



合作 | 共赢 | 创新 | 发展
WIN-WIN COOPERATION AND INNOVATION

沧州中拓冷弯成型设备有限公司

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FACTORY VR SHOW:



公司简介

COMPANY PROFILE



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中拓机械来自中国河北省，是一家致力于设计和制造不同类型冷弯成型机的厂家。我们是一家历史悠久的工厂，从事冷弯成型机的设计和制造始于2006年。我们可以生产的机器包括：屋面瓦机，CZ型钢机，轻钢龙骨机，金属压花机，门类成型机，吊顶系统成型机，高频焊管机，纵剪线，横剪线，货架系统成型机，楼承板机，彩石瓦生产线，热覆膜机等。

Cangzhou Zhongtuo Roll Forming Machinery Co., Ltd. comes from Hebei—China. It is a manufacturer dedicated to design and manufacture different types of cold roll forming machines. We are a factory with a long history, engaged in the design and manufacture of roll forming machines since 2006. The machines we can produce include: roof tile making machine, cz purlin making machine, light steel keel making machine, metal embossing machine, door system forming machine, ceiling system forming machine, high frequency pipe welding machine, slitting line, cut to length line, shelf system forming Machine, floor decking forming machine, color stone tile production line, hot laminating filmed machine, etc.

在此基础上，中拓也结合国际趋势与市场需求，研发了一种多功能高速复合金属板材机，并取得了相关证书。此项研发以金属材料为基板，可以复合多达8层材料，通常由防腐透明层+铝箔+高分子膜+基板+高分子膜+发泡层+铝箔+防腐层构成。相比普通的金属屋面瓦，此款新型材料具有隔音降噪，抗冷凝水防漏雨，耐酸耐碱防腐蚀等优点。经过五道高温热贴合工序，两道胶水贴和工序，此项工艺相比于普通的EPS/PU夹芯板加工工序，更省时省工，以更低的成本造出使用寿命更长的板材。而在此新型材料的基础上，我们不仅有制造新型材料的设备，还优化了现有的屋面瓦等设备，既可以加工普通的PPGI金属材料，还可以加工新型复合材料，成品易于使用，不会产生弯曲上翘的现象。

On this basis, Zhongtuo has also developed high speed multi-functional metal composite panel forming machine based on international trends and market demands, and has obtained relevant certificates. This research and development uses metal materials as the substrate, which can be combined with up to 8 layers of materials, usually composed of anti-aging transparent layer + aluminum foil + polymer film + substrate + polymer film + foam layer + aluminum foil + anti-corrosion layer. Compared with ordinary metal roof tiles, this new type of material has the advantages of sound insulation and noise reduction, anti-condensation and rain-leakage, acid and alkali resistance and corrosion resistance. After five high-temperature thermal bonding processes, two high-strength anti-aging glue pastes and processes, this process is more time-saving and labor-saving compared to the ordinary EPS/PU sandwich panel processing process, and is manufactured at a lower cost. Produce longer-life plates. And on the basis of this new material, we not only have equipment for manufacturing new materials, but also optimized the existing roofing tiles and other equipment, which can process ordinary PPGI metal materials as well as new composite materials. The finished products with high quality and easy to use. Will not produce bending and upturning phenomenon.

公司把质量就是生命的理念灌输到每一位员工的心中。在提高生产效率，缩短交货时间的同时格把控设备质量。所有设备均坚持在发货前进行试机，不将有问题的设备交付给客户。我们有丰富的出口经验，了解发展中国家和发达国家客户的不同需求，多年来为客户提供了许多令人满意的设备方案。如今，我们的设备已经出口到全球150多个国家，与客户建立了长期稳定的合作关系，获得了客户的一致好评。

Company instilled the concept of "time is money, quality is life" into the hearts of every employee. In improving production efficiency and shortening delivery time same time the quality of the equipment is also controlled. All equipments are tested before shipment, and problematic equipment will not delivered to customers. We have rich export experience and know the different needs of customers in developing and developed countries. For many years We have provided many customers with satisfactory equipment solutions. Nowadays, our equipments had been exported to more than 150 countries around the world, and we have established long-term and stable cooperative relations with customers and won unanimous praises from customers.

企业发展愿景：成为全球有影响力的冷弯成型设备及配套产品一站式供应商。

Enterprise development vision: Become a global one-stop supplier of cold roll forming machines and accessories.

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- 23页--高速护栏系统设备 Highway guardrail machine
- 24页--C型钢设备 C purlin making machine
- 25页--CZ型钢设备 CZ purlin making machine
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- 33页--卷帘门系统设备 Roller shutter door machine
- 35页--门框类设备 Door frame machine
- 36页--防火门 Anti-fire door panel machine
- 37页--金属压花设备 Metal embossing machine
- 39页--电缆桥架设备 Cable tray machine
- 41页--货架立柱系统设备 Rack system machine
- 43页--高频焊管机 High frequency welded pipe production line
- 45页--慢速激光焊管机设备 Laser/TIG Profile welding machine
- 47页--纵剪线设备 Metal slitting machine
- 49页--横剪线设备 Metal cut to length machine
- 50页--光伏支架抗震支架设备 Solar panel bracket machine
- 51页--全鑫功能瓦生产线 Anti-condensation felt machine
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为什么选择和中拓合作?

Why choose to cooperate with ZHONGTUO ?

1. 独特的用于金属卷材加工的解决方案

中拓冷弯成型设备是中国领先的卷材处理设备品牌之一，成立于2006年。我们的使命是为客户提供优质的金属辊轧解决方案和售后服务。我们的机器提供多种卷材送料设备，包括开卷机，矫直机，送料机以及自动辊压成型机。例如：彩钢屋面瓦机，檩条成型机，热覆膜机等。可以更高效，更准确地执行金属加工，提高可靠性，减少浪费，提高生产效率。

Unique coil processing solutions for metal working

Zhongtuo cold roll forming machinery is one of the leading Chinese coil handling equipment brand founded in 2006. Our mission is to provide our customers with the very best quality metal rolling automation solutions and after-sales service. Our machine offers a wide range of coil feeding equipment, including Decoiler, Steel Straightener, Coil Feeder as well as numerous rolling automation machines like color steel roofing sheet machines, purlin machines, hot filming machine and others. Metal coil processing can be carried out more efficiently and more accurately for better reliability, less waste, and improved productivity.



2. 设备的研究与开发

中拓冷弯成型设备致力于根据客户的需要提供定制的金属加工解决方案。中拓拥有经验丰富的技术团队和孜孜不倦的研发团队，能够提供满足更高国际标准的卷材处理解决方案。

定制卷材加工解决方案

专业技术团队

持续研究和不断的新品开发

Equipment Research and Development

Zhongtuo Rolling Machine Equipment commits to provide customized coil processing solution according to each customer's specific metalworking process. With experienced technical team and continuous researching investment, Zhongtuo is capable to offer coil handling solutions that meet higher international standards.

Customized Coil Processing Solution

Professional Technical Team

Continuous Researching



3.生产质量控制

得益于精密的机床和熟练的工人，中拓冷弯机械已成为可靠的卷材处理解决方案制造商。从备件准备到设备组装，我们的机器均可为客户提供实时制造更新。从原材料控制，备件检查到机器组装，中拓冷弯机械执行严格的质量控制流程。我们致力于提供具有工作稳定性，操作安全性并实现精确的冷弯成型加工设备。确保不让任何一个不合格设备离开工厂。

精密机床
技术工人
制造过程

Manufacturing Quality Control

Thanks to the precision machine tools and skilled workers, Zhongtuo cold rolling machinery has become a reliable coil handling solution manufacturer. From spare parts preparation to equipment assembly, our machine can offer real-time manufacturing update for our valued customers. From raw material control, spare parts inspection and machine assembly, Zhongtuo machine factory implements a strict quality control process. We commit to offer coil handling equipment with working stability, operation safety, and achieve precision straightening and feeding performance. All work are just for making sure all the products of machines are qualified.

Precision Machine Tool
Skilled Workers
Manufacturing Process



我们的团队和合作案例

our team and cooperatoion cases



ABU DHABI, UAE



EGYPT



KENYA



BAHRAIN



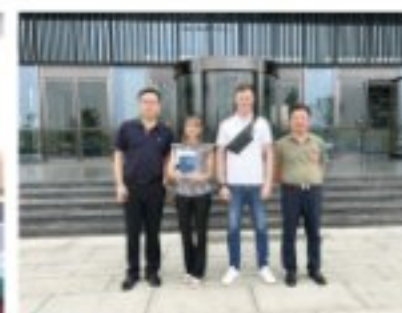
DUBAI



S.AFRICA



IRELAND



RUSSIA



PAKISTAN



MOROCCO



AMERICA



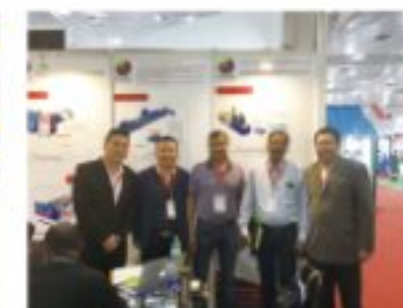
SOUTH AFRICA



ALGERIA



AMERICA



INDIA



POLAND



AMERICA



UAE



INDIA



THAILAND

团结合作



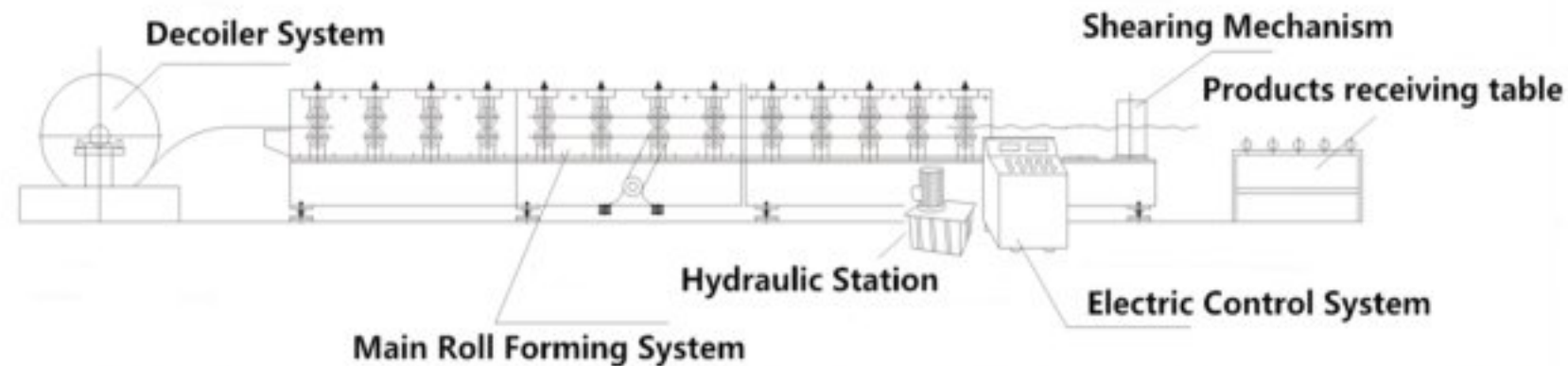
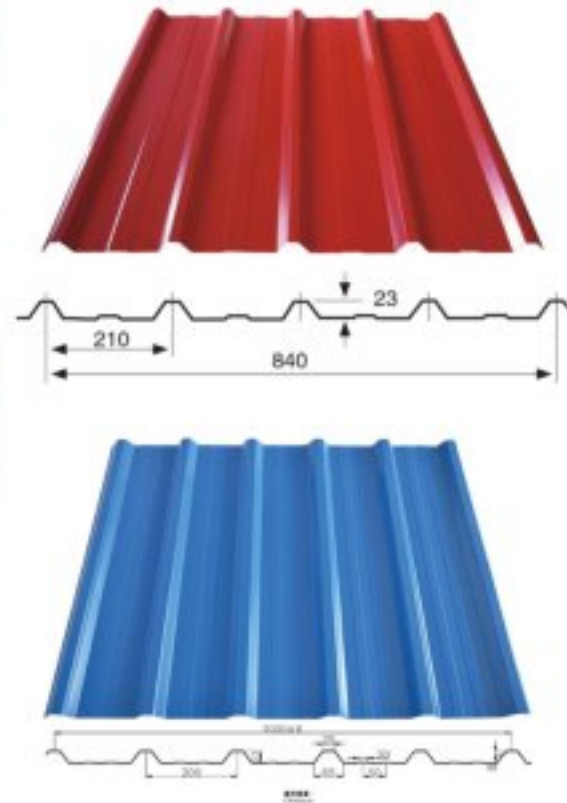
梯形彩钢瓦设备 Trapezoidal (IBR) roofing sheet machine

Main parameter:

Thickness: 0.3–0.8mm

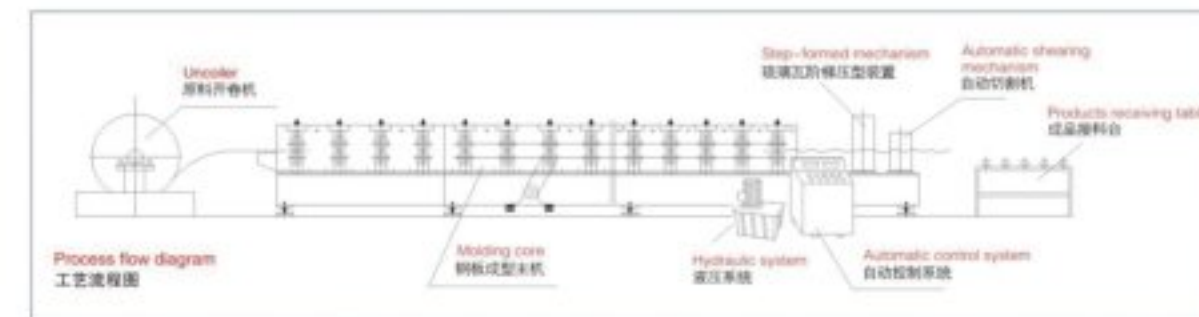
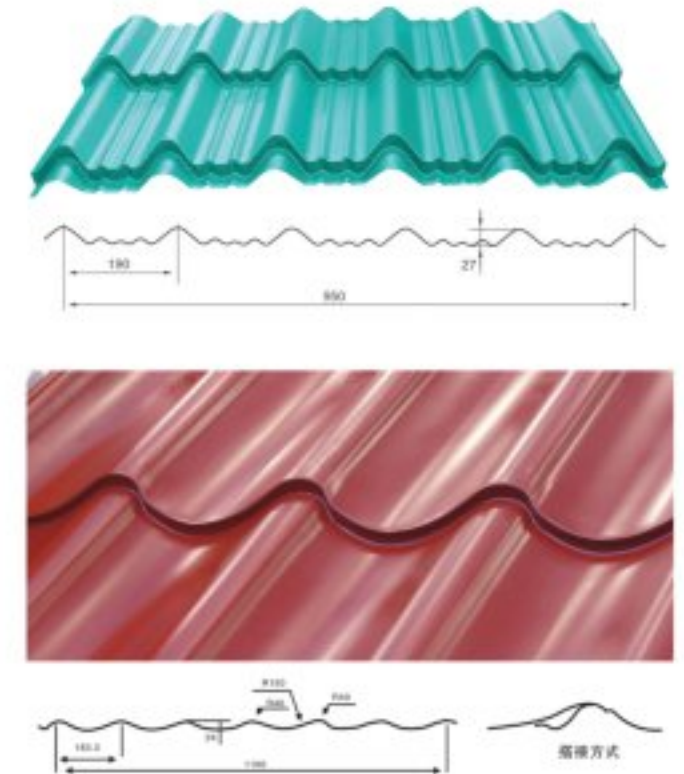
Material width: 914–1450mm

Effective width: 760–1260mm



仿古琉璃瓦设备 Glazed tile roofing sheet machine

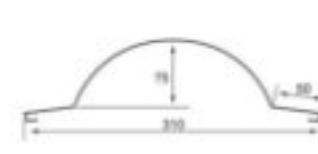
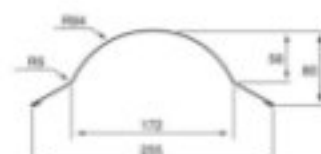
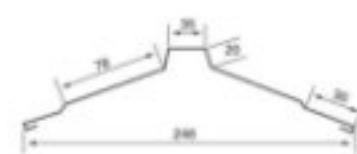
This series tile forming machine is a new generational type with high accurate and high-efficient, including decoiler system, sheet guiding system, roll forming system, pressing system, cutting system, auto-stocker system, hydraulic system, controlling system etc. Material thickness: 0.3–0.8mm Parameters: maximum speed: 0–5m per minute Working flow: Decoiling –guiding and feeding –roll forming –pressing –cut to length–run out table



屋脊瓦设备 Ridge cap machine

Main parameters:

Material thickness: 0.3-0.6 mm
Number of rollers: 11 stations
Machine motor power: 3 kw
Hydraulic pump power: 3 kw
Language: Chinese and English
Forming speed: 0-15 m per minute



压型钢板型号 Model	展开宽度mm Coil width	用途 Usage
FX-307	380	方形屋脊板 Ridge Cap

压型钢板型号 Model	展开宽度mm Coil width	用途 Usage
FX-248	310	方形屋脊板 Ridge Cap

压型钢板型号 Model	展开宽度mm Coil width	用途 Usage
FX305-255	335	弧形屋脊板 Ridge Cap

压型钢板型号 Model	展开宽度mm Coil width	用途 Usage
FX75-310	410	弧形屋脊板 Ridge Cap



双层彩钢瓦设备 Double layer roofing sheet machine



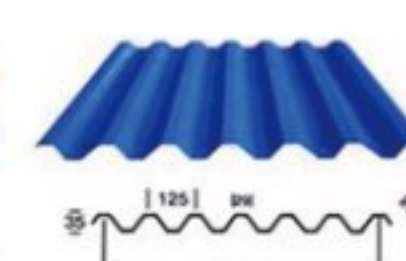
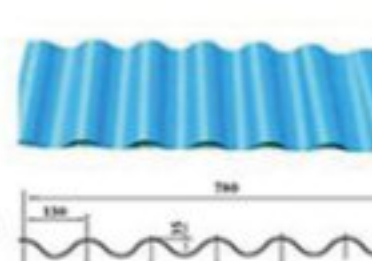
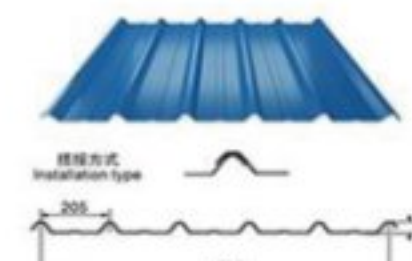
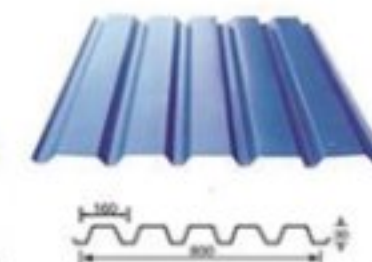
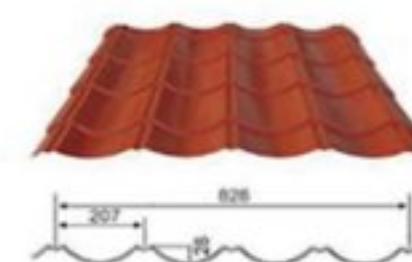
Application of corrugated roof tiles



Application of trapezoidal roof tile



Application of glazed roof tiles



天沟落水管设备 Gutter and downspout machine

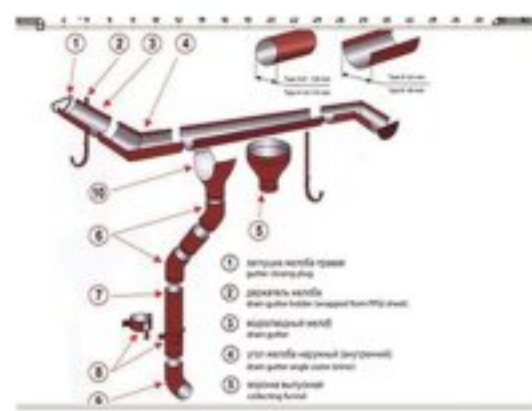
Gutter making machine and downspout making machine

It can produce the sealed color water pipes through forming the colored steel sheet and whipstitch it. It adopts PLC control system, AC frequency conversion speed adjust technology, there it can automatically cut to length.

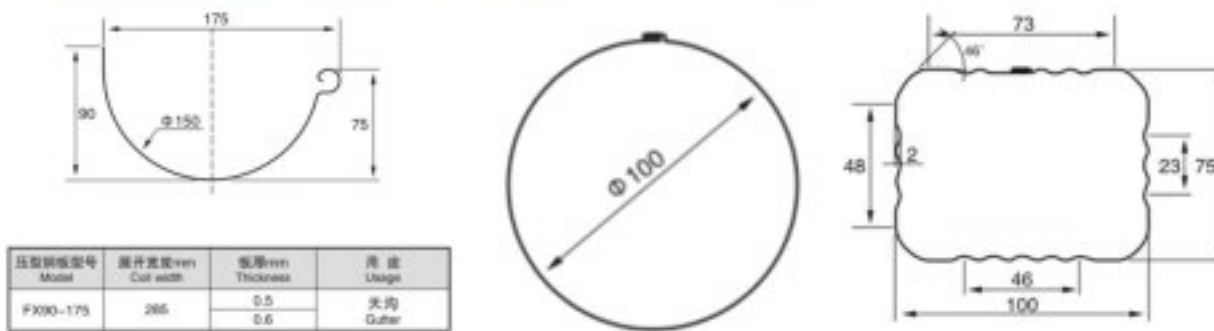


Our pipe making machine could be used to make the pipes in high speed. For this machine, we adopt middle plate weld machine frame to make sure machine working speed and steady. And for the transmission, we will use double chain transmission.

Application photos for you reference:



Downpipe bending machine :

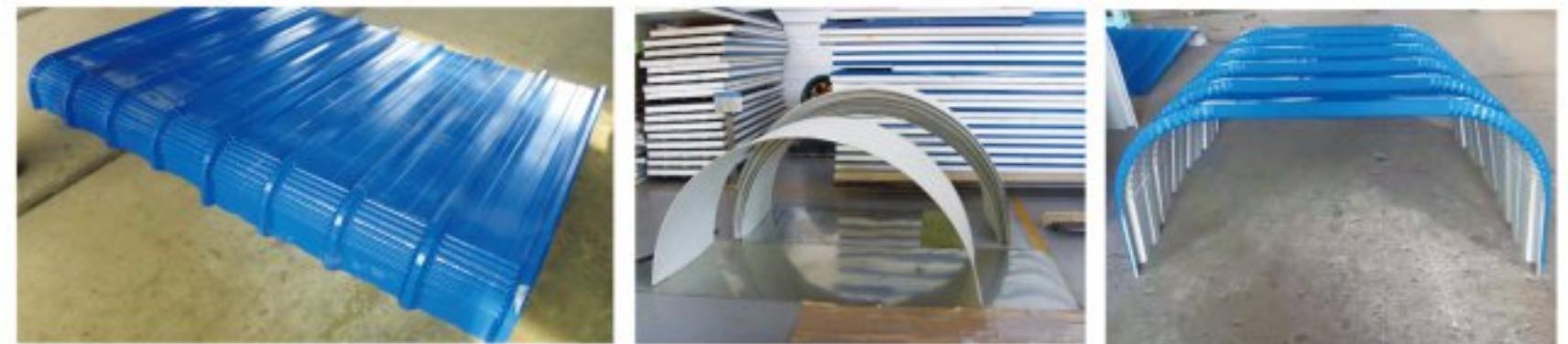
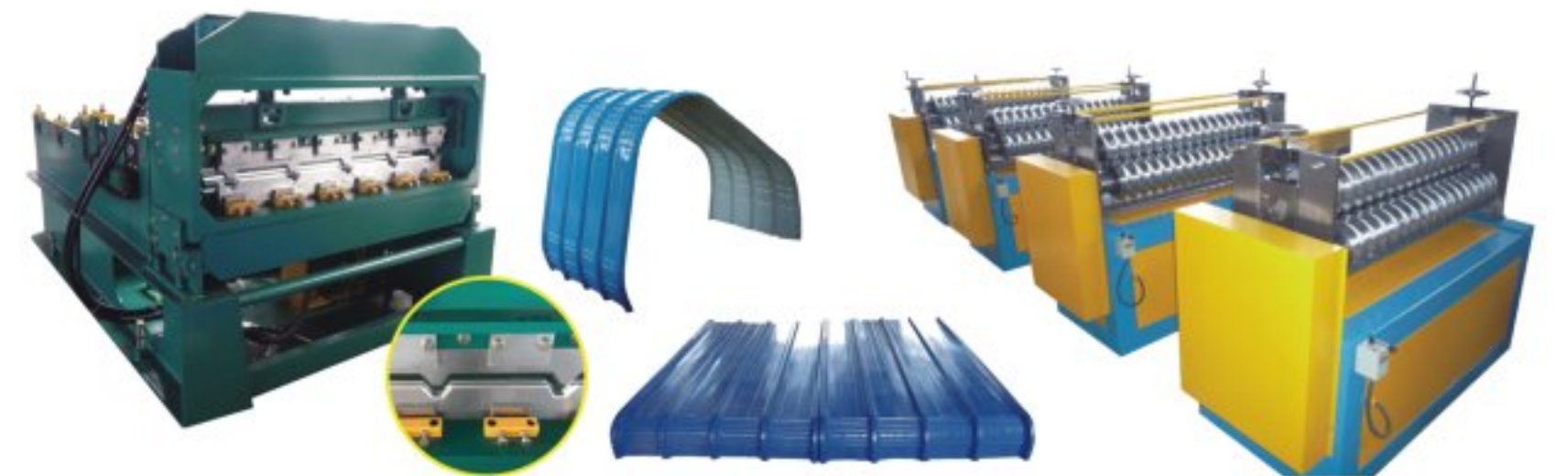


压型钢板型号 Model	展开宽度mm Cut width	板厚mm Thickness	用途 Usage
FX90-175	285	0.5 0.6	天沟 Gutter

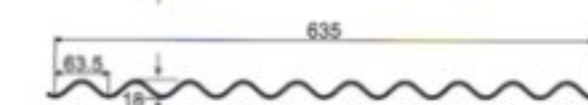
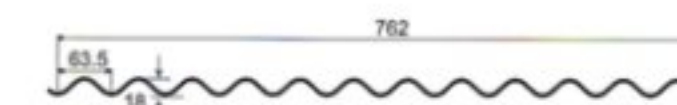
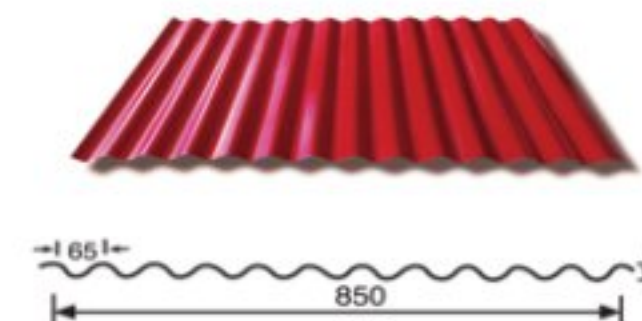
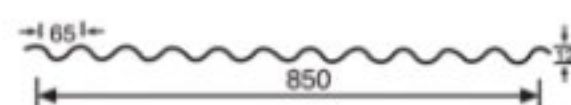
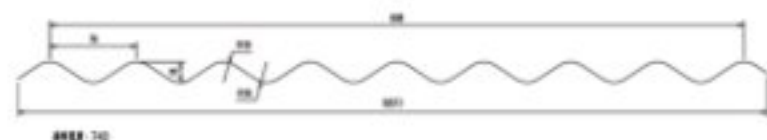
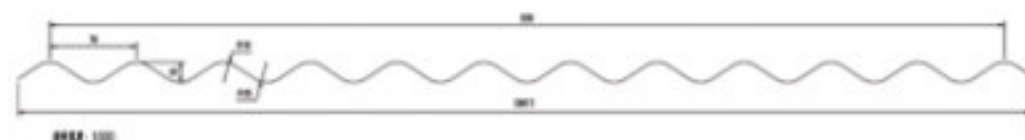
液压打拱机 hydraulic roofing sheet bending machine

This hydraulic curving machine use the ready made roof tile sheets. First step to form the roof tile sheets by roll forming machine and then bend it by the curving machine.

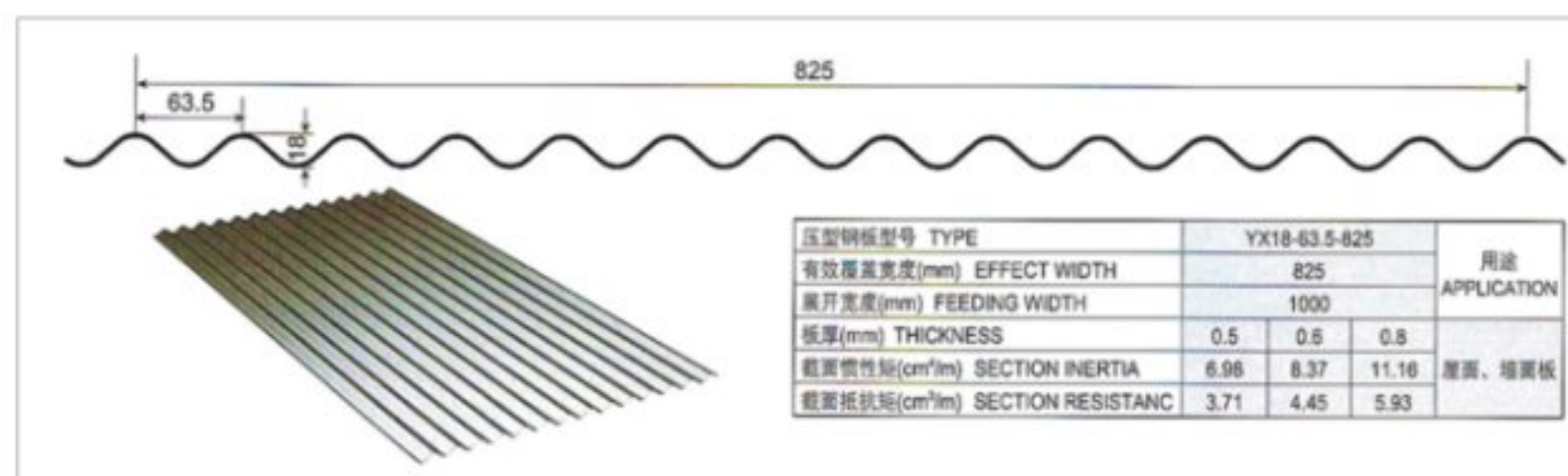
1. This curving machine is hydraulic curving machine.
2. Auto feeding, equipped with encoder.
3. Frequency speed control.
4. Control the tooth crimp space automatically



Drum barrel corrugated sheet rolling machine is developed based on the needs that thin sheet cannot be made to roof sheet by traditional roll forming machine. It can process material thickness from 0.13 to 0.35 mm and the roofing sheet length could be customized according to customer's personal requirement. But limited by roll forming method, this machine needs to feed sheet and receive sheet by manual.



压型钢板型号 TYPE	YX18-83.5-762B35	用途 APPLICATION
有效覆盖宽度(mm) EFFECT WIDTH	762B35	屋面板 墙面板
展开宽度(mm) FEEDING WIDTH	914/762	
板厚(mm) THICKNESS	0.4-0.6	



压型钢板型号 TYPE	YX18-83.5-825			用途 APPLICATION
有效覆盖宽度(mm) EFFECT WIDTH	825			
展开宽度(mm) FEEDING WIDTH	1000			屋面、墙面
板厚(mm) THICKNESS	0.5	0.6	0.8	
截面惯性矩(cm ⁴) SECTION INERTIA	6.96	8.37	11.16	
截面抵抗矩(cm ³) SECTION RESISTANCE	3.71	4.45	5.93	

高速成型设备 High speed forming machine series

高速屋面瓦

High Speed Metal Roof Sheet Roll Forming Machine

High Speed Metal Roof Sheet Roll Forming Machine is designed to make the metal roofing sheets in batch fully automatically in the speed of 40 meter per minutes. Compared with the normal metal panel roofing sheet machine, its working efficiency is equal to normal one 3 times.

The machine we design use the gearbox as transmission, servo flying shearing tracking cutting saw. The hydraulic decoiler speed also can reach 40 meter per minutes. This high speed machine is good for those countries where the working salary is quite high. Take the following drawing profile for example to show how the High Speed Metal Roof Sheet Roll Forming Machine is designed



According to the features, we design high speed metal roof sheet Roll Forming Machine like the following pictures:



Features of High speed metal roof sheet Roll Forming Machine:

1. Working speed can 40 meter per minute.
2. PLC control with the Servo motor, the shearing speed is fast.
3. Molding frame adopt cast steel, when working the machine more steady.
4. With the protection cover, when working it is more safe.
5. Use all the elements are world famous brand.

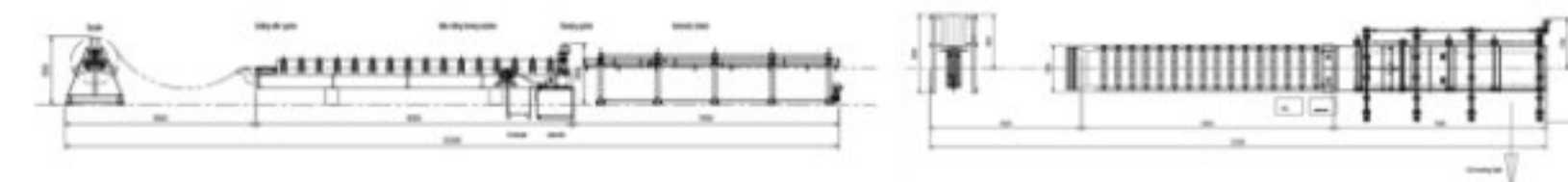
High Speed Metal Roof Sheet Roll Forming Machine Parameter for your reference:

Main Forming machine	Forming steps stations	18-22 roller stations
	Sheet feeding guider	1 set
	Roll forming speed	40 M/Min
	Total Power	15kw
	Shaft diameter	85mm
	Design type	Cast steel
	roller material	GCr15
	shaft material	40Cr steel
	Transport	Gear box
	Type of cutting	Hydraulic
	Cutting tolerance	± 1mm
	Cutter	SKD-11
	Length setting	By encoder 2 set

The High Speed Color Steel Roof Making Machine is composed by the following elements:

5Ton hydraulic decoiler	1set
Main roll forming machine	1set
Control System(PLC)	1set
Cutting System	1set
Automatic stacker	1set

High Speed Metal Roof Sheet Roll Forming Machine working flow for your reference:

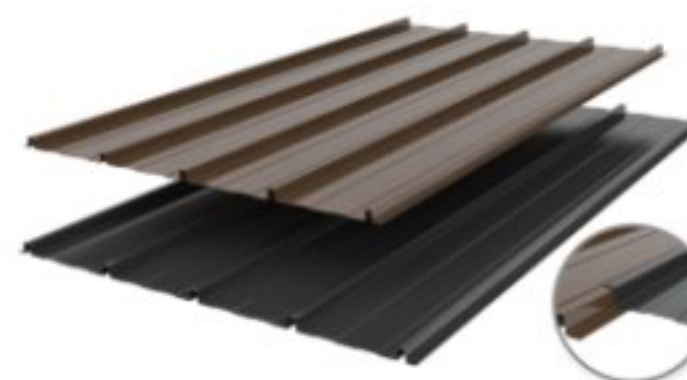


Here are more pictures of High Speed Color Steel Roof Making Machine for your reference:

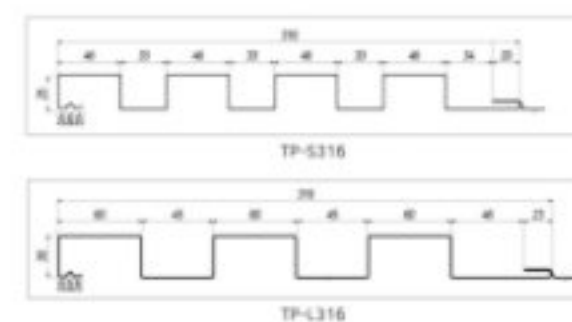
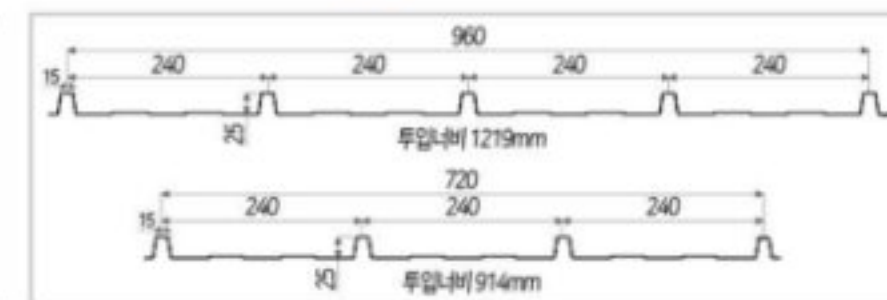
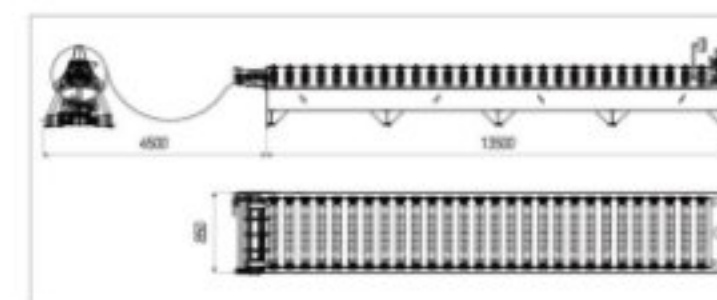




Waterkloof Winery and Restaurant



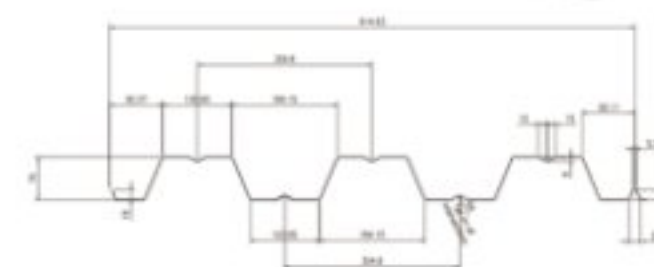
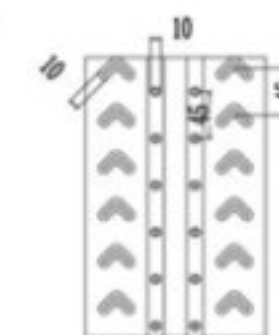
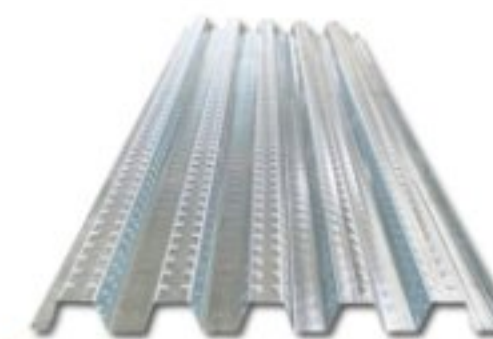
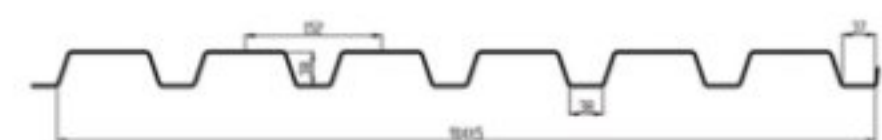
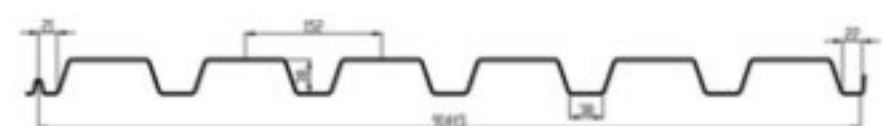
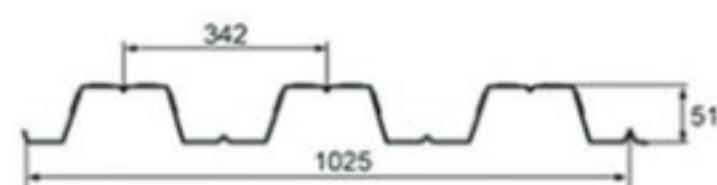
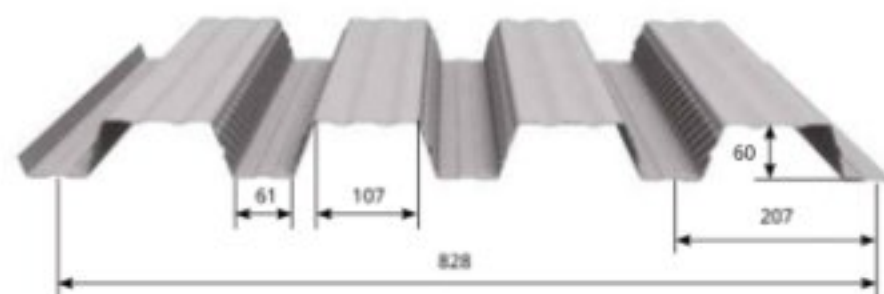
| TP-S316



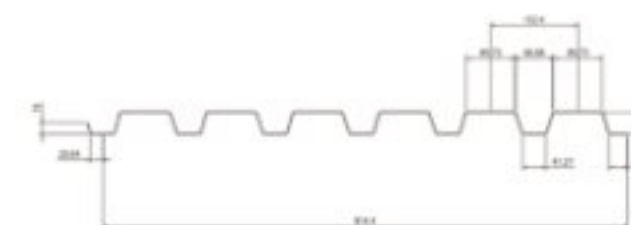
楼承板设备 Floor decking forming machine



PCB 60

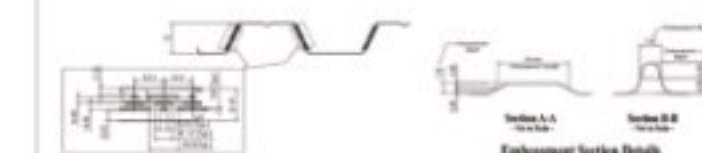


3" VLI Composite Deck
Coil Width ~ 1270.8 mm



1.5" B Roof Deck
Coil Width ~ 1270.8 mm

3" VLI Composite Deck



2" VLI Composite Deck



3D - Isometric View



Type 2 Embossment Details



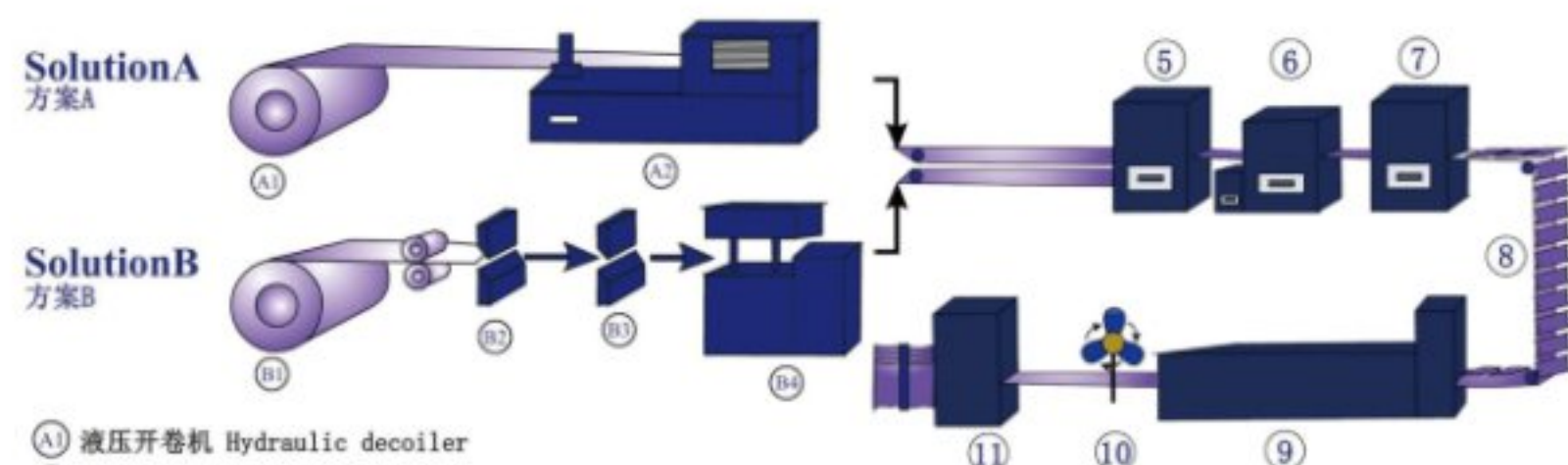
彩石瓦生产线 Stone coated roof tile machine

Sand spray steel roof sheet making line

Sand spray steel roof sheet is a modern environmentally friendly roofing material with the basic of 0.4 mm Al-zin coated steel. Covering color vermiculite surface which carried under the high temperature technology. It is high-performance, stable, energy-efficient and easy operation.



The sand spray steel roof sheet line contains THREE main parts:
 Part 1: Roof tile making machines
 Part 2: Stone coated machines
 Part 3: Accessories making machines



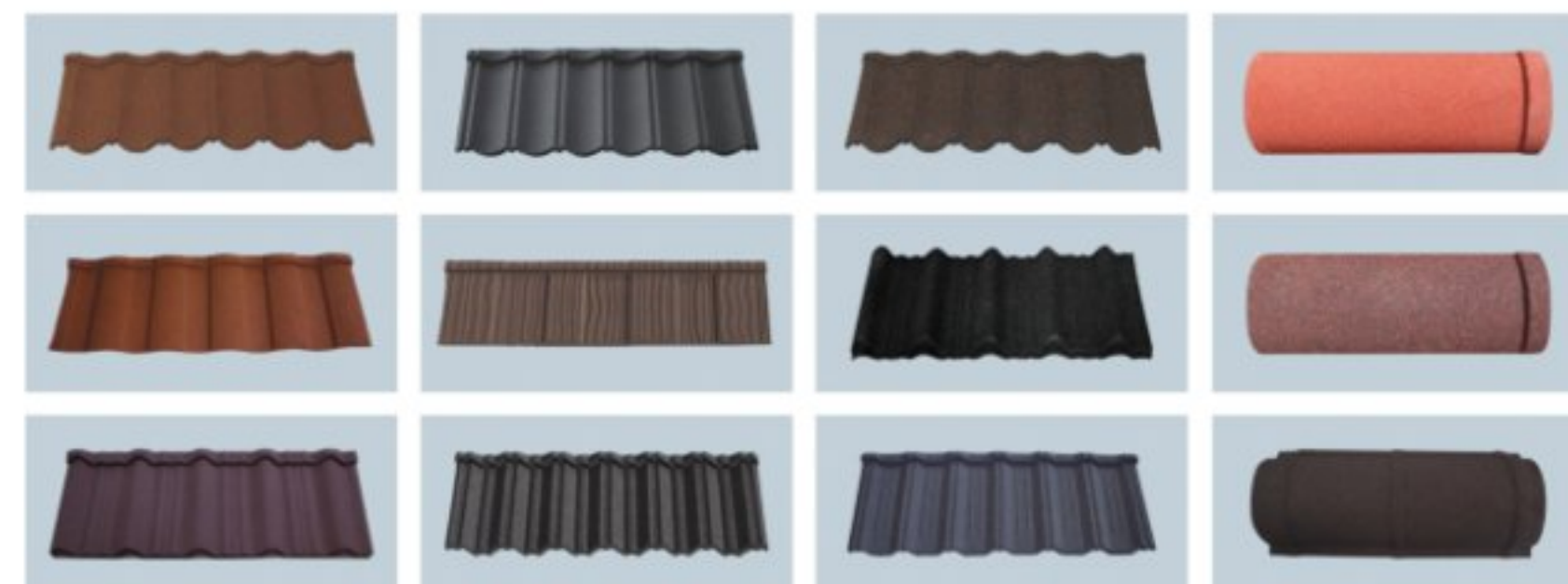
- ① 液压开卷机 Hydraulic decoiler
 ② 自动滚压成型设备 Automatic rolling forming machine
 ⑤ 自动喷底胶设备 Automatic spray bottom dispensing machine
 ⑥ 自动上砂设备 Automatic sand blasting machine
 ⑦ 自动喷面胶设备 Automatic spray surface glue
 ⑧ 自动滚架 Automatic roll frame
 ⑨ 自动固化烘干隧道炉 Automatic curing tunnel drying oven
 ⑩ 冷却设备 Cooling machine
 ⑪ 成品打包设备 Finished product packaging equipment



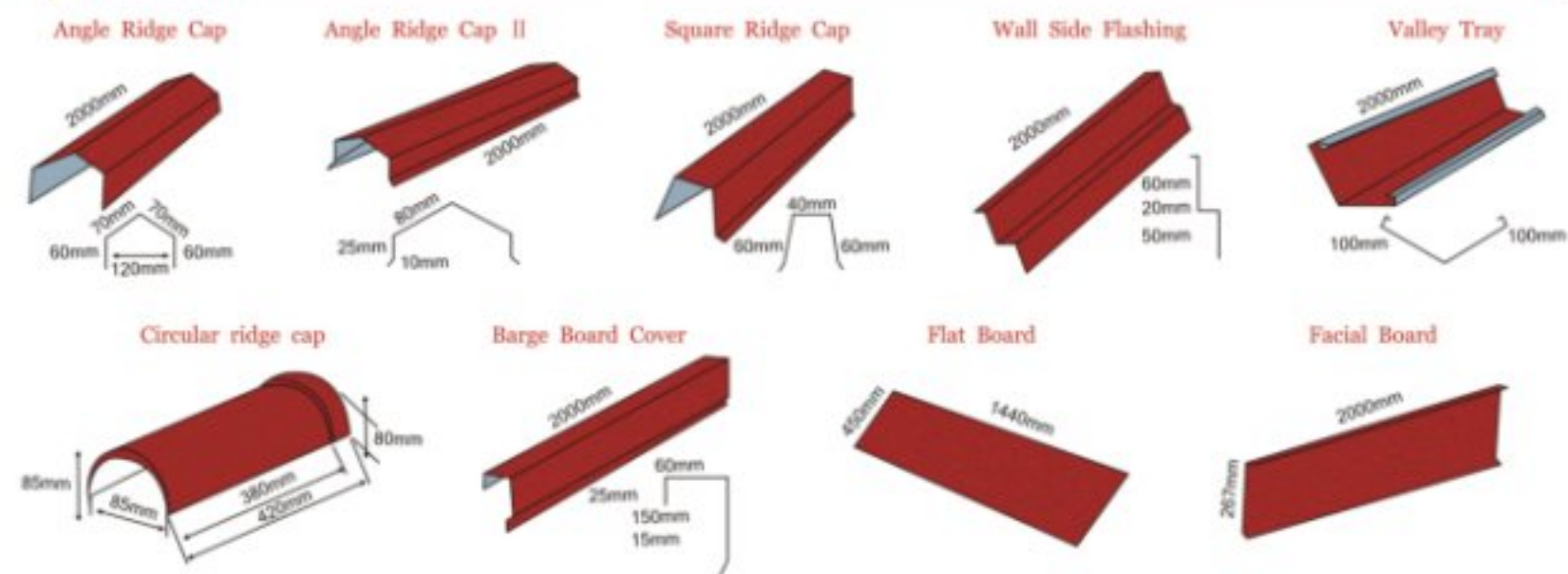
彩石金属瓦生产流水线的主要技术性能

THE MAIN TECHNICAL DATE OF STONE-COATED METAL ROOF TILE PRODUCTION LINE

- 1、生产能力:生产速度: 6-10片/分, 日生产能力: 2000-5000片
 Production ability : Production speed: 6-10pcs/minutes, Daily product ability: 2000-5000 pieces
- 2、机器重量: 20MT (方案A), 35MT (Solution B)
 Machine weight: 20MT (Solution A), 35MT (Solution B)
- 3、装机总容量: (电加热式) 250千瓦; AC380V 50HZ
 Total installed capacity: 250 kilowatts; AC380V 50HZ
- 4、钢板厚度: 0.32mm-0.50mm
 Steel plate thickness: 0.32mm-0.50mm
- 5、钢板宽度: 1000mm-1450mm
 Steel plate width: 1000mm-1450mm
- 6、生产条件: 厂房面积2000平方(25米*80米), 主机生产环境温度大于20度(摄氏)
 Product condition: Plant area 2000 square meters (25meters*80meters), mainframe product environment temperature above 20C
- 7、生产线特性: 自动流水线、卧式, 连续生产、无级变频调速, PLC控制。
 Production line characteristics: Horizontal, continuous product, stepless frequency conversion variable speeds, PLC control, having reliable performances, easy operation.



Accessories



高速护栏系统设备 Highway guardrail machine

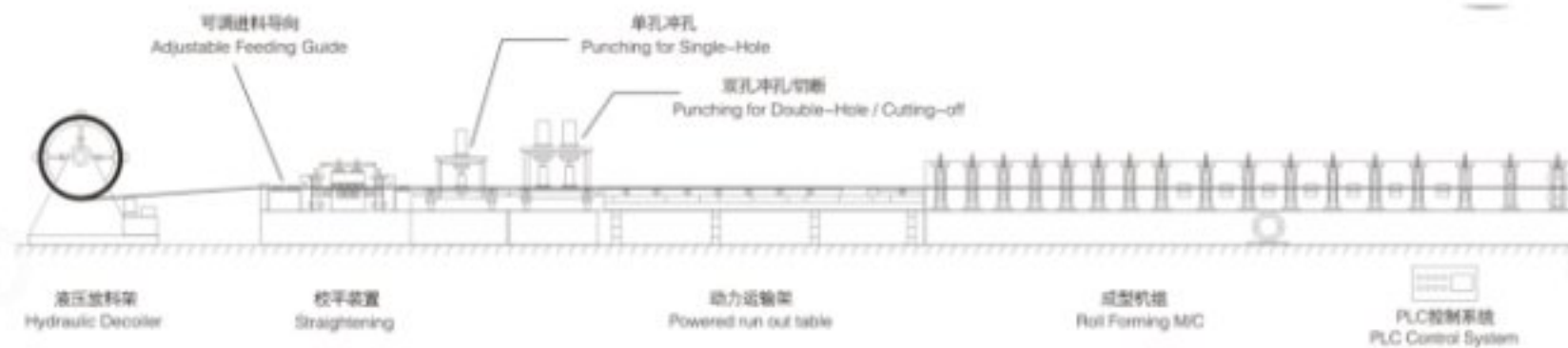
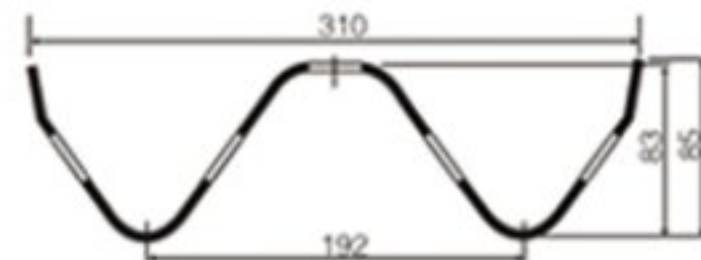
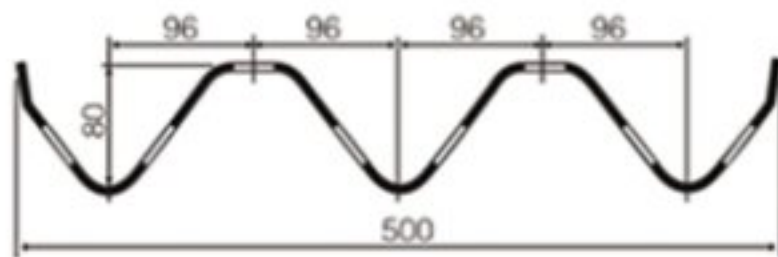
Highway guardrail roll forming machine

Main parameters:

Profile: two ribs and three ribs guard rail

Thickness: 3-4mm

Maximum speed: 15m per minute



C型钢设备 C purlin making machine



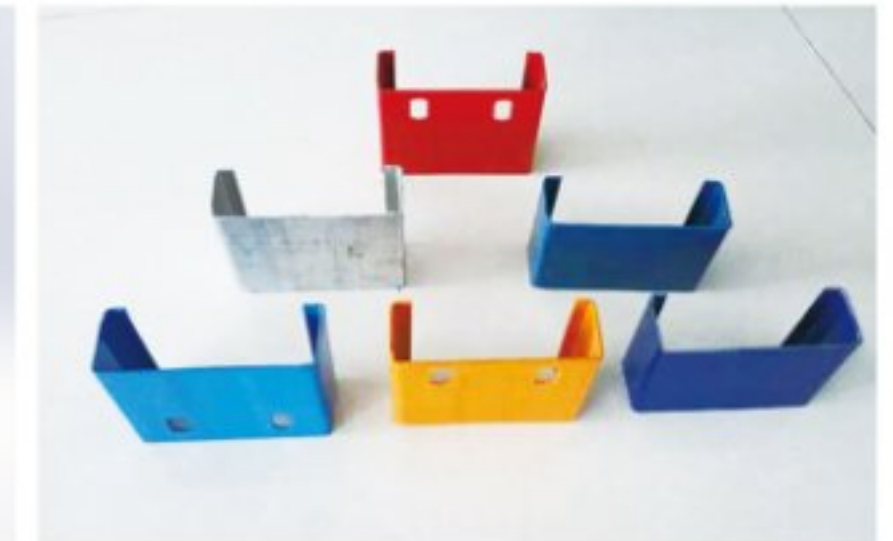
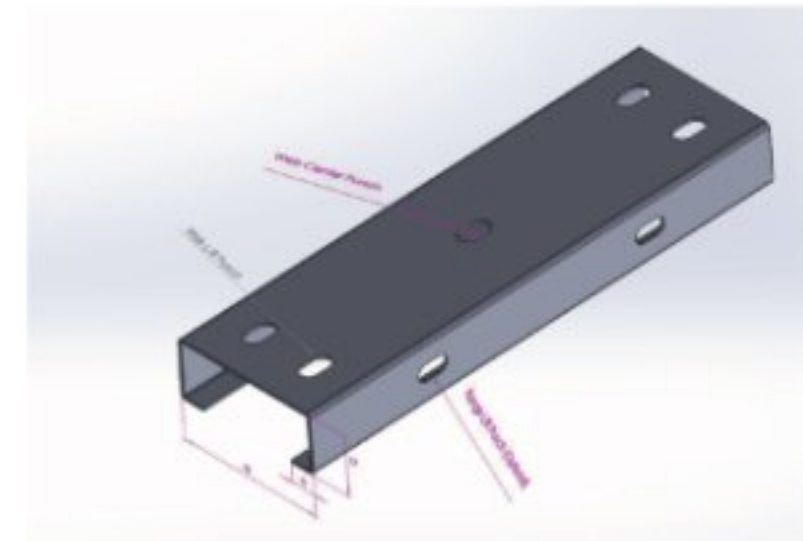
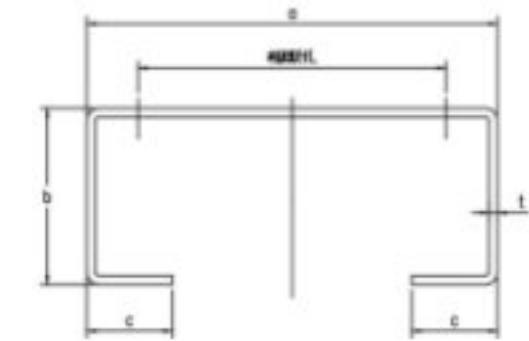
宽度 75-300 厚度 1-3mm

C型钢

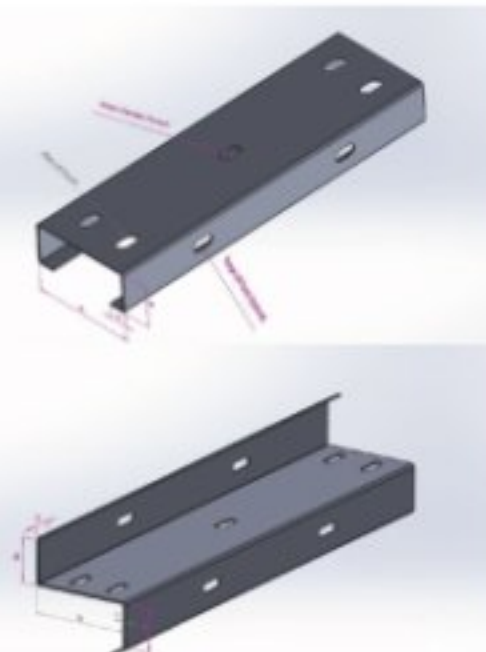
C Purlin Specification

Width x (mm)	Flange h (mm)	Box x (mm)	Thickness t (mm)
75-100	20-40	8-12	2-2.5
100-150	40-50	12-20	2.5-3.0
150-240	50-70	20	3-5
240-300	70-80	30	3-5

Width x (inch)	Flange h (inch)	Box x (inch)	Thickness t (gauge)
3-4	1.2-1.6	0.315-0.412	10-15
4-6	1.6-2.2	0.472-0.787	12-12
6-10	2.2-2.75	0.787	12-9
10-11.8	2.75-3.15	0.787	12-9



CZ型钢设备 CZ purlin making machine



宽度 90-300 厚度 1.2-3mm

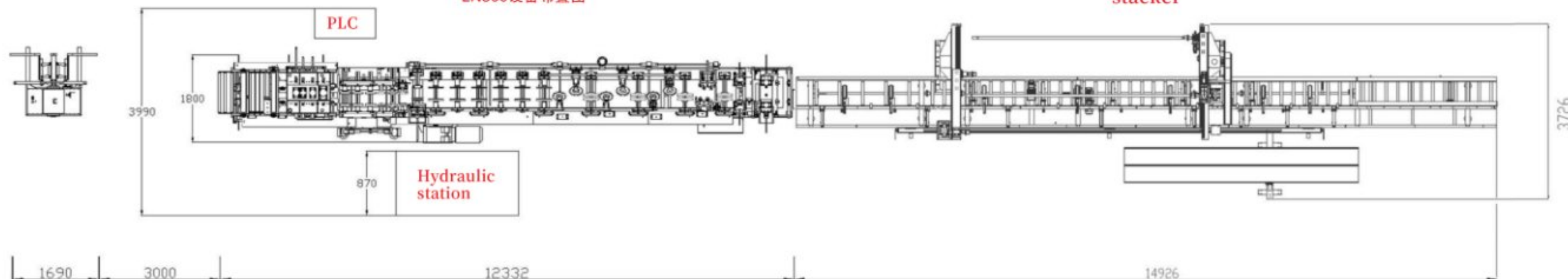
CZ 一体机

Roller of set 1	Roller of set 2	Roller of set 3	Roller of set 4
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100

Roller of set 1	Roller of set 2	Roller of set 3	Roller of set 4
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100

Roller of set 1	Roller of set 2	Roller of set 3	Roller of set 4
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100
100-100	100-100	100-100	100-100

LN300设备布置图

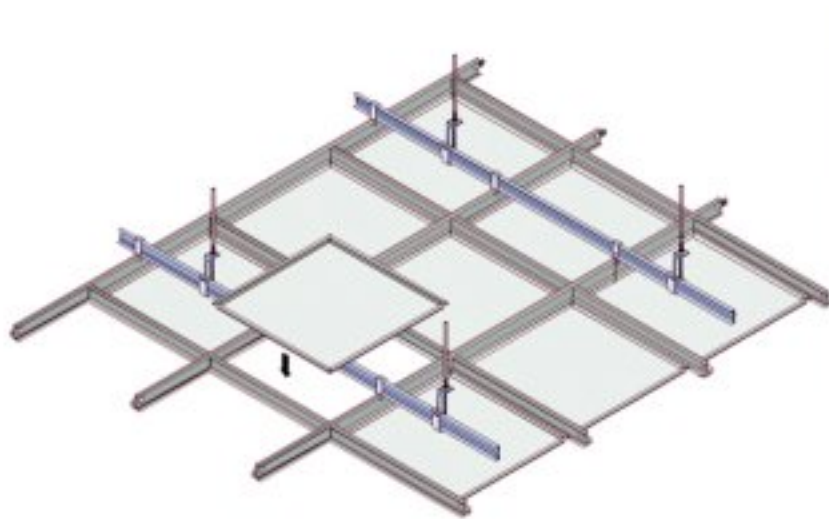
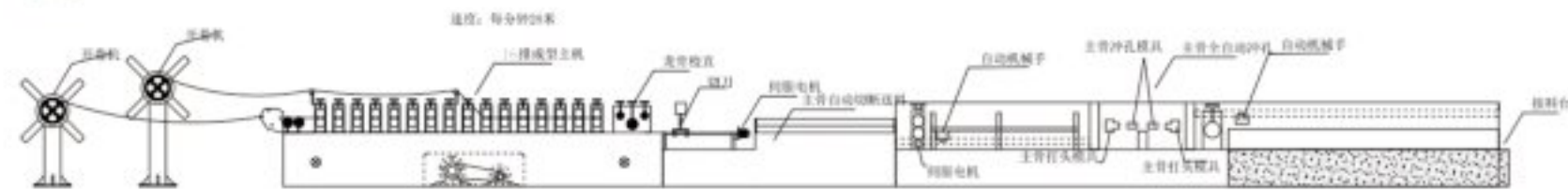
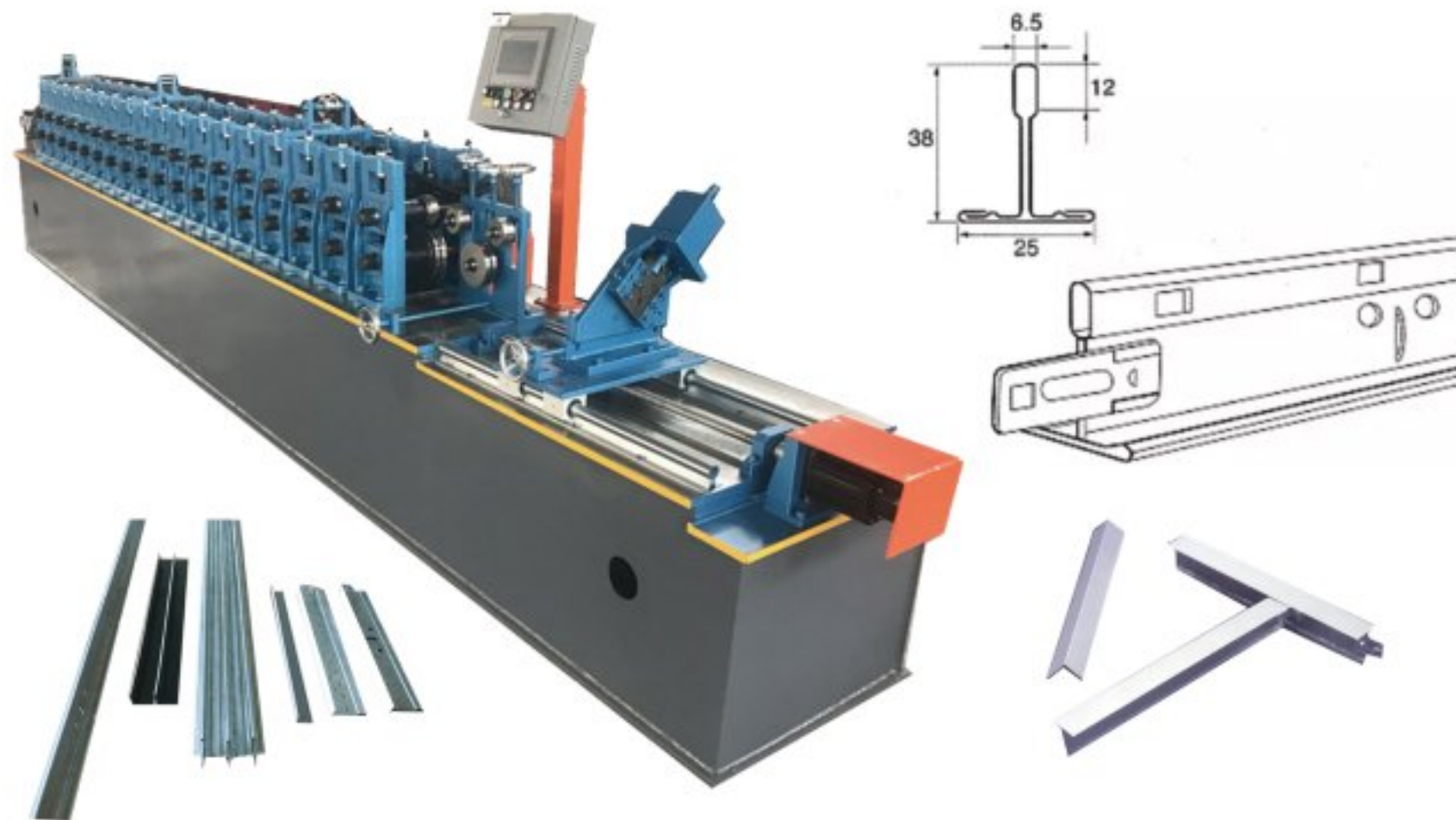


CZ型钢全自动生产线 CZ steel automatic production line



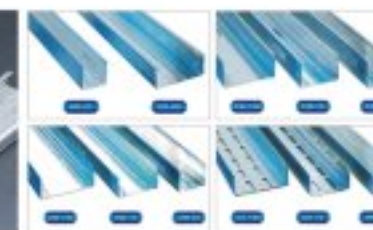
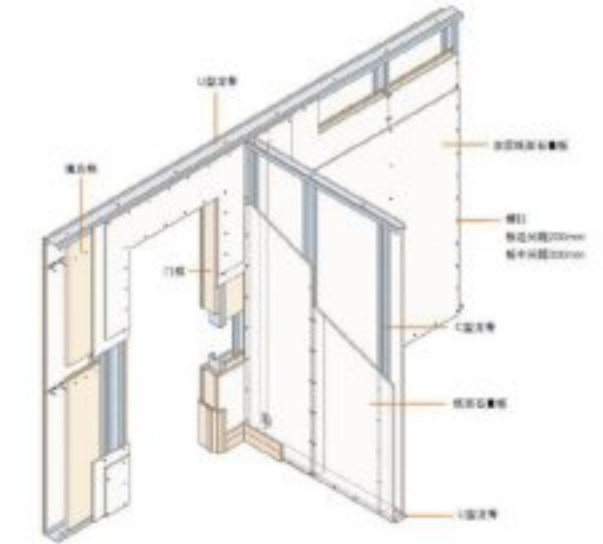
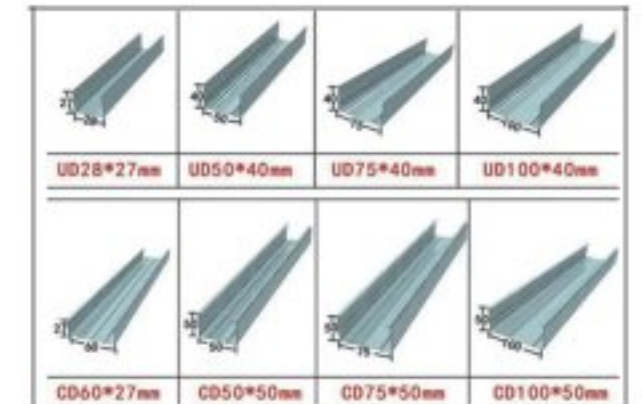
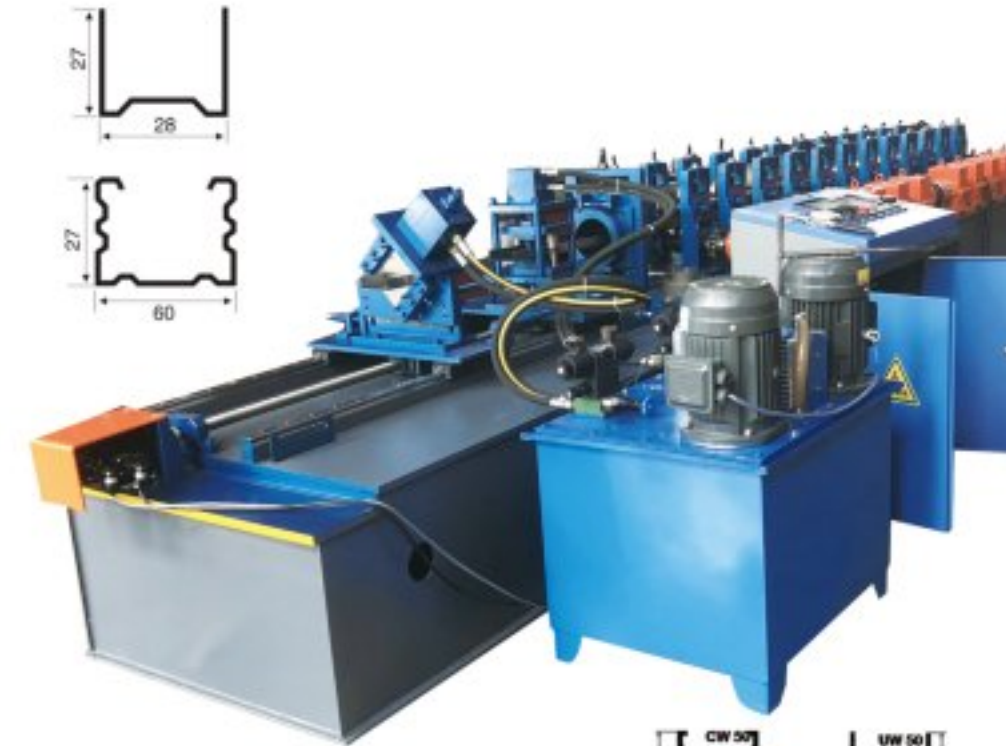
吊顶龙骨设备 Ceiling system machine

Ceiling system T grid machines(main t machine, cross t machine, wall angle machine)

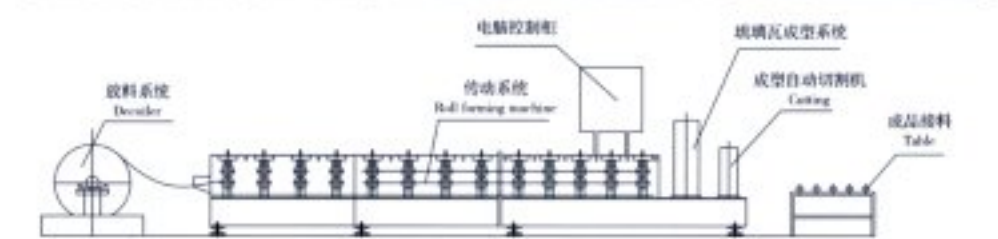


隔墙龙骨设备 Drywall system machines

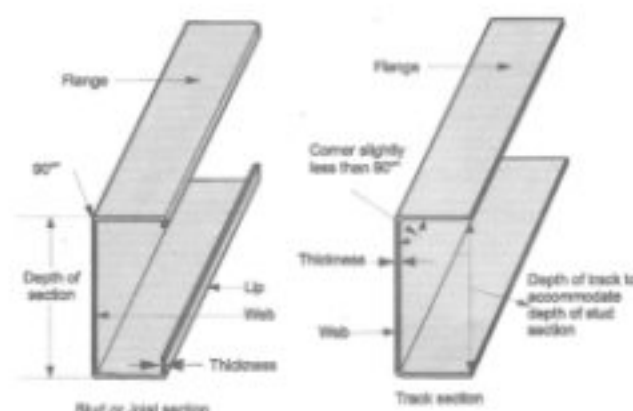
Stud and track forming machine



Combined roll forming machine



高速成型设备 High speed forming machine series



高速龙骨机

High Speed Light Steel Forming Machine is designed to make the light steel, such as stud, track, omega, angle... in batch fully automatically in the speed of maximum 80 meter per minutes. Compared with the normal high speed light steel machine, its working efficiency is equal to normal one 2 times.

The machine we design use the gearbox as transmission, servo tracking cutting system. This high speed machine is good for those countries where the working salary is quite high.

According to the features, we design the machine like the following pictures:



Features of high speed light steel forming machine:

1. Working speed can reach maximum 80 meter per minute.
2. PLC control with the Servo motor, the shearing speed is fast.
3. Molding frame adopt cast steel, when working the machine more steady.
4. Use all the elements are world famous brand.

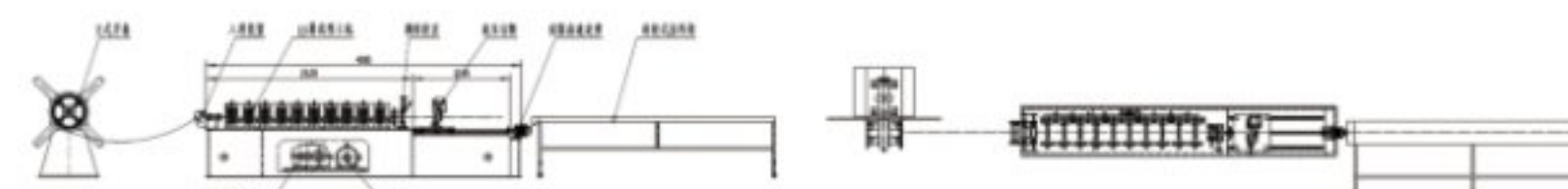
High speed light steel forming machine parameter for your reference:

Main Forming machine	Forming steps stations	As the profile
	Roll forming speed	80 M/Min
	Total Power	About 17kw
	Shaft diameter	50mm
	Design type	Cast steel
	roller material	GCr12
	shaft material	40Cr steel
	Transport	Gear box
	Type of cutting	Hydraulic
	Cutting tolerance	±1mm
	Cutter	SKD-11

High speed light steel forming machine is composed by the following elements:

3T automatic decoiler	1set
Main roll forming machine	1set
Control System(PLC)	1set
Cutting System	1set
Automatic stacker	1set

High speed light steel forming machine working flow for your reference:



Here are more pictures of high speed light steel machine for your reference:



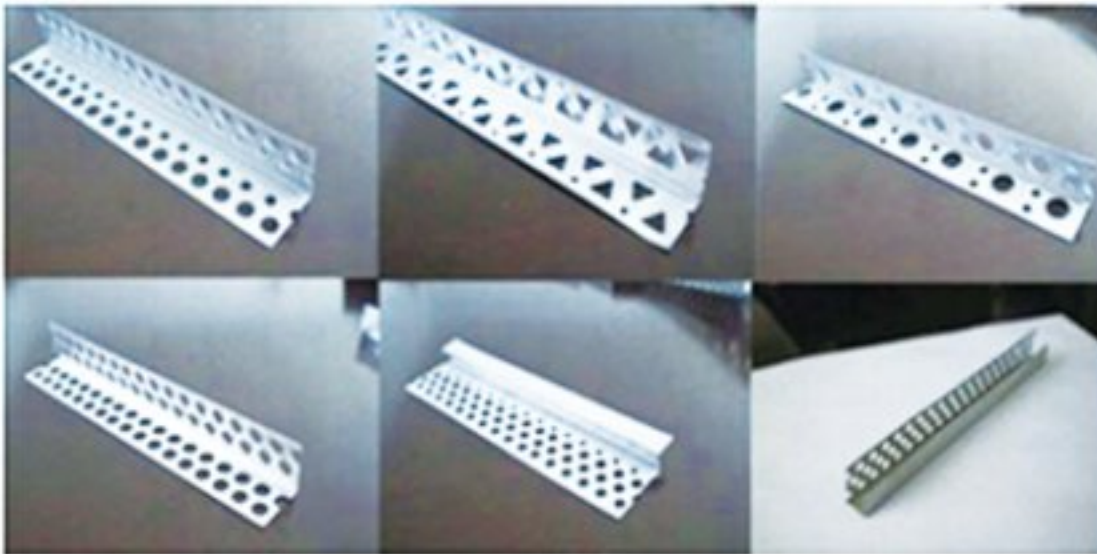
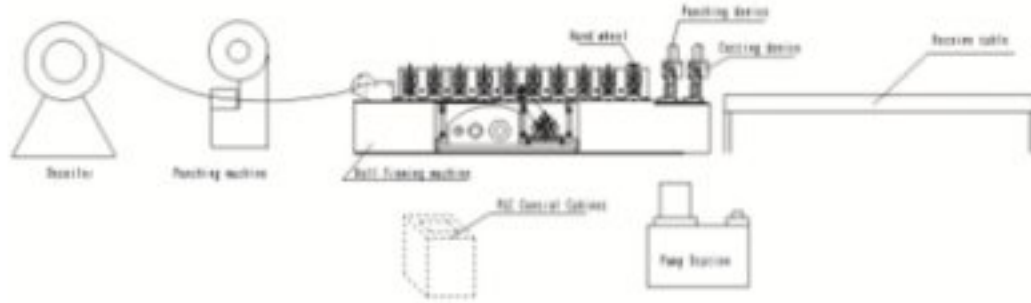
Automatic packaging machine:

Packaging speed:

20 pieces/bundle	max 75 m/minute
12 pieces/bundle	max 65 m/minute
8 pieces/bundle	max 45 m/minute

角钢设备 Steel angle forming machine

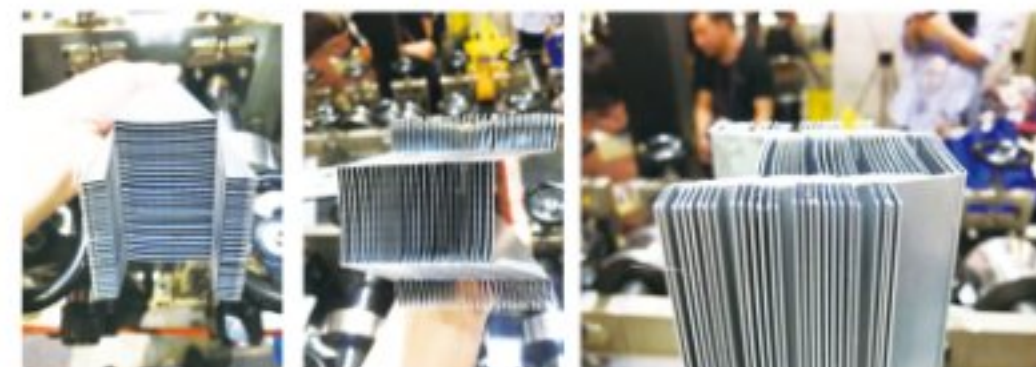
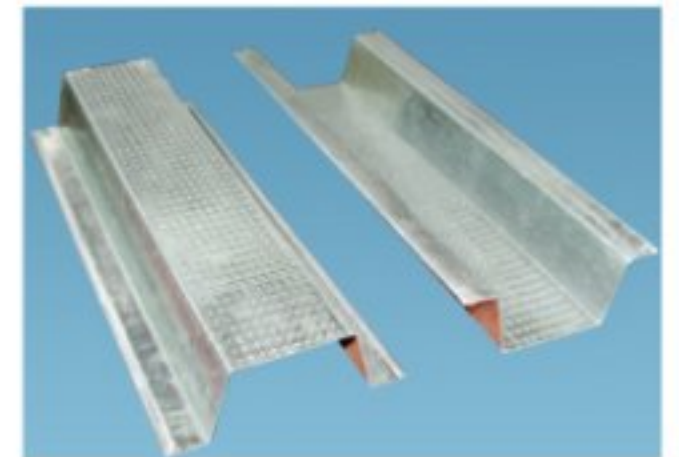
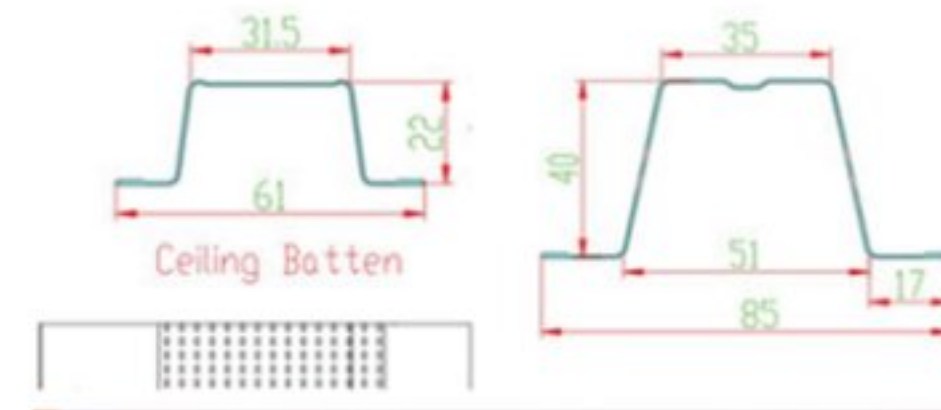
Angle bead machine (with or without holes)



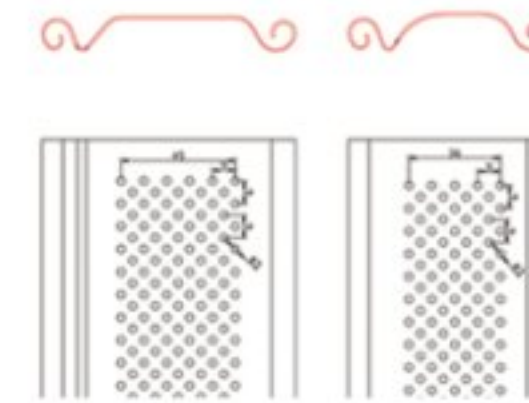
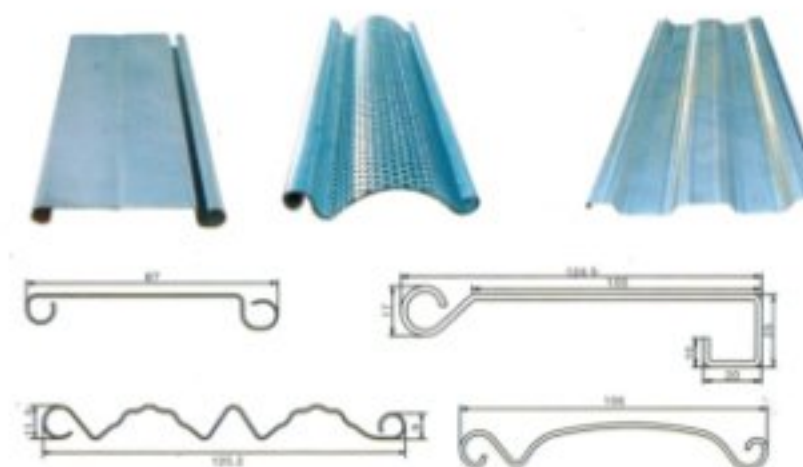
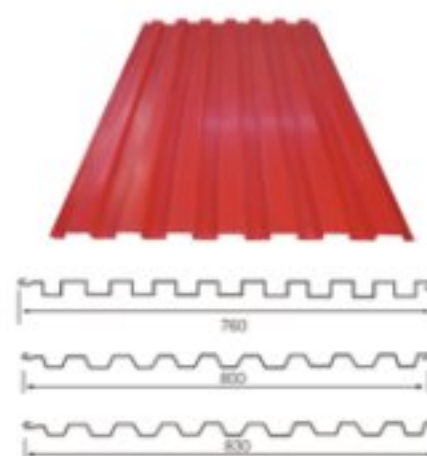
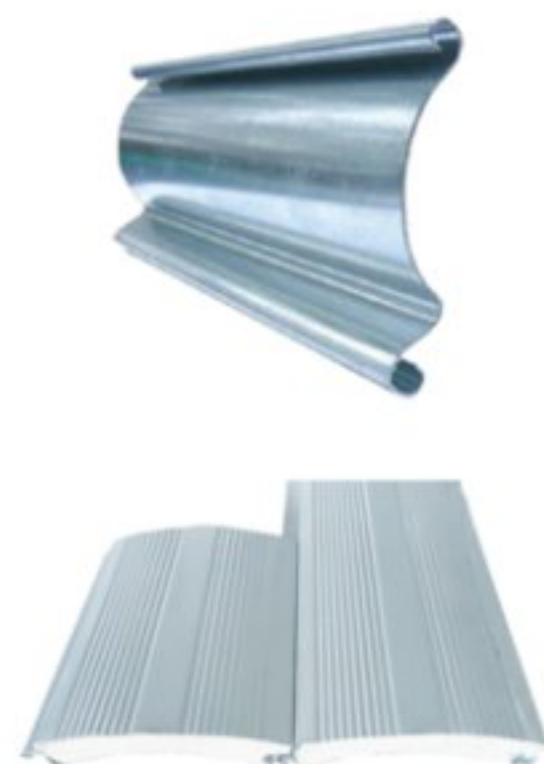
小帽龙骨设备 Furring channel making machine

Material thickness: 0.3 to 0.9mm
Power: as customer requirements
Forming speed: 0-25 m per minute

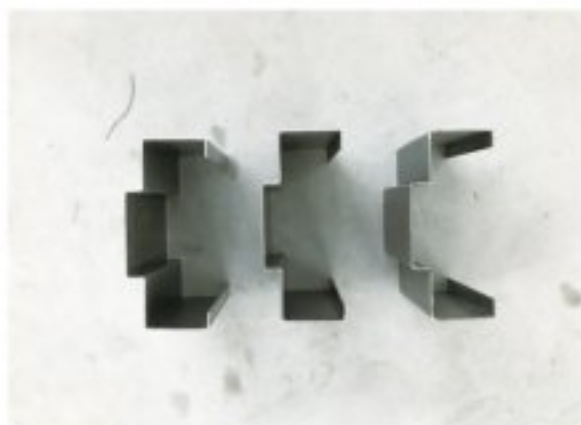
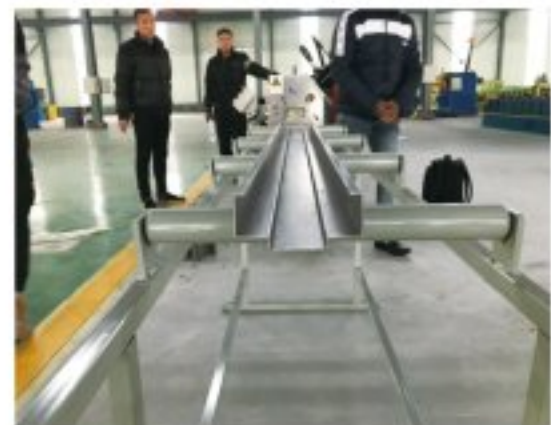
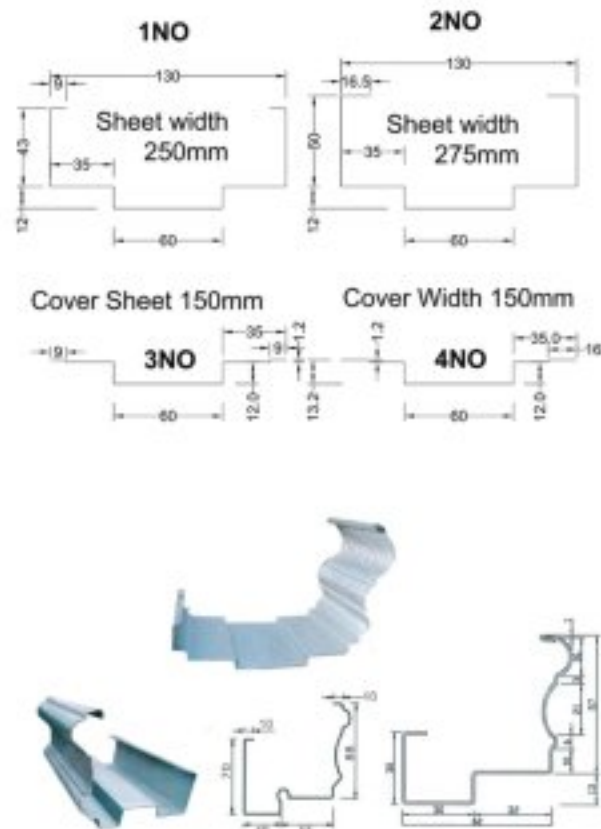
Raw material: galvanized steel
Weight of machine: about 3.8 tons



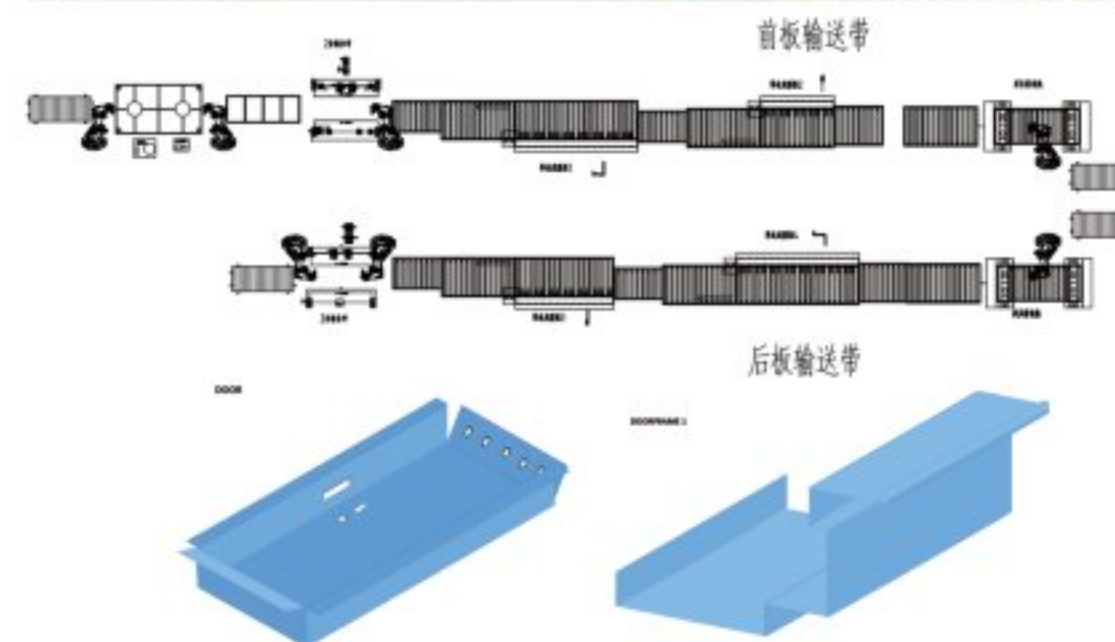
卷帘门系统设备 Roller shutter door machine



门框类设备 Door frame machine



防火门 Anti-fire door panel machine



金属压花设备 Metal embossing machine

Metal embossing machine

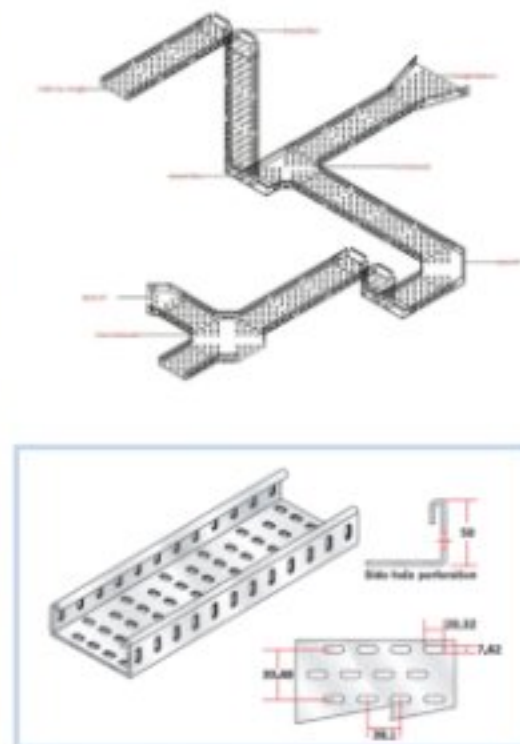
We can design the embossing machine as your personal requirements for the pattern.

We have manual feeding type metal embossing machine and full automatic metal

Embossing machine with decoiler and recoiler.

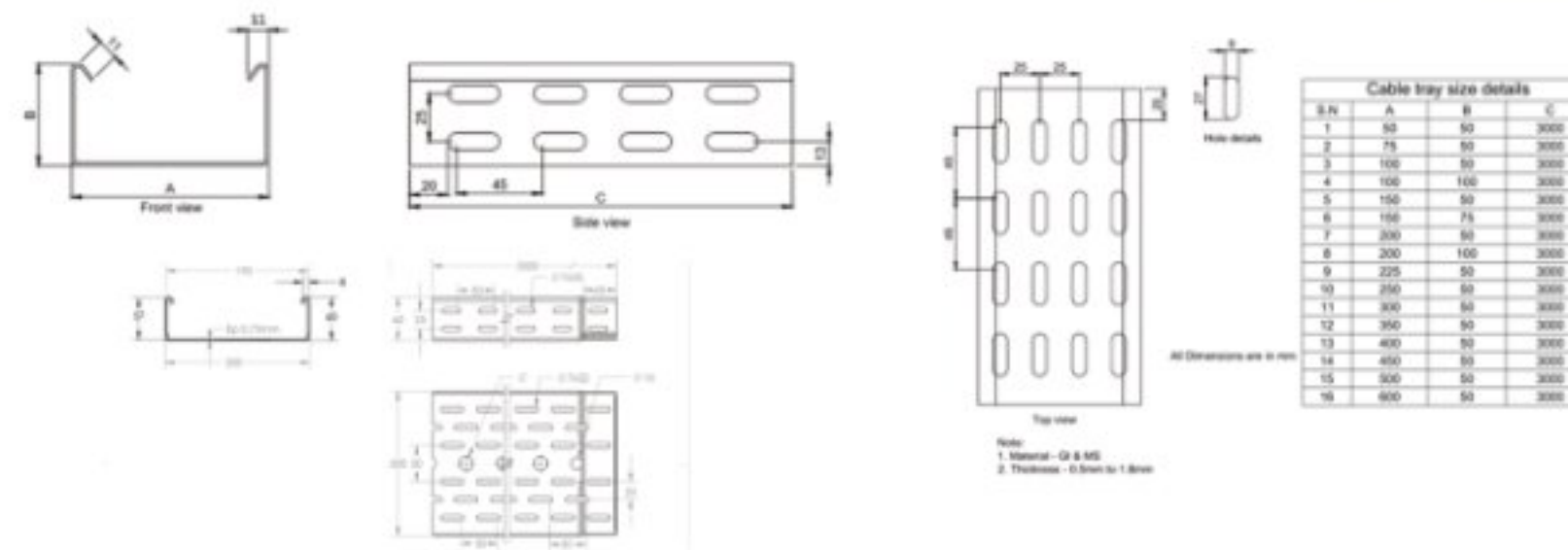
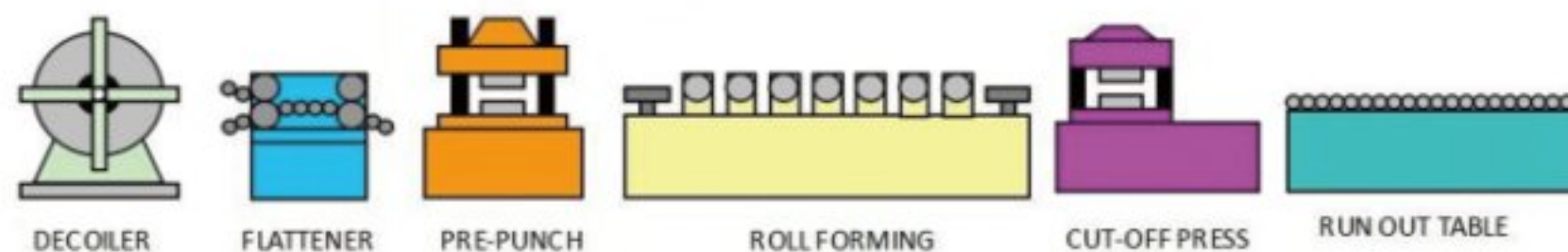


电缆桥架设备 Cable tray machine

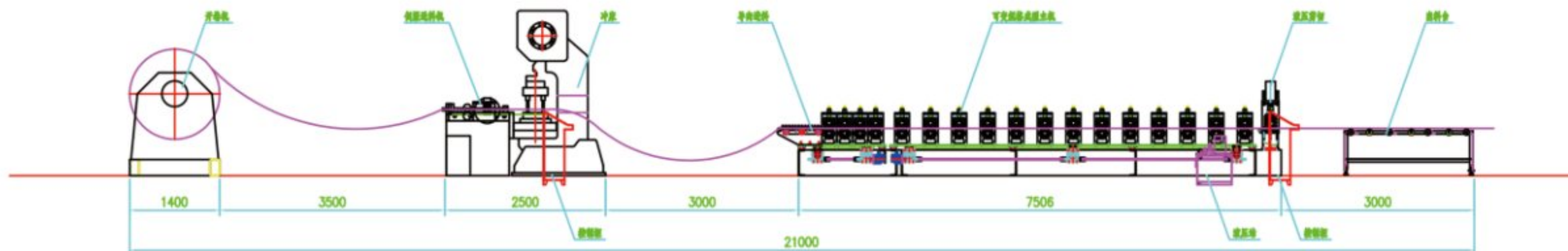


Technical Flow

Decoiler—Straightener—Press punching—Roll forming machine—Hydraulic cutter—Output table



C/U规格生产:
冲床吨位确定
冲孔模具数量确定
成型主机自动调节底座宽和距离
17排成型
排距Φ60/Φ70
主机功率15KW
液压功率5.5KW

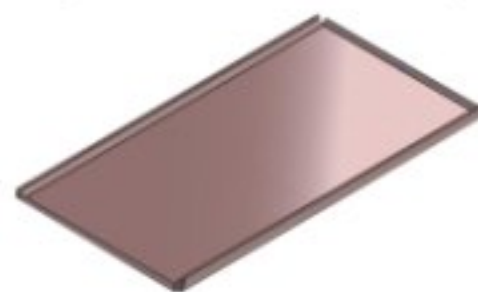


货架立柱系统设备 Rack system machine

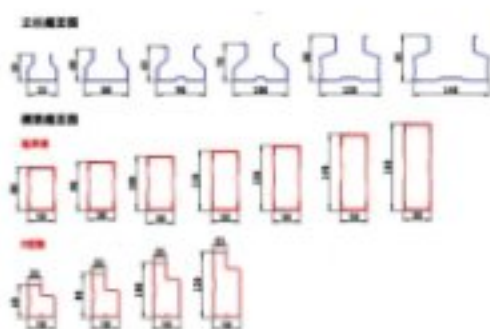
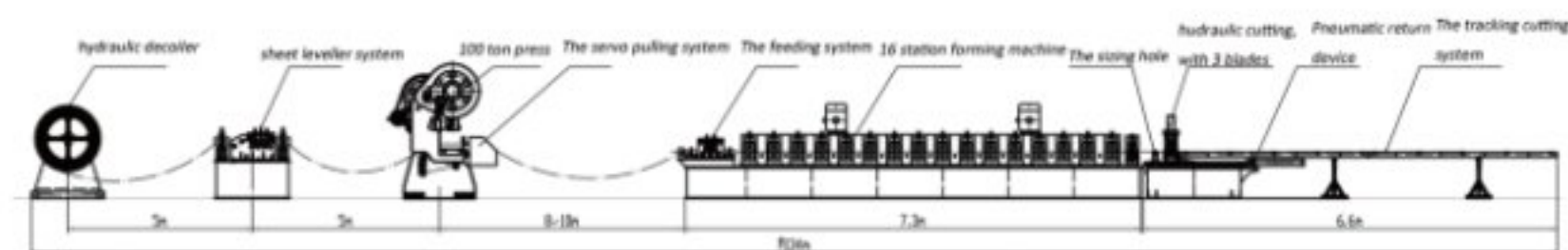
Racking system machines (Upright pillar machine, box beam machine, cross beam machine as so on)



Shelf panel we can also produce machine for you:



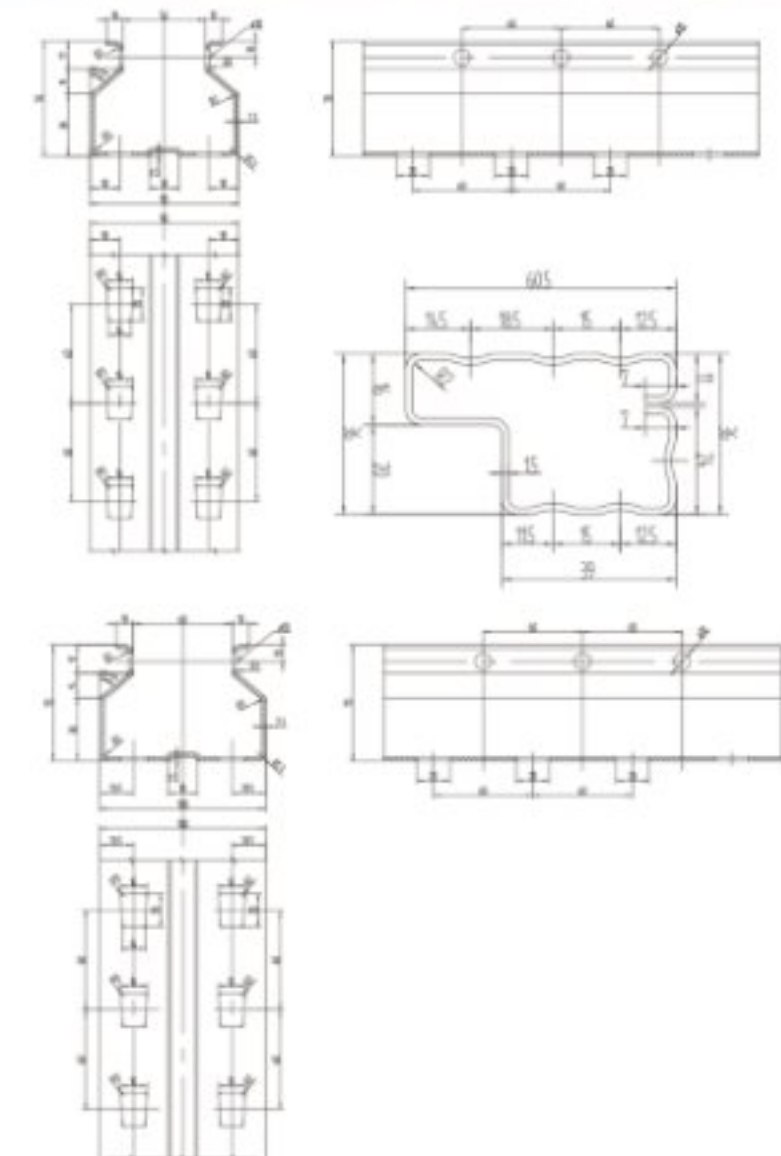
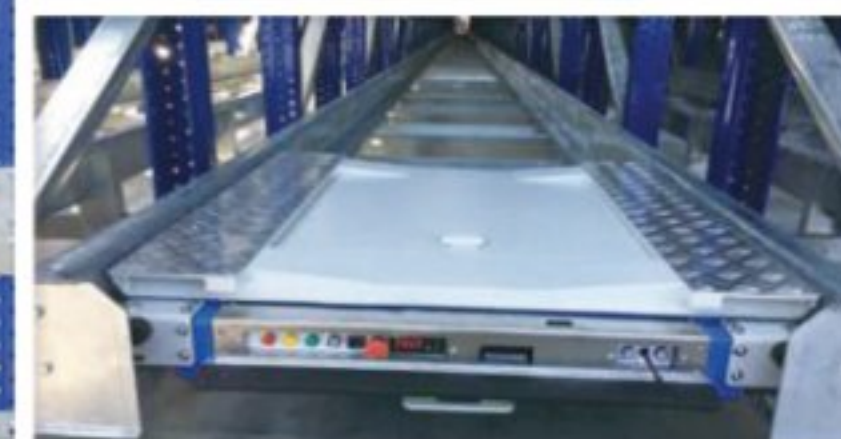
tablette : L: 1330mm & 1000mm
P: 400mm - 450mm - 500mm
Tôle ép: 0.8mm



Profile for reference



Description:
Storage Rack Roll Forming Machine, Upright Shelf Roll Forming Machine is one brand equipment used for making rack for supporting supermarket shelf, Storage Rack, Ware House Rack and others.



高频焊管机 High frequency welded pipe production line

High frequency straight seam welding machine

Our mill is intended for manufacturing of round pipe from cold-rolled and hot-rolled coil strip by means of unclosed tubular blank with its subsequent welding into tube, edge heating by means of solid state high-frequency welder, longitudinal seam welding in rolls of tube welding machine, cooling, further sizing or shaping and on-stream cutting of endless tube in measured lengths. Finished product will be of round, square or rectangular pipe.



Machine HG-32	
Wall thickness	0.4-2.5mm
Pipe diameter	10-45mm
Round pipe	Max. OD-45mm, Min.OD-10mm
Square pipe	Max.-35*35mm, Min.-10*10mm
Rectangular	Max.-30*40mm, Min.-10*10mm

Machine HG-50	
Wall thickness	0.5-3mm
Pipe diameter	10-60mm
Round pipe	Max. OD-60mm, Min.OD-10mm
Square pipe	Max.-47*47mm, Min.-10*10mm
Rectangular	Max.-30*60mm, Min.-10*10mm

Machine HG-76	
Wall thickness	1.0-3.5mm
Pipe diameter	20-89mm
Round pipe	Max. OD-90mm, Min.OD-20mm
Square pipe	Max.-70*70mm, Min.-20*20mm
Rectangular pipe	Max.-50*90,40*100, 30*110mm, Min.-20*20mm

Machine HG-127	
Wall thickness	1.0-5.0mm
Pipe diameter	20-127mm
Round pipe	Max. OD-127mm, Min.OD-20mm
Square pipe	Max.-100*100mm, Min.-20*20mm
Rectangular pipe	Max.-110*90,80*120,70*130mm, Min.-20*20mm

Our machine could make stainless pipe, carbon steel pipe in the shape of round pipe, square pipe, rectangular tube, oval pipe and others. Meanwhile most of machines for making steel welded products, our factory could make for you according to the sample or drawing profiles.

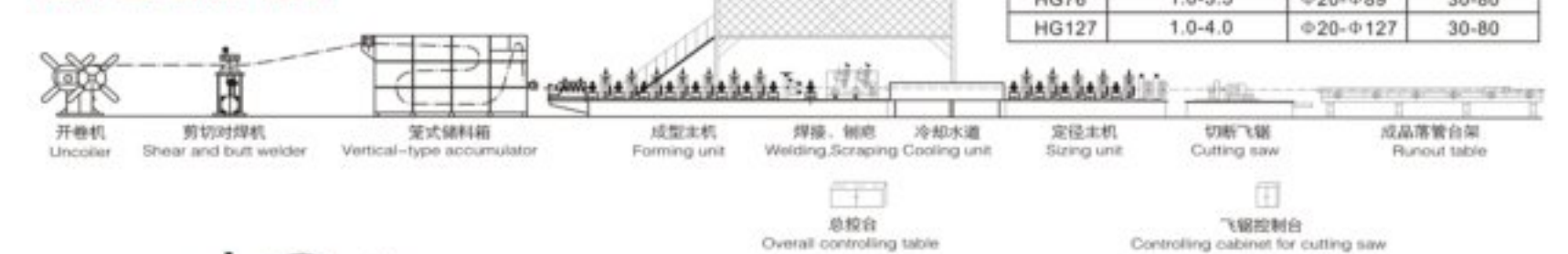


One machine could be used to make various types and ranges steel pipes by changing moulds. For those who need to run factory of steel pipe, just 3 sets of machines then you can cover steel pipe diameter range from 10-127mm within the material thickness from 0.4-5.0mm. Since 1996, our machines have been sold to more than 30 countries, like Asia, Africa, Europe, South America, and Australia and so on.

工艺流程图 producing process sketch

working flow automatic decoiler-automatic feeding-in-coil flattening-forming mill-high frequency welding mill-removing external burr-cooling-sizing(including turkey head)-flying saw cutting-packing-warehouse

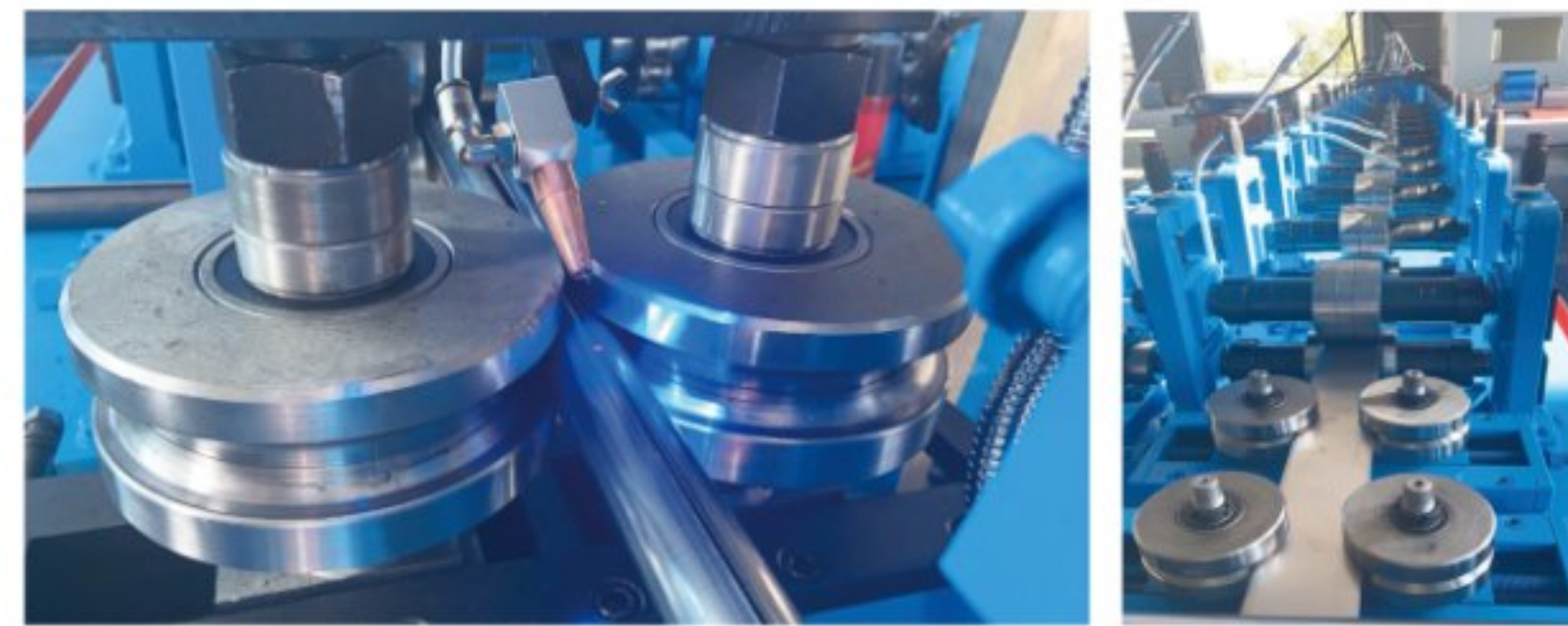
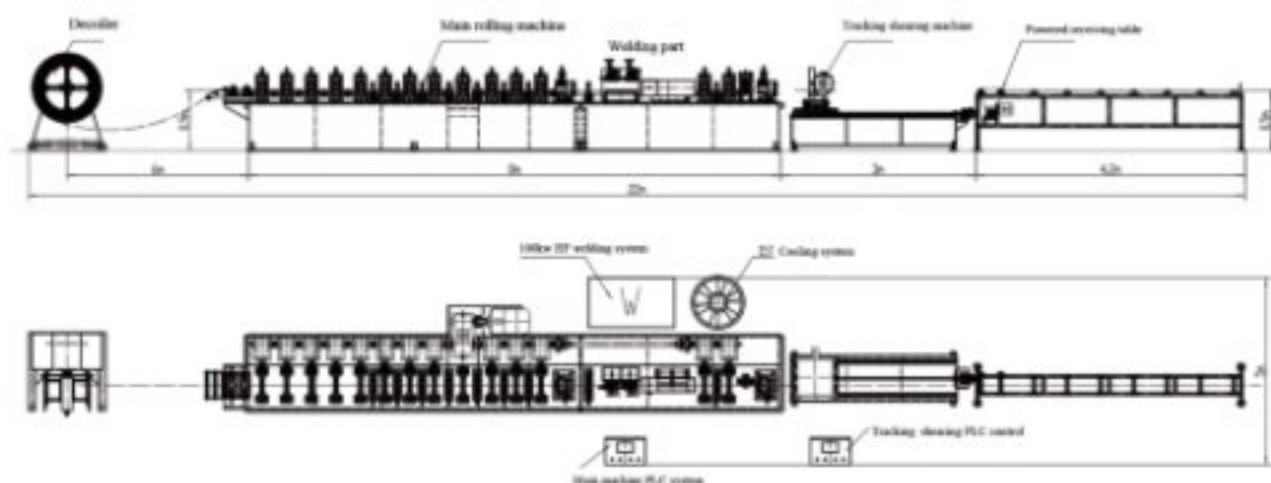
基本配置: 开卷机-自动送料-原料孔平-成型机-高频焊接-焊后冷却-冷却水管-定径机(套土) 耳其机头-电脑器-落料(打卷)-成品入库。



Type	Wall thickness(mm)	Diameter(mm)	Speed(m/min)
HG32	0.4-2.5	Φ10-Φ45	30-80
HG50	0.5-3.0	Φ10-Φ60	30-80
HG76	1.0-3.5	Φ20-Φ89	30-80
HG127	1.0-4.0	Φ20-Φ127	30-80



慢速激光焊管机设备 Laser/TIG Profile welding machine



纵剪线设备 Metal slitting machine

Metal slitting line

This machine is special equipment for uncoiling, slitting and recoiling the steel sheet according to the requirements of client. It mainly consists of uncoiler, leveling system, shearing system, slitting system, scrap recoiling system, damping structure, recoiling system, unloading system and so on. We can design and manufacturer different specification according to different requirement of the client.

Main parameters:

Thickness: 0.3-6.0mm

Speed: 0-120m/min

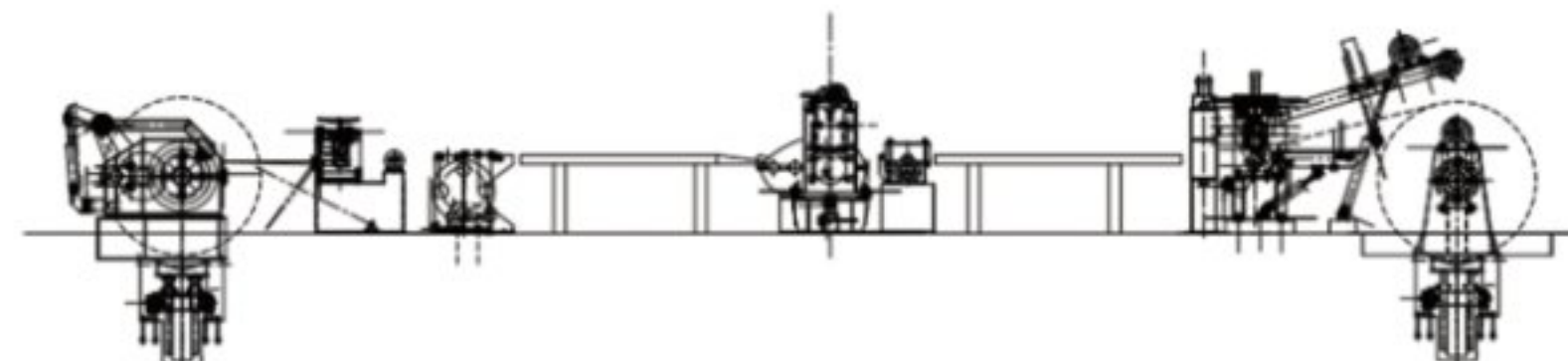
Coil width: 800-1600mm



The slitting line is also called slitting unit, slitting machine, slitting machine and scissors.

It is mainly used for strip cutting of tinplate, galvanized iron, silicon steel sheet, cold rolled strip, stainless steel strip, aluminum strip and steel strip.

The metal coil material is cut into strips of various widths, and the strips are collected into small rolls for use in the next process. It is necessary equipment for precision shearing of transformers, motors and other metal strips. It is composed by the following elements, and the elements differ by the customer requirements:



横剪线设备 Metal cut to length machine

Metal cut to length machine

Here is some brief introduction of the cut to length lines:

Automatic cut to length line are mainly used to the uncoiling, leveling and shearing of the steel coils and prepare for the next process. As to the different customer requirements, the parameters of each element will be different.

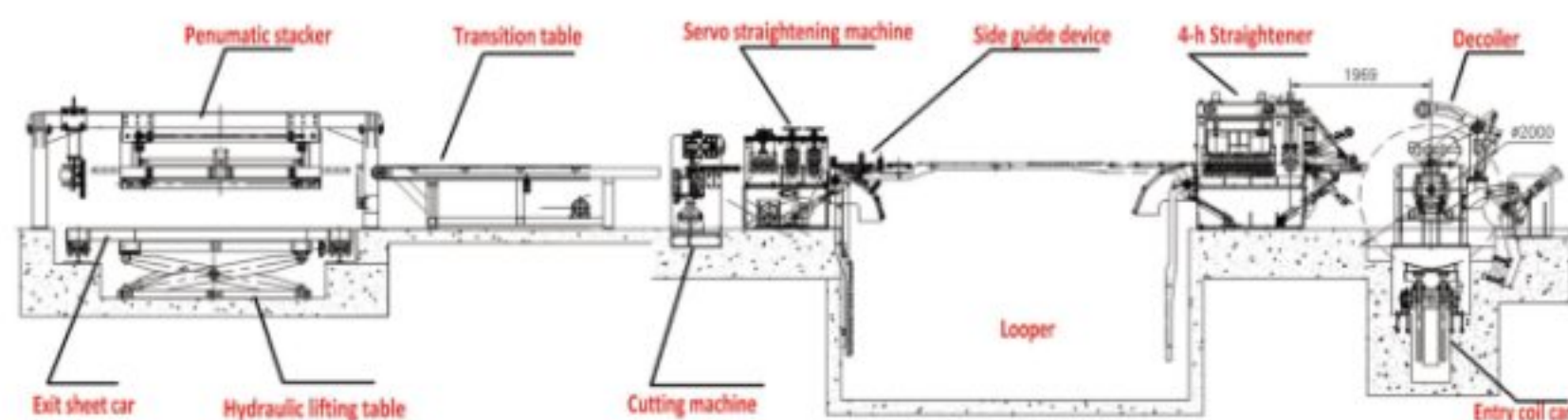
Simple cut to length machine :

Maximum material width: 1250mm

Material thickness: 0.15-3.0mm

Processing material: GI or PPGI

Processing speed: 0-15m per minute



光伏支架抗震支架设备 Solar panel bracket machine

Solar panel bracket roll forming machine (the main size is 41x41mm and 41x21mm)



Coil width: 130 mm & 90 mm

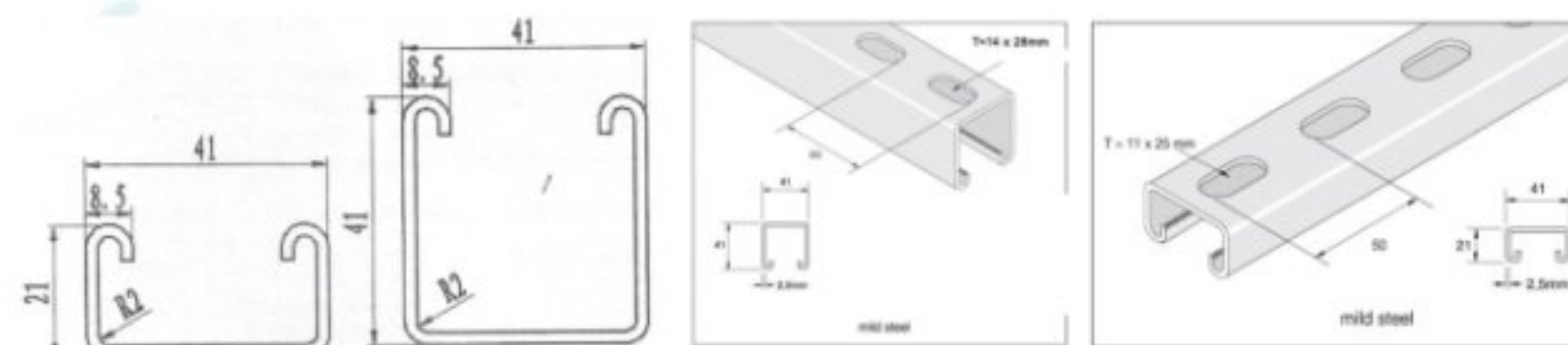
Coil Thickness: 2.0-3.0 mm

Suitable Raw Materials: Galvanized steel plate

Yield Strength: ≤ 235 Mpa

Line Speed: about 0-14 m/minute

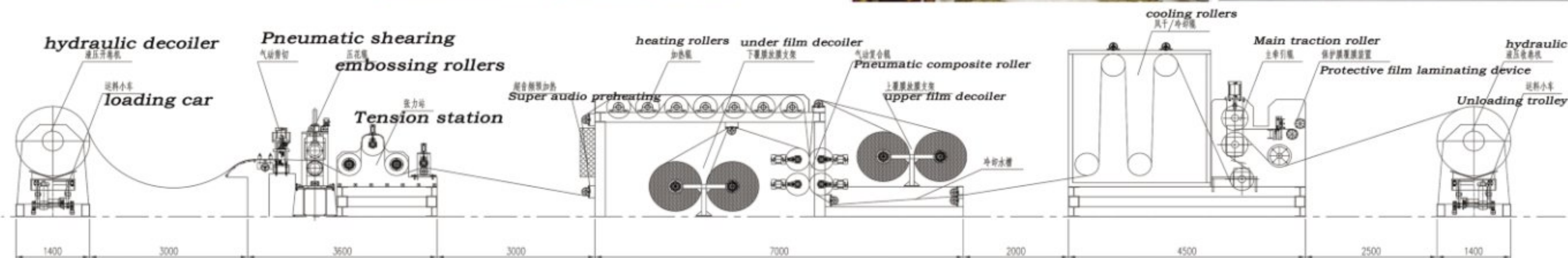
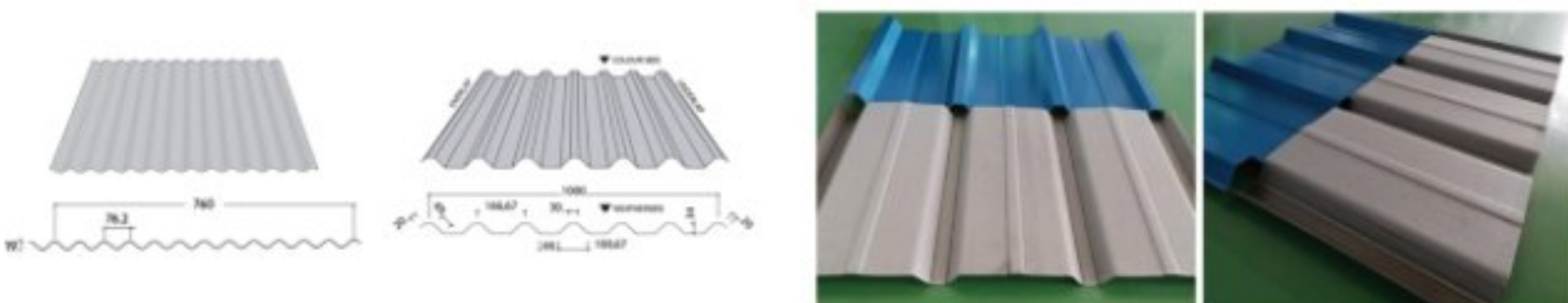
Power: 380 V 50 Hz or customized



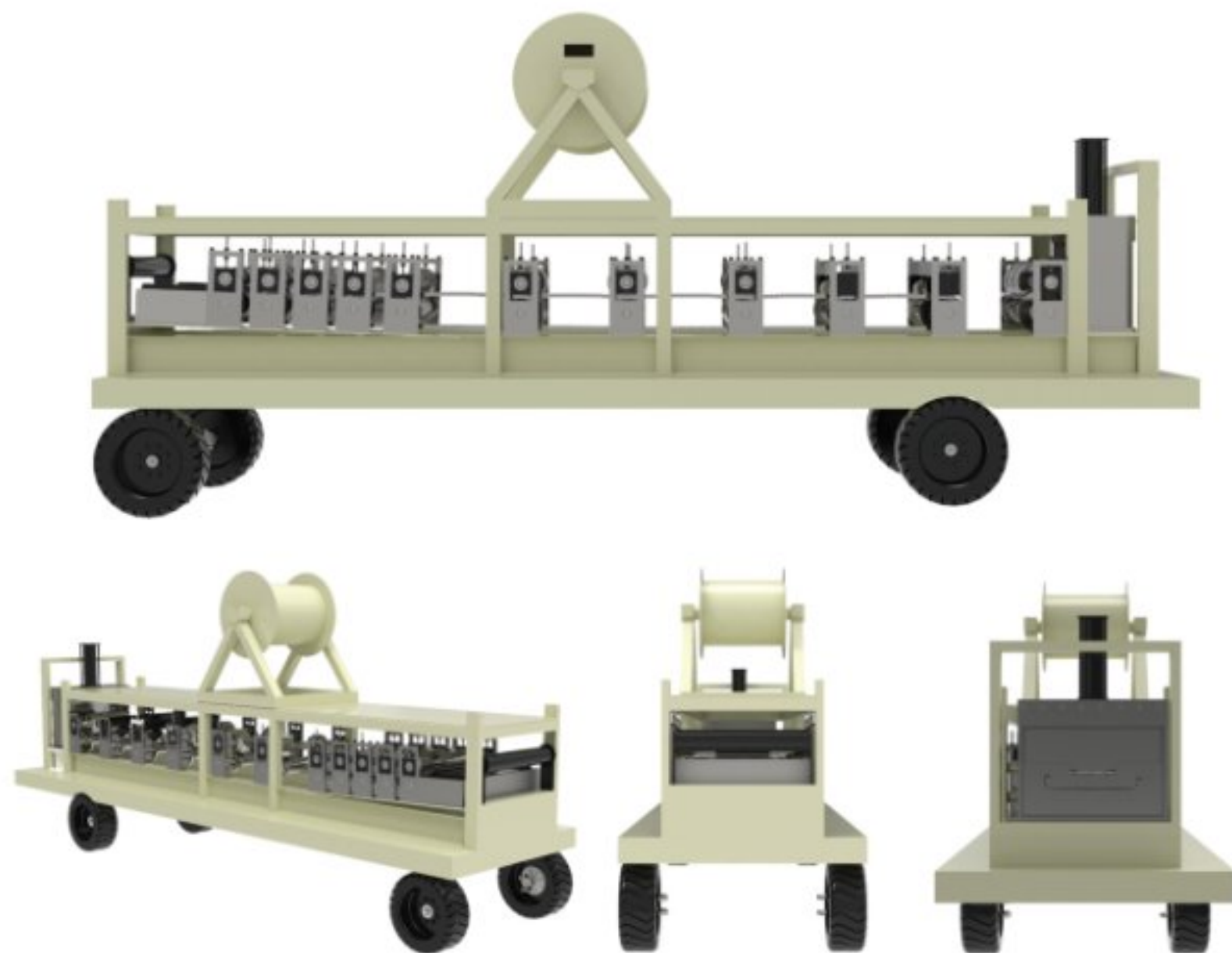
全鑫功能瓦生产线 Anti-condensation felt machine

The perfect Metal Buildings must pay attention to climate. During winter, the big difference of temperature between day and night is easy to cause condensation. If not considered in the design stage, condensation will greatly reduce the service life of the building and affect the functionality. The cost of maintenance will increase significantly.

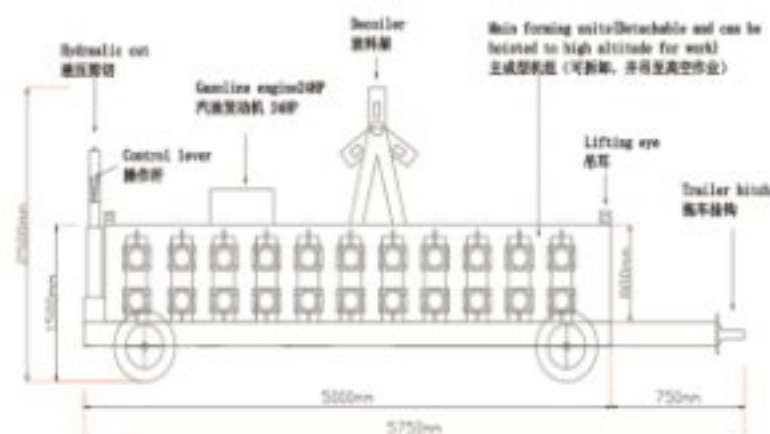
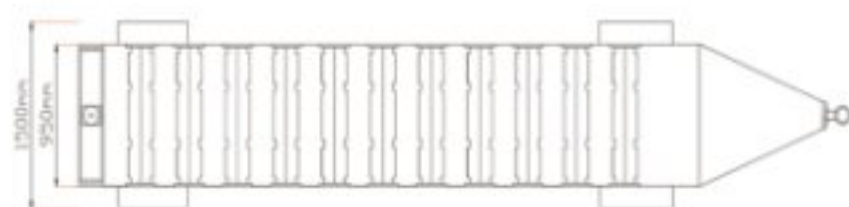
Anti-condensation felt is dedicated to solve condensation problems in metal buildings, it could replace insulation materials, with 20 years's life expectancy, reducing construction costs and easy to pass fire protection approval.



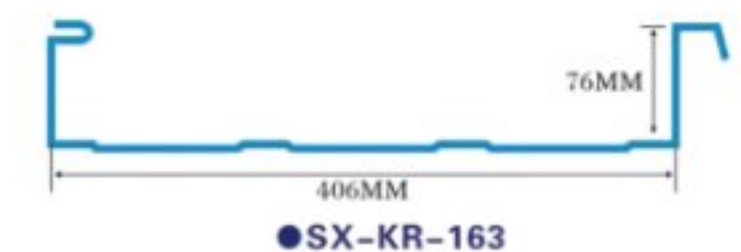
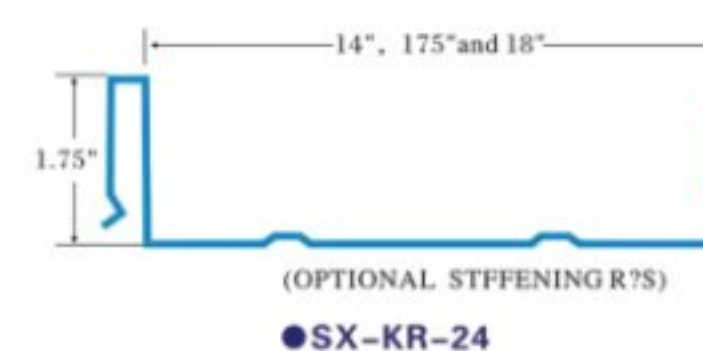
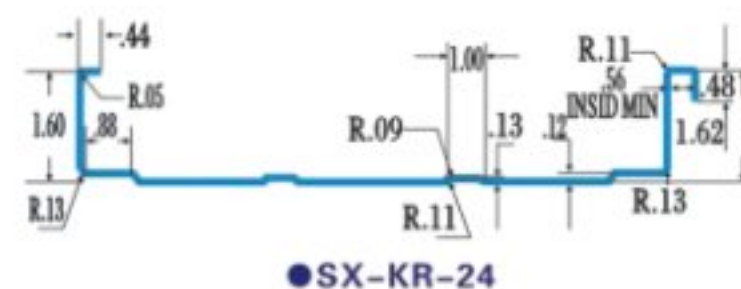
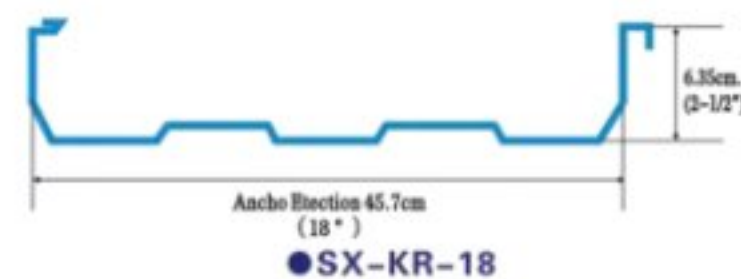
车载式立缝Kr18 Truck-mounted vertical seam Kr18



KP-18 Movable full hydraulic type roof panel forming machine
KP-18 移动式全液压闭口式屋面板成型机组



KR 设备可以被吊到空中出板，钢板之间用电动咬口机180°或360°咬合，屋面美观坚固。设备采用全液压操作系统，简单高效。



其他配件相关设备 Accessories machines

Different types and loading capacity decoilers



Portable machine



Roofing system accessories processing equipments



Receiving table series



Roofing system accessories processing equipments



2.5-6m hydraulic bending machine



Spare parts and accessories of our machine



forming moulds



16-200t punching machine



decoiler loading cart



metal sheet flatter



hydraulic station

Spare parts and accessories of our machine



Maintenance tools



Hydraulic oil pipes



Gear Sprocket



Omron encoder



electromagnetic valve



Bearings



Chain



Fuse



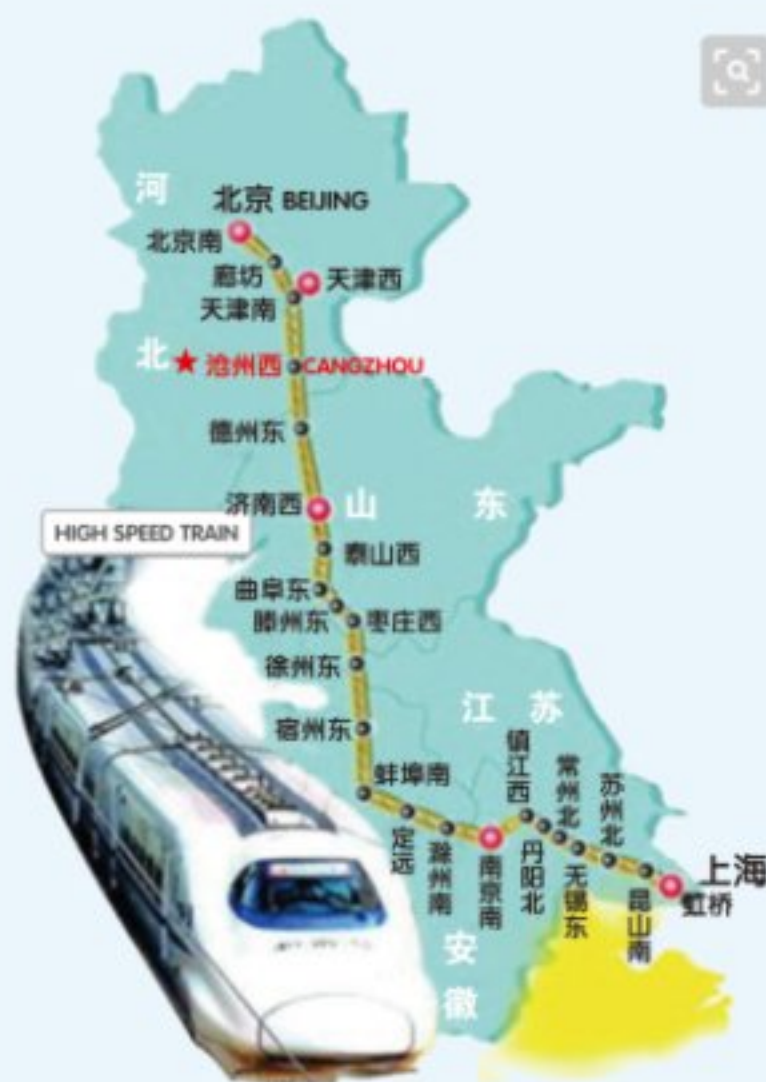
Limited switch

欢迎参观工厂 Welcome to visit the factory.

We can design the machine as customer's personal requirements, because most of our machines are customized, not standard, if you have the machine requirements, just send me the detail drawing and then we can design and manufacture the machine for you, we have our professional engineer team.

Our factory near Beijing-The capital of China, from there to our city by train only 55 minute. Welcome you visit our factory. We have many customers from all around the world, such as America, UK, Canada, Australia, Mexico, India, Russian as so on. In the America, we have customer from Texas, Florida, Washington as so on, if you need our machine please contact us, thank you very much, our website:

www.rollsformingmachines.com



发展历程 The development course



中拓冷弯成型设备的发展历程

2006年，一位经验丰富的工程师带着几个外贸业务人员开设了一家公司，用于安装机器并帮助客户出口一些相关的商品。有时也会免费为客户维修机械。同时，我们还帮助客户出口一些商品，例如原材料，成品等。由于其丰富的行业经验，中拓逐渐在该地区的冷压行业公司中赢得了良好的声誉。我们了解机器的各个方面，我们知道哪种设计更适合哪种类型的客户，以及如何为客户选择最佳的机器。由于具有可靠的机械结构和出色的售后服务，中拓在很短时间内占领本地市场。同时，随着入世后中国金属成形行业的快速发展，对卷材加工设备的要求也在不断更新。我们扩大了机械产品的范围。在出国安装设备过程中，我们从其他同行的成型机工厂学习了更先进的技术。例如，在美国滚压成型机工厂，我们学习对如何提高金属面板的工作速度了解更多。从韩国工厂开始，我们知道如何通过热压制造PE覆膜机。中拓敏锐地感觉到本地市场的变化需要更高的自动化设备。然后，我们向世界领先的品牌学习，并开始在冷压成型生产线上进行创新。

Growing of ZHONG TUO machinery

One engineer opened a small maintenance shop and company with a few foreign trading sellers in 2006 for installation machines and exporting some related good. Sometimes we also repair mechanical machines for clients free. Meanwhile we also help clients export some goods, like the raw material, finished products and others. Thanks to the rich experience in the industry, it gradually gains a good reputation among the rolling forming companies in this district. We know every aspects of the machines, we know what designs is better for which kind of clients and how to choose the best machines for clients.

With a reliable mechanical structure and excellent after-sales service, it occupies the local market in a short time. At the same time, the requirements of coil handling equipment are updating as the rapid growth of the metal rolling forming industry in China after entering into WTO. We expands products range from mechanical. During installation aboard, from other rolling forming machines factories we learned more advanced technology. For example, from American rolling forming machine factory, we know more about how to enhance metal roofing sheet working speed. From Korean rolling machine factory, we know how to make PE fliming machines by hot pressing. Zhongtuo sensitively felt the local market changes that require higher automation equipment. Then we learn from world-leading brands and starts to innovate on the compact rolling forming production line.