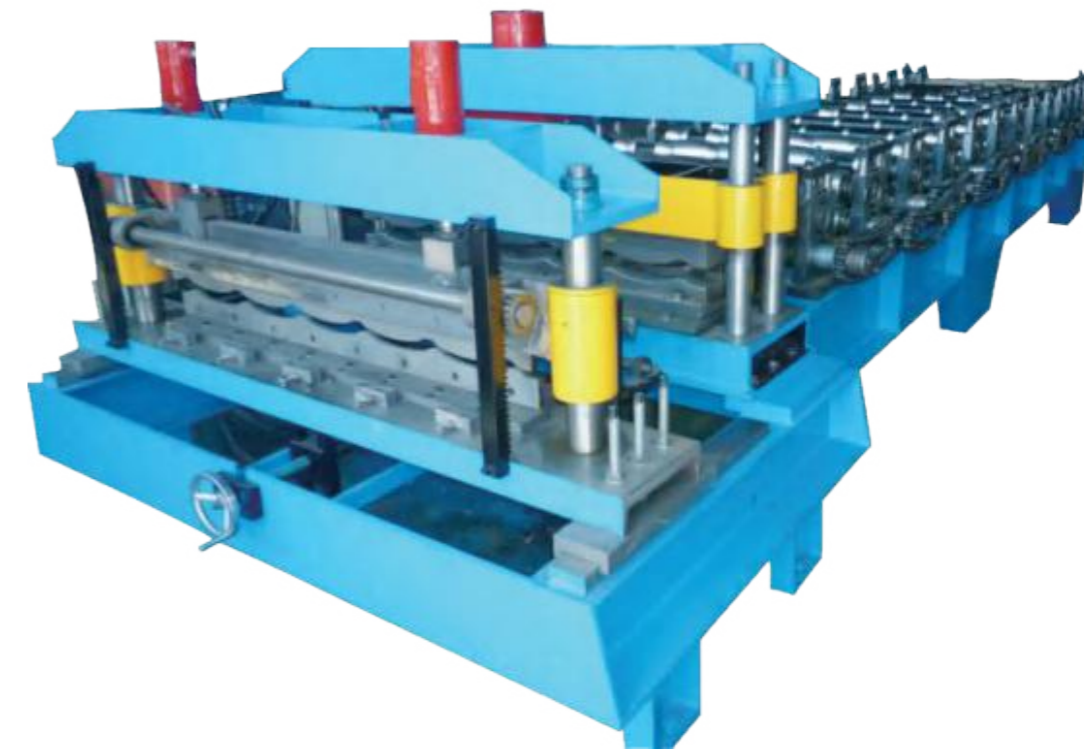
● Thickness:0.18-0.3mm,G550

STEP-TILE ROOF FORMING MACHINE

琉璃瓦设备

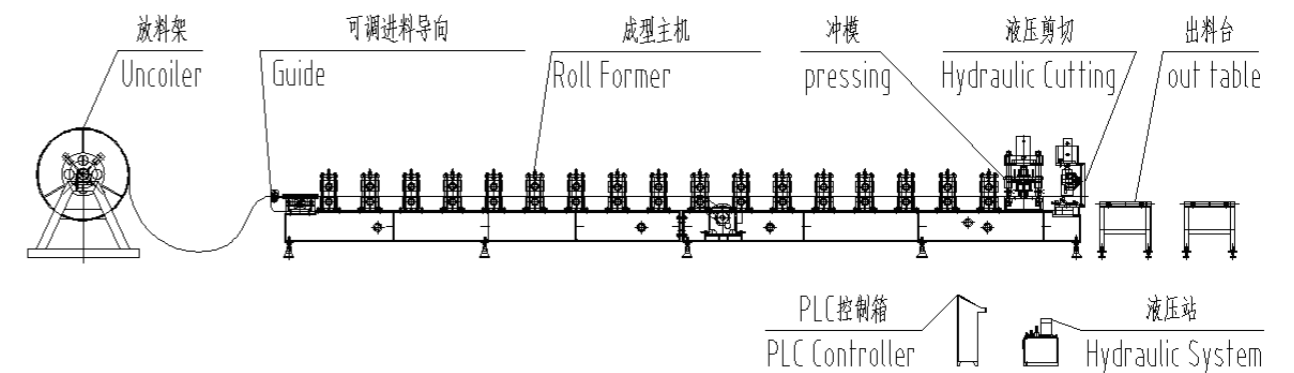
MATERIAL PARAMETER

Material thickness: 0.3–0.8mm
 Working speed: 2~4m/min
 Roll station: 18 stations (depend on the profile)



MATERIAL PARAMETER

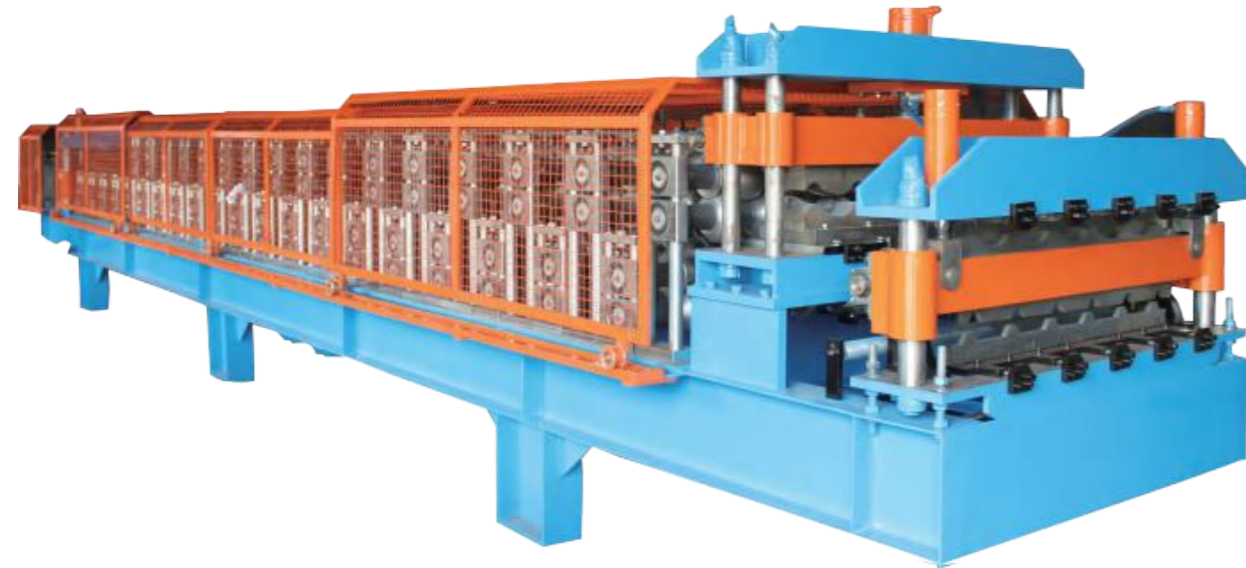
Material thickness: 0.3–0.8mm
 Working speed: 25–30m/min
 Roll station: 18 stations (depend on the profile)
 Main power: 5.5KW
 Hydraulic power: 3KW



DOUBLE LAYER ROOF PANEL FORMING MACHINE

双层屋面板设备

Make Two Different Roof Profiles In One Machine,
By Upper And Lower Layers.
Note: Two Layer Roof Panel Cannot Work At Same Time.

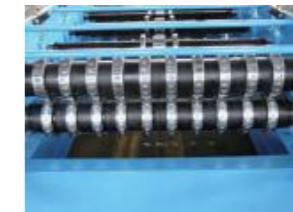
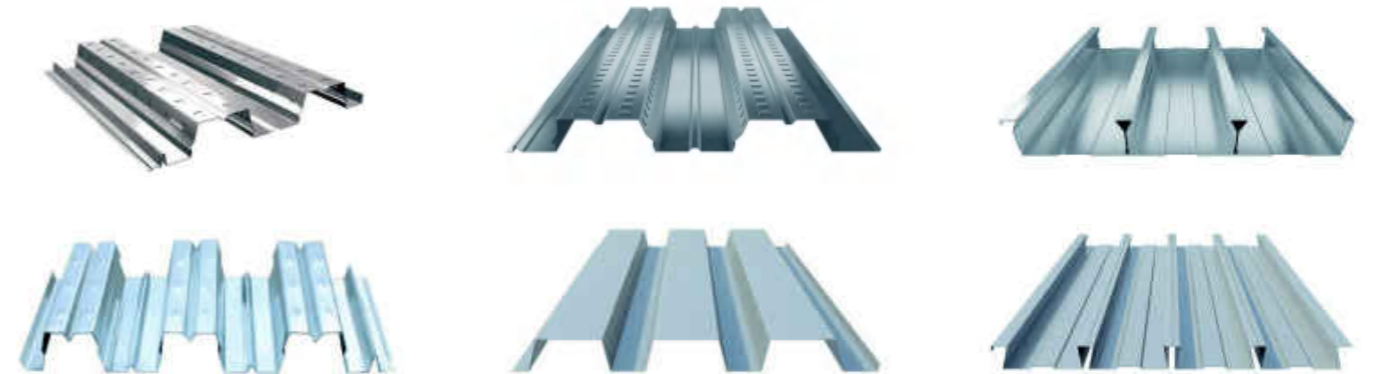


DECKING FLOOR FORMING MACHINE

楼承板设备

MATERIAL PARAMETER:

Material thickness: 0.8–1.5mm
Work speed: 12–15m/min ■
Roll station: Depending on the profiles
Driven: Chain Transmission

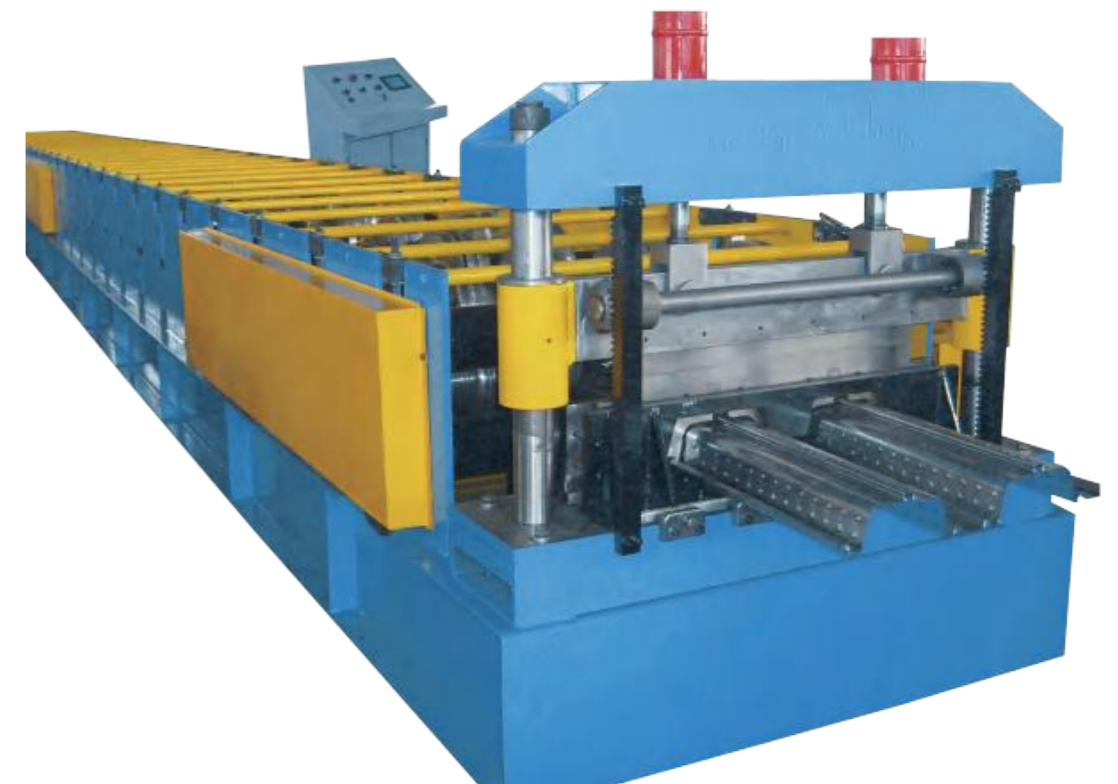


RIDGE CAP FORMING MACHINE 屋脊瓦设备



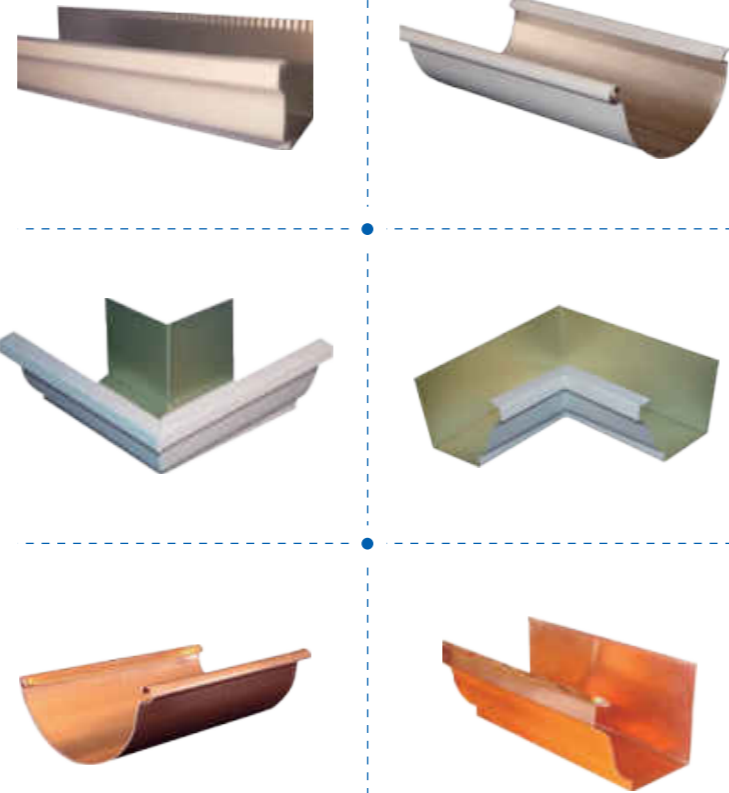
WORKING PROCESS:

decoiler – Guiding – roll forming – pressing device – hydraulic cutting – run out table



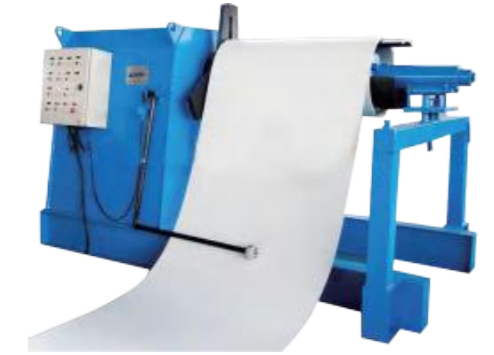
GUTTER FORMING MACHINE

水槽设备



DECOILER AND STACKER

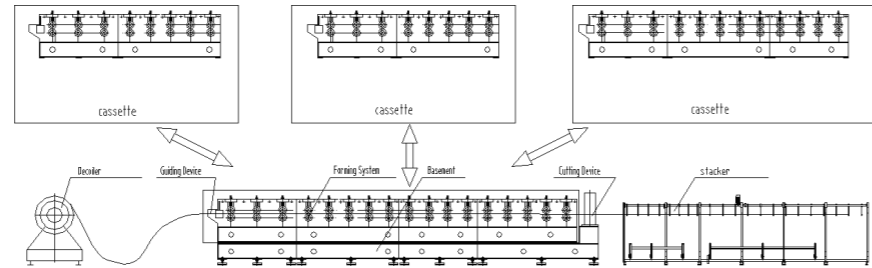
料架码垛



QUICK CHANGE CASSETTE MACHINE

快换设备

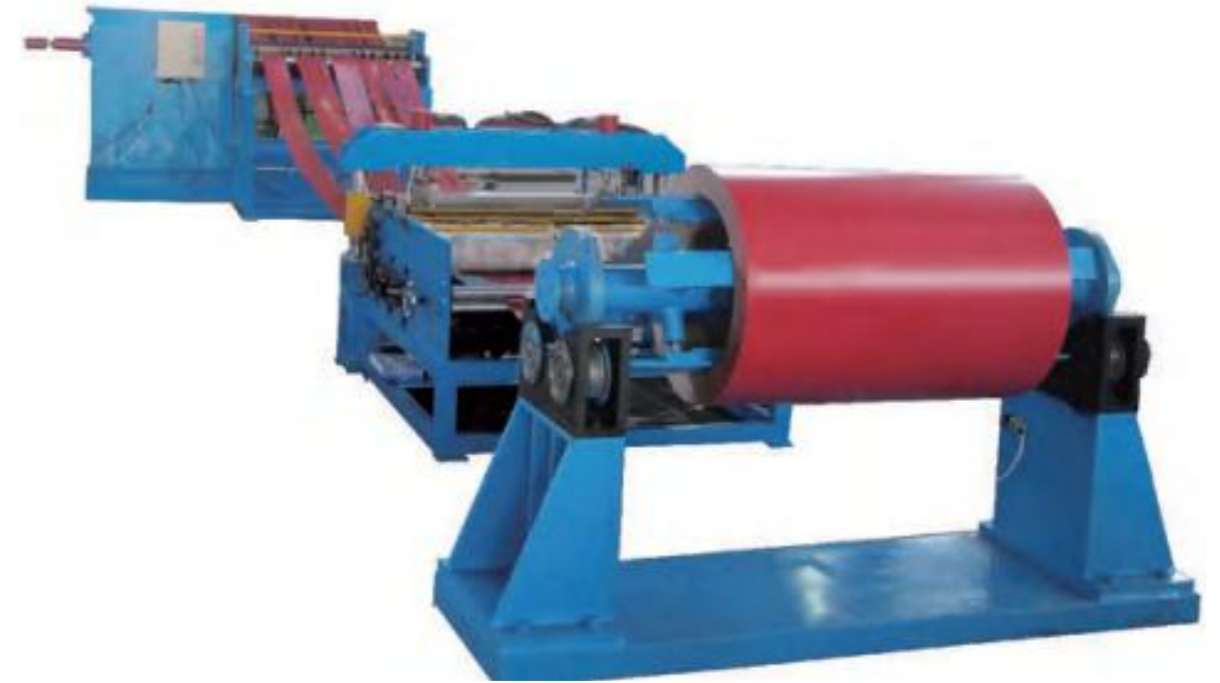
Quick change machine is to change cassette in one machine to change different profiles, it can save space and cost for customers.



WORKING PROCESS:

Decoiler – Guiding and leveler – Slitter – shear – Tension device – Revoiler

Suitable Material Thickness: 0.3~1.5mm
Material Width: Max.1500mm



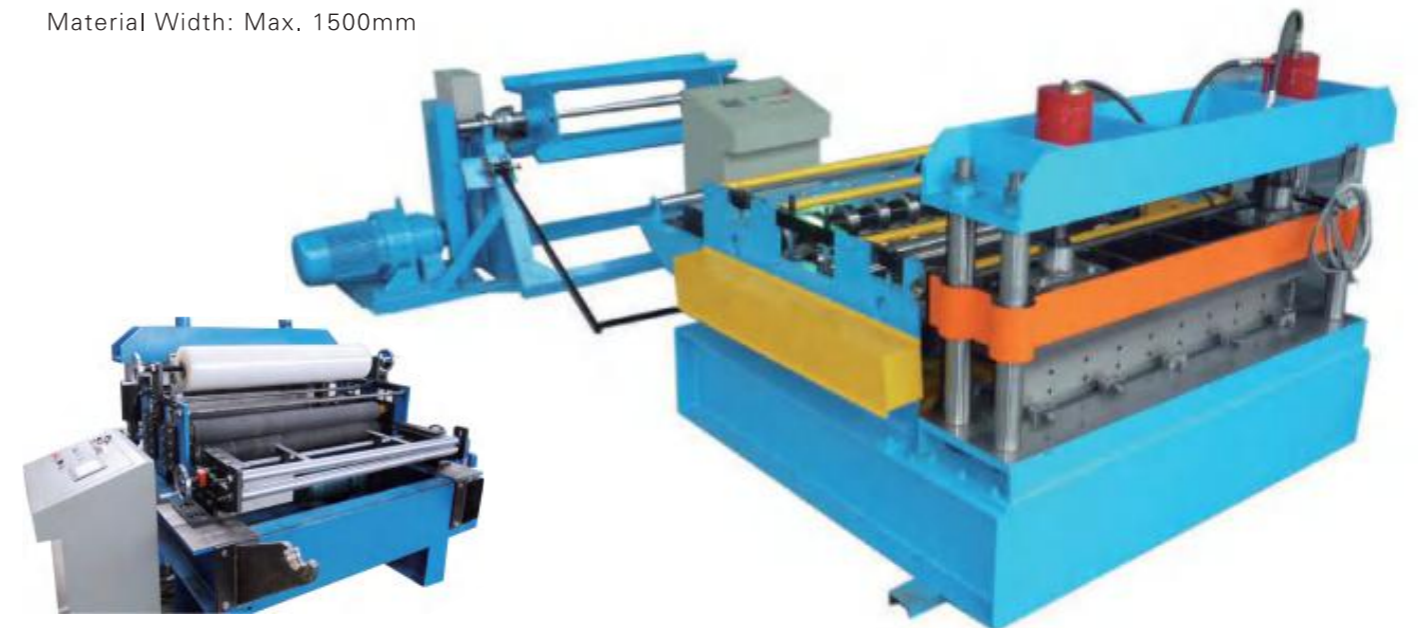
SIMPLE SLITTING AND CUT TO LENGTH MACHINE

简易分条横切设备

WORKING PROCESS:

Decoiler – Feeder and leveler – Shear – Run Out Table

Suitable Material Thickness: 0.3~1.5mm
Material Width: Max. 1500mm



**DECORATIVE PANEL
PRODUCTION LINE
(INSIDE BUILDING PANEL)**

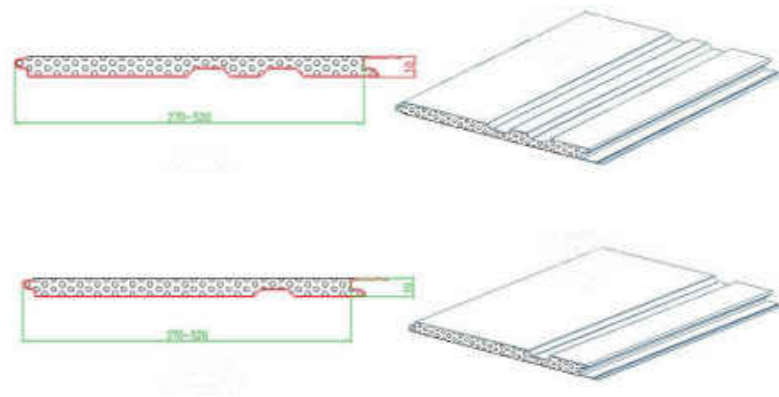
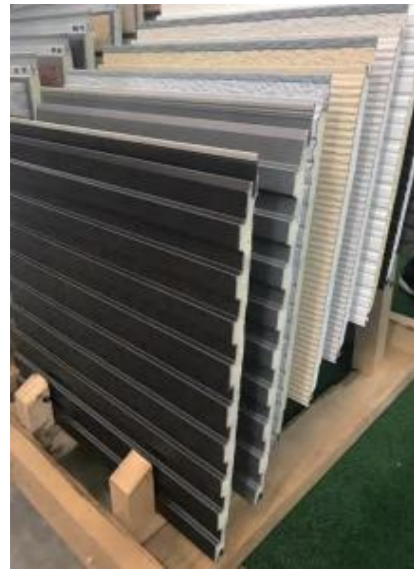
内墙保温装饰板设备

主要参数:

铝板厚度: 0.4~0.6mm
产品宽度: 280~550mm
生产速度: 3~5m/min

MAIN PARAMETERS:

Suitable Material: Aluminum/PPGI
Thickness: 0.4~0.6mm
Finished Panel Width: 280~550mm (Adjustable)
Working Speed: 3~5m/min
Main Power: 40KW
Servo Following Saw Cutting



WORKING PROCESS:

Decoiler – Feeding Material – Roll Former – Pre-heating – PU Foam Injection – Laminating – Belt Conveyor – Servo Following Saw Cutting – Out Table

**DECORATIVE PANEL
PRODUCTION LINE
(OUTSIDE BUILDING PANEL)**

外墙保温装饰板设备

主要参数:

铝板厚度: 0.3~0.5mm
产品宽度: 280~550mm
生产速度: 3~5m/min

MAIN PARAMETERS:

Suitable Material: Aluminum/PPGI
Thickness: 0.3~0.5mm
Finished Panel Width: 280~550mm (Adjustable)
Working Speed: 3~5m/min
Main Power: 40KW

