

SALES NETWORK



Suzhou GZ International Corporation

Add: R-1035, 10F, Nison Plaza, No.205 Suzhou West Avenue, Suzhou 215000, China.

Add: No.1015, New 1 Street, Development Area, Xingxiang City, Henan Province, China

M: admin@corp gz.com | DL: +86 13810493719 | F: +86 512 85186787 | www.corp gz.com

TO BE THE WORLD-LEADING ROLL FORMING
SOLUTION PROVIDER



COMPANY PROFILE ◀

Suzhou GZ International Corporation belongs to TianFon Green Assembly Group. Our company is a professional manufacturer to produce the cold roll forming machines. As a permanent member of China Cold Roll Forming Association, we have many honor titles including the Drafting Unit of Industry Standards, the National High-tech Enterprise, a provincial Key Demonstration Enterprise of Manufacturing Informatization. Meanwhile, our company has obtained several national invention patents and ISO 9001 quality system certification. Until today, we have exported products to 99 countries and regions.

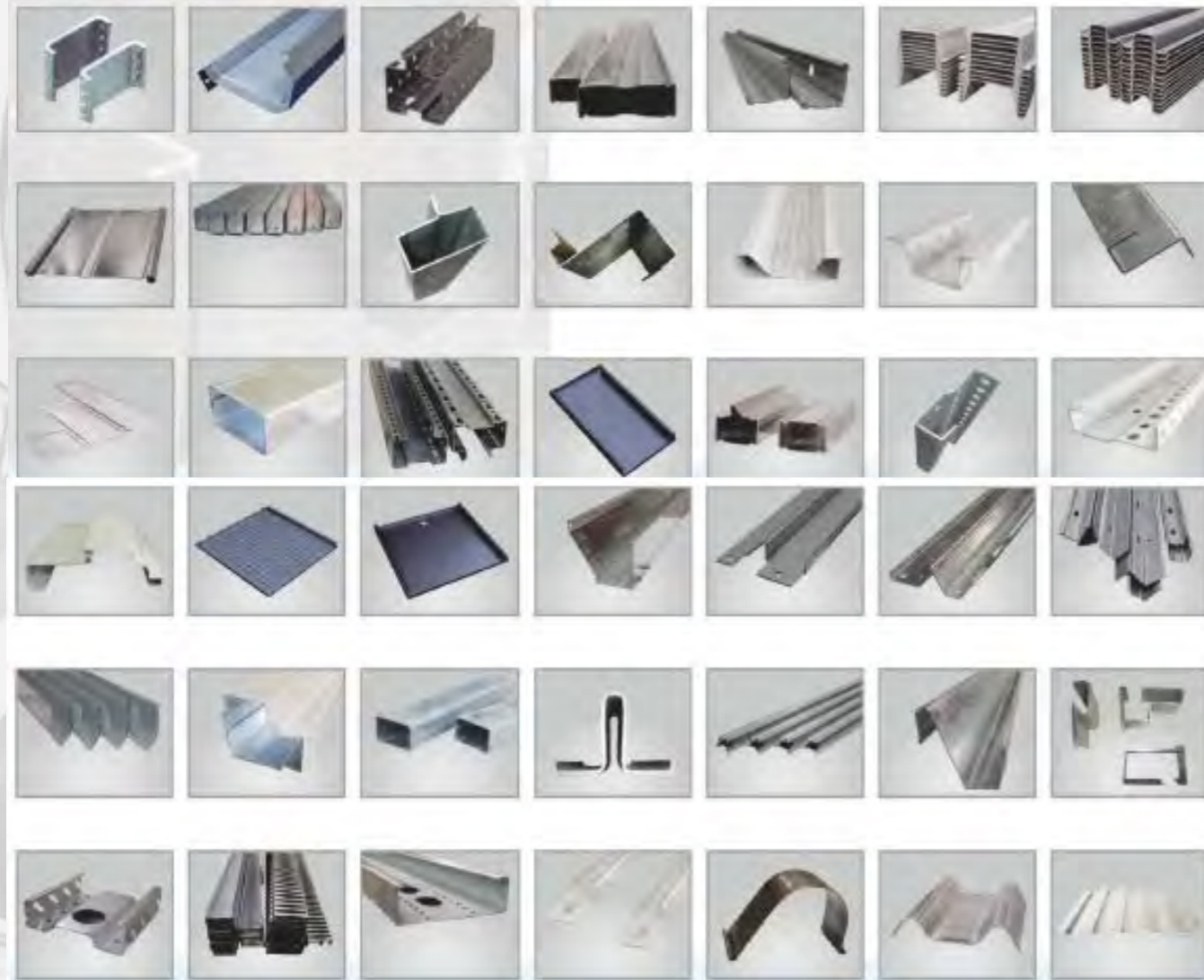
The roll forming line can be used in many industries. In electrical industry, the line can be used to produce bus-bar channel, cable tray and electric cabinet sections. In storage and logistics industry, the line can be used to produce racks. In construction industry, the line can be used to produce large-scale metal components and decorative panels. In automobile industry, the line can be used to produce carriage panels, bumpers and automobile girders. In transportation industry, the line can be used to produce locomotive skeleton and expressway guardrail panels. In steel structure industry, the line can be used to produce C and Z type Purlins, floor decks, and roof or wall panels. In environmental protection electrostatic precipitation industry, the line can be used to produce anode and cathode dust collection Profiles. In agriculture and animal husbandry industry, the line can be used to produce metal components of granaries and feeding system. In stereo garage industry, the line can be used to produce wave plates and side beams. Besides, the line can also be used to produce pipe gallery hangers, photovoltaic solar support. We can also design various precision cold forming production lines or metal profiles to meet requirements of customers. Beyond that, we also provide users with 0.3-20 mm *500-2000 mm uncoiling, leveling, slitting, recoiling, cut to length and stacking production line.

Our company is committed to be the most professional cold roll forming solution provider in the world. Our experienced team have engaged in designing and developing for many years. We have the advanced large-scale CNC gantry milling processing center. After-sales service network is also established to ensure solve problems when the customer using the equipment. We believe that we will create a bright future by our technologies and services.

CONTENTS ◀

- 03 / General View
- 04 / Main Partners
- 05 / Electrical Industry
- 09 / Logistics Industry
- 12 / Construction Industry
- 16 / Steel Structure Enclosure Industry
- 19 / Automobile Industry
- 22 / Locomotive Industry
- 23 / Environmental Protection Industry
- 26 / New Energy Industry
- 28 / Agriculture and Animal Husbandry
- 31 / Slitting And Cut To Length Industry

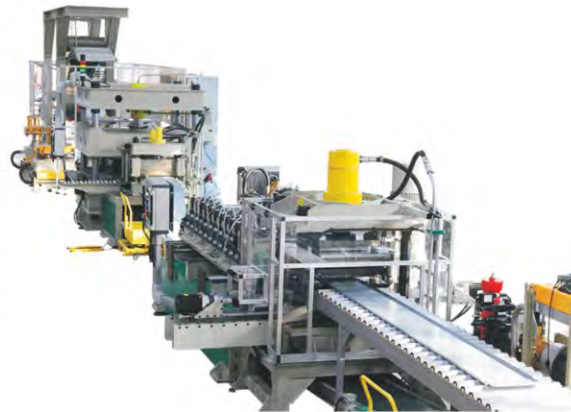
GENERAL VIEW▶



PARTNERS▶

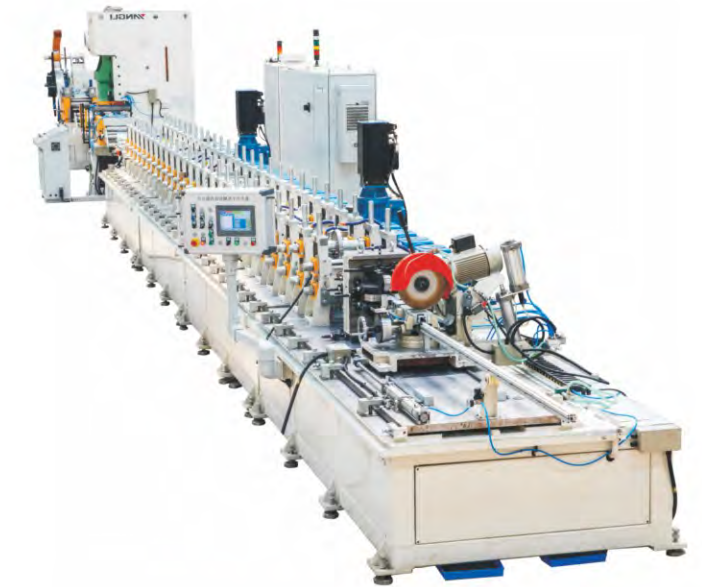
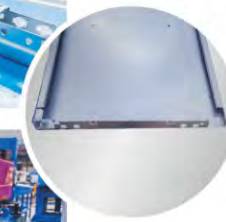
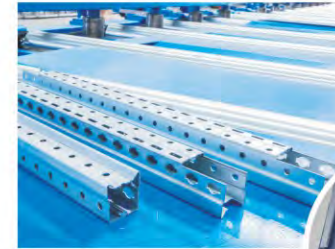
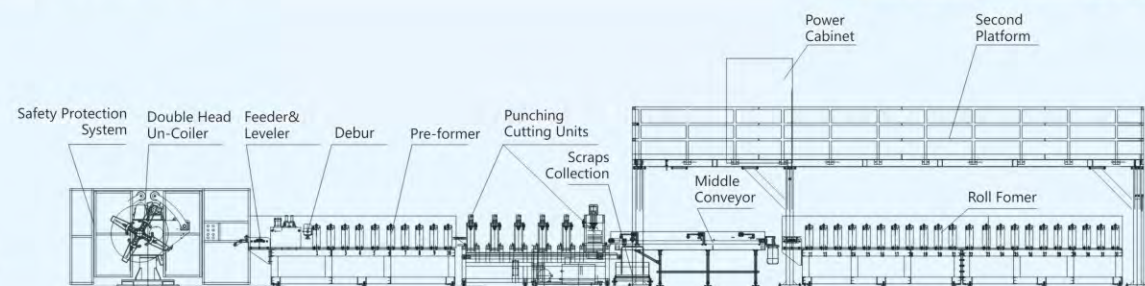
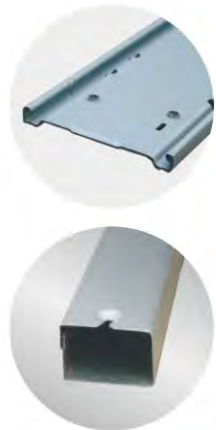
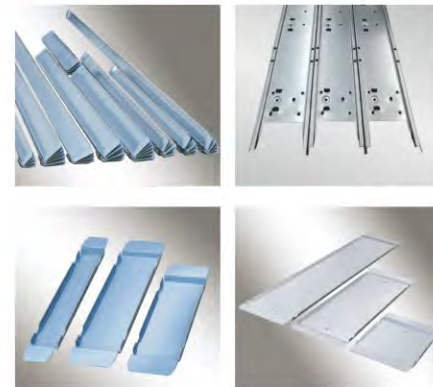
The Busbar Enclosure Roll Forming Line.

• The Busbar Enclosure Roll Forming Line can make the auto servo adjustment of notching, forming and cutting on the touch screen. More than 1000 specs of profiles can be produced by choosing the data in the program, without any mechanical adjustment. The whole line is with protection function of short-circuit, over-load, over-voltage, over-current, phase failure etc. There are detectors of temperature, hydraulic pressure, air pressure, lubrication, running position of profile, motor speed, security protection at each position. When there appears a fault, the error location and handling method will be shown automatically.



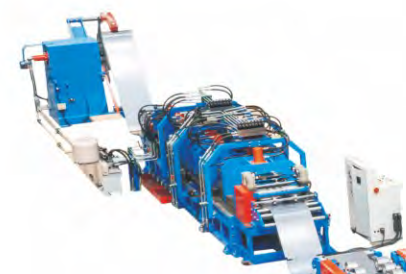
The Busbar Section Roll Forming Line.

• The production speed of this line can reach 35m/min, and the size tolerance is $\pm 0.2\text{mm}$ and length tolerance is $\pm 0.15\text{mm}$. The line is with the protection functions of short-circuit, over load, over voltage, overflow, default phase, and has the monitoring functions of temperature, hydraulic, pneumatic, lubrication, sheet location, motor speed and safety. It will alarm and show location and handling method when error happens.

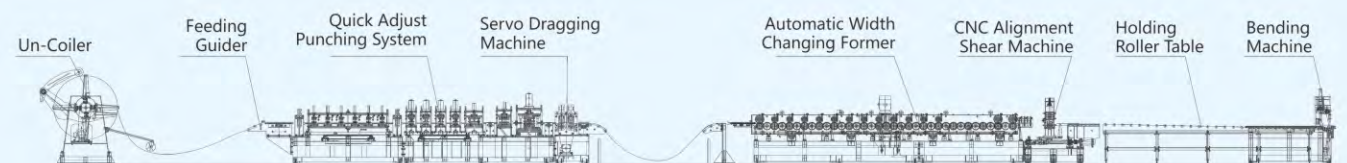


TF35*28 Power Cabinet Column Roll Forming Line

• TF35*28 power cabinet column production line is used to produce low-voltage distribution cabinet column. The production line has the functions of butt welding, punching, forming, seaming, fixed length cutting and detection. It can solve many industry problems such as punching deformation, inconsistent accuracy of different face positions, non-detection of dense punching, fluctuation of material properties and size fluctuation etc. It can make the comprehensive accuracy of products reach $(\pm 0.5\text{mm})$ and able to meet customers' accuracy requirements.

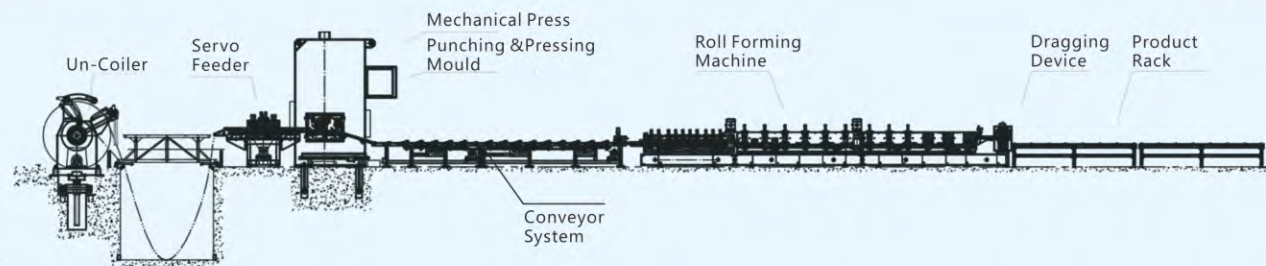
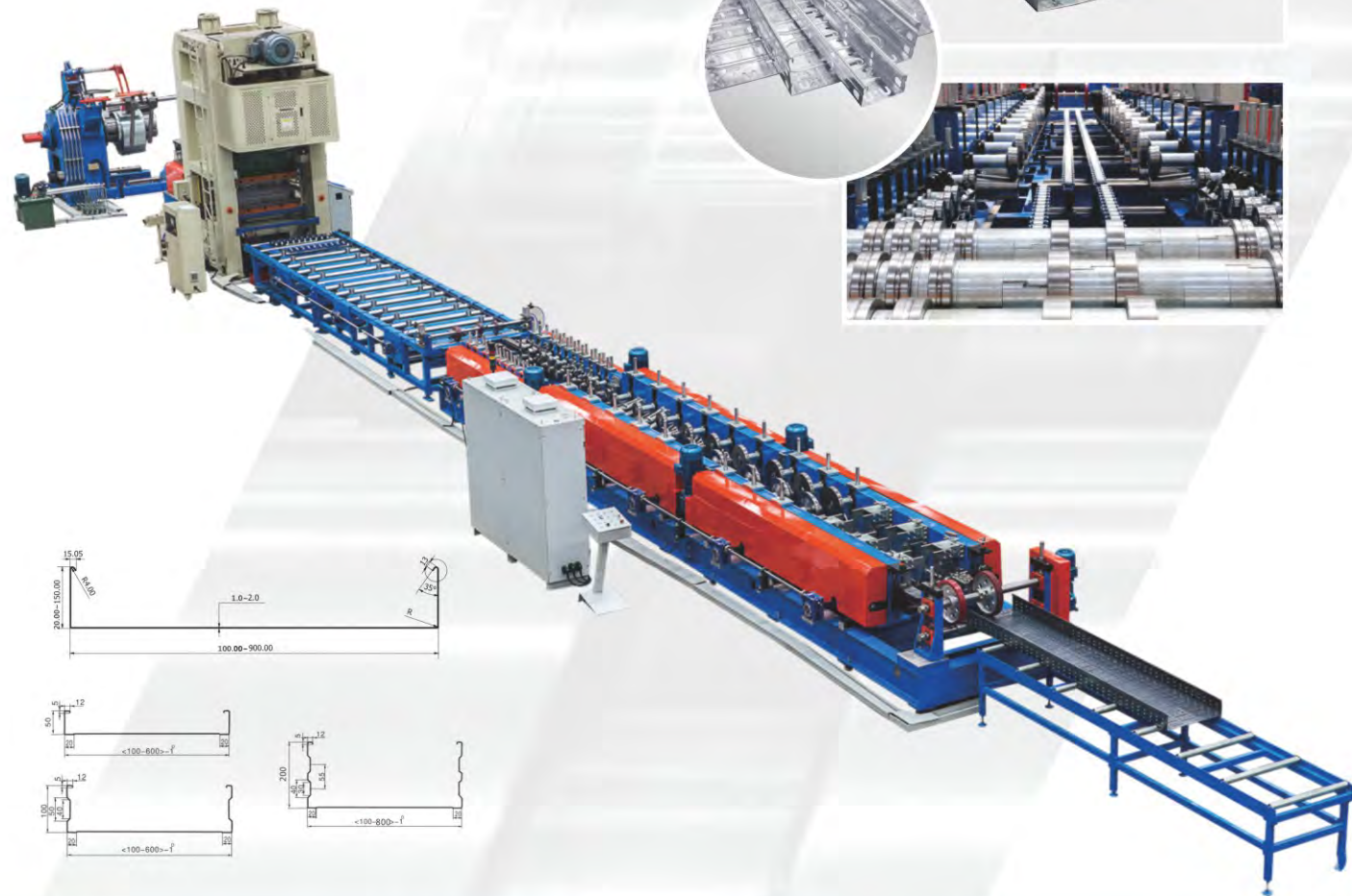
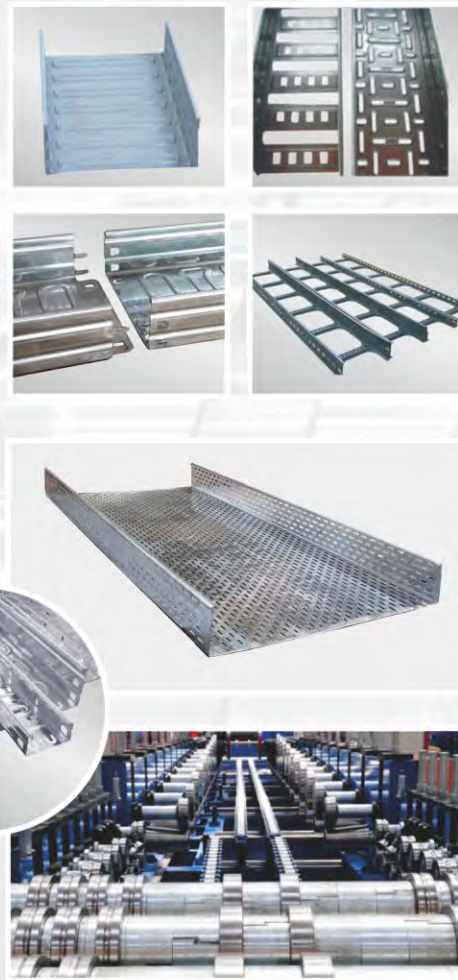


TF Electrical Cabinet Door Panel Roll Forming Line



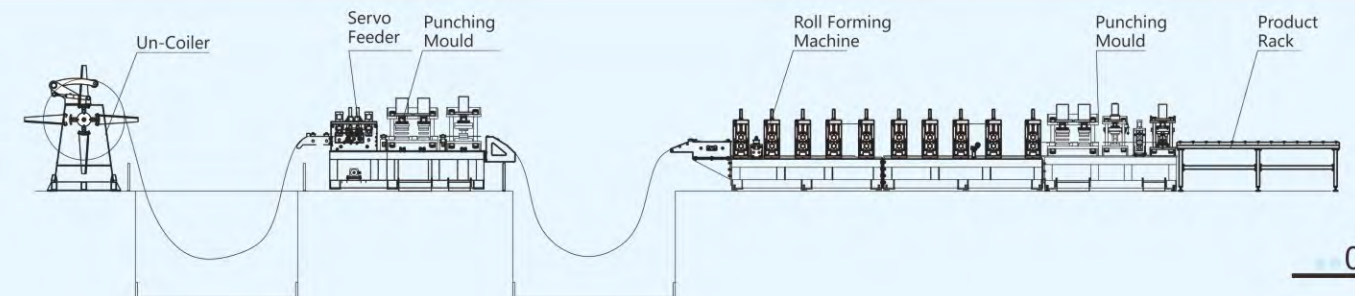
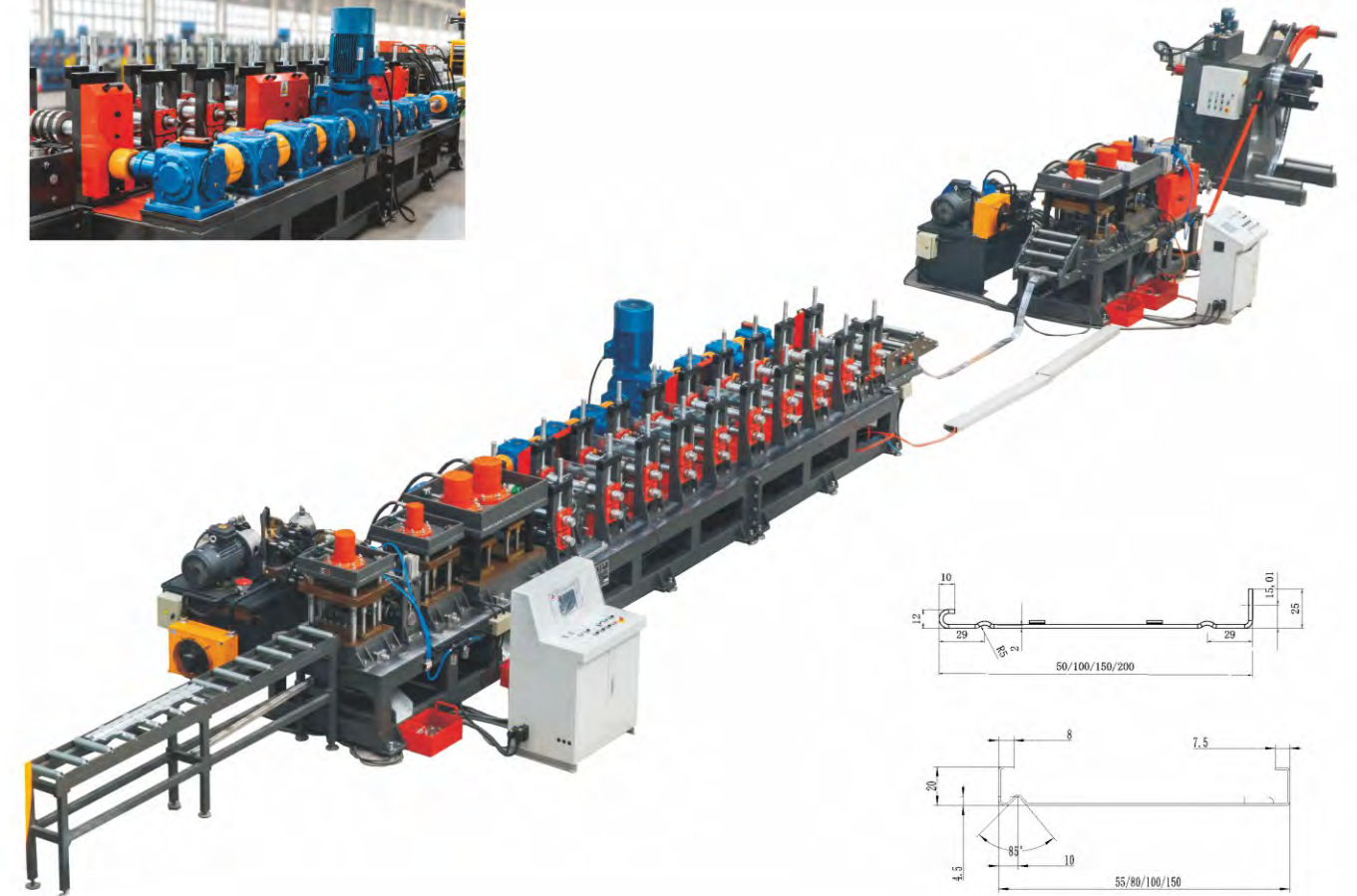
TF600-150X Cable Tray Forming Line

• TF600-150X cable tray forming line is composed by un-coiler, servo leveling & feeding, punch, auto transport, roll forming, run out, PLC control etc. Production speed is up to 20m/min. More than 3000 groups of profile data can be set in the control system and it just needs one operator to operate the whole line. The line is equipped with remote control, safety light curtain, molds quick change system, CNC auto-feeding and adjustment of the product's size.



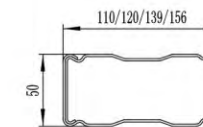
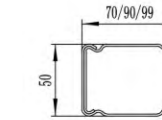
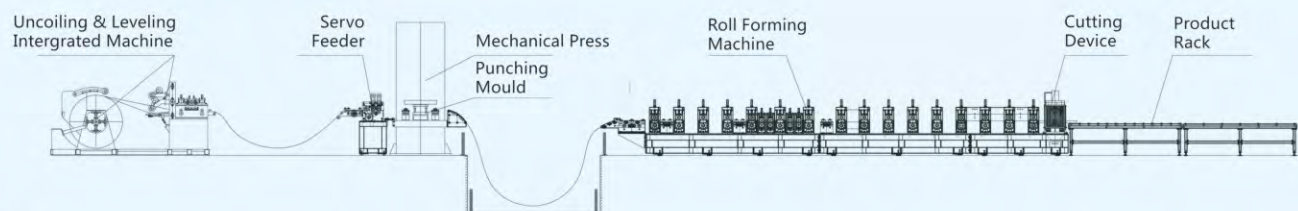
TF25-200X Cable Ladder Forming Line

• TF25-200X cable ladder forming line has the following functions: uncoiling, leveling feeding, pre-punching and cutting, forming, post punching, shearing and discharging. The profiles could be changed through adjust feeding width, replacing the punching tools, adjusting the roll split sleeve etc. The production line has the characteristics of reasonable structure, simple and convenient operation, safety and reliability, short producing process and wide use of products etc.



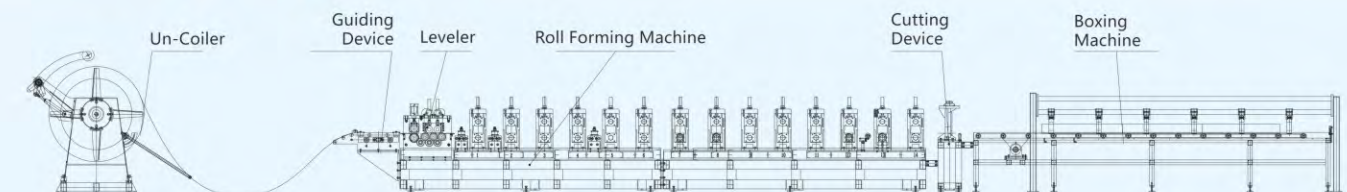
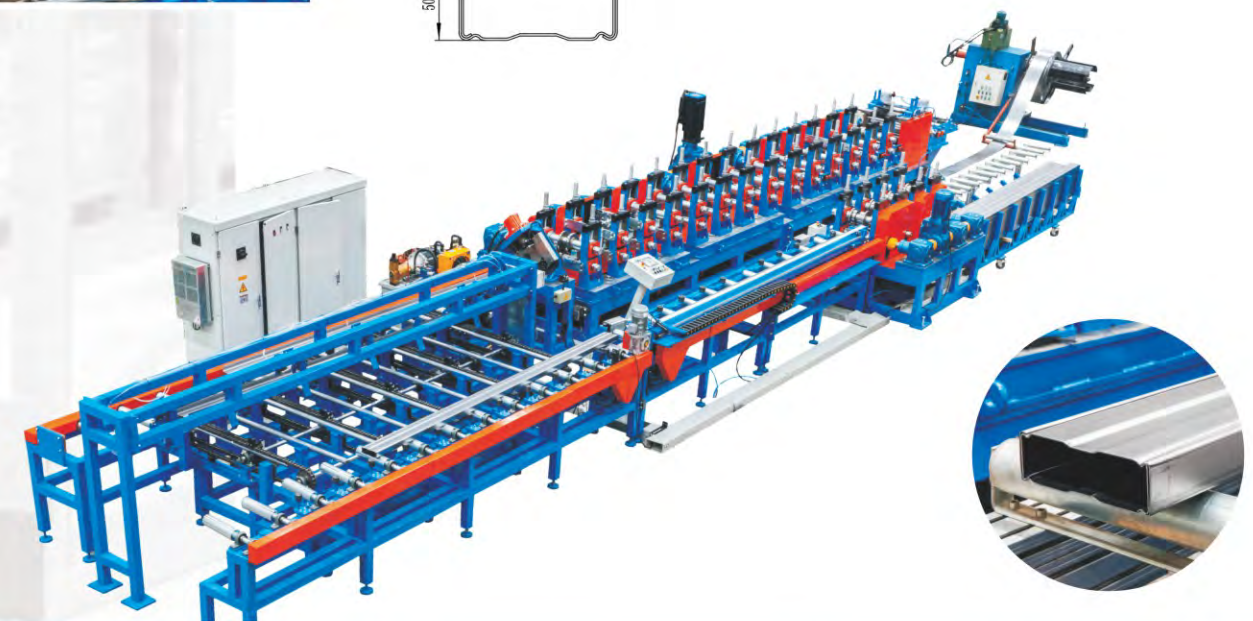
TF Upright Roll Forming Line

- This line has auto flow production functions of uncoiling, butt-welding, leveling, servo feeding, punching, roll forming and track cutting etc. Punching, roll forming and cutting can be combined perfectly. One operator could run the whole line. The final products have high precision and good quality appearance. With a short producing assistance time, the equipment can stay stable in producing. The production speed can reach 20m/min.



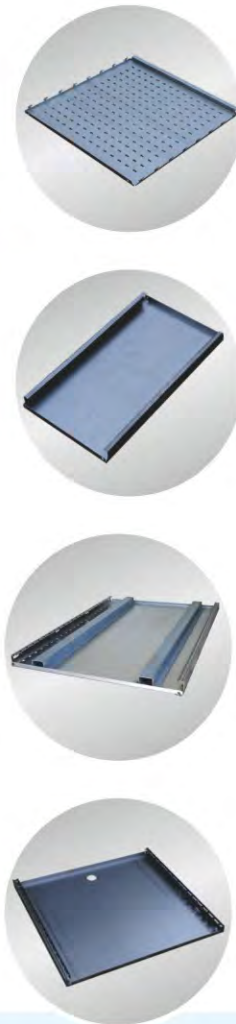
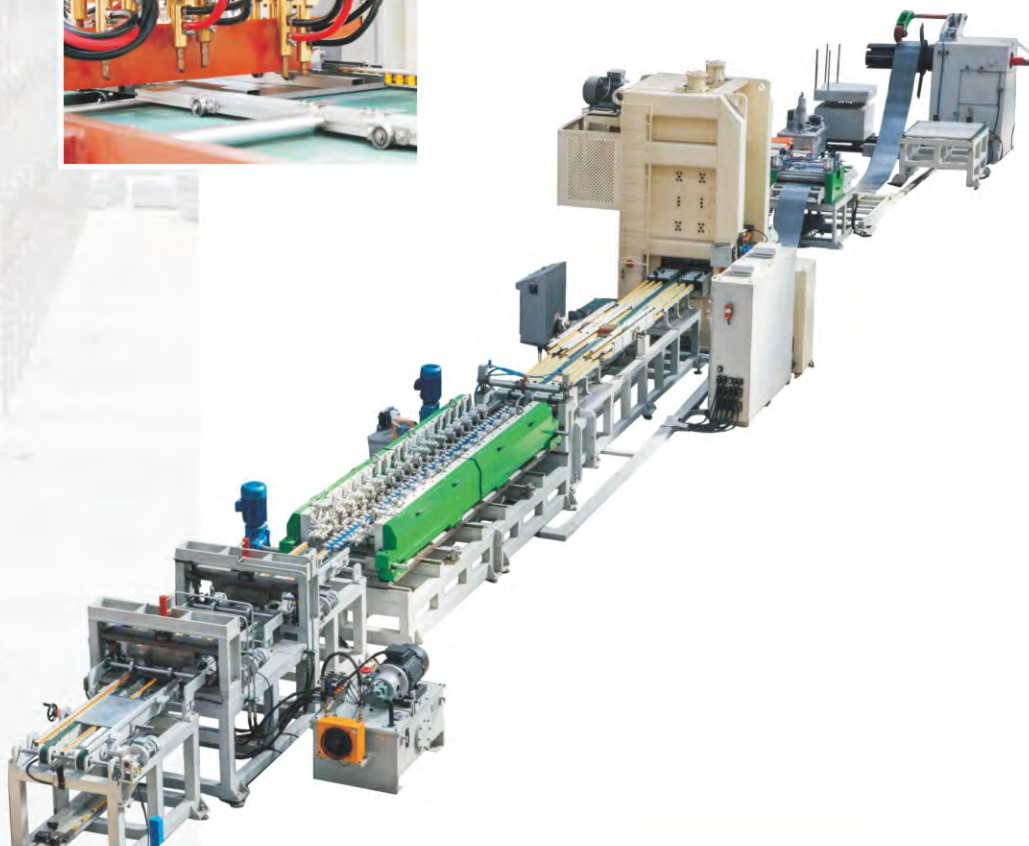
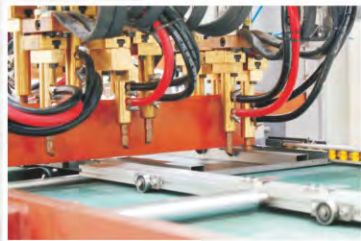
TF Bracing Roll Forming Line

TF Boxing Beam Roll Forming Line



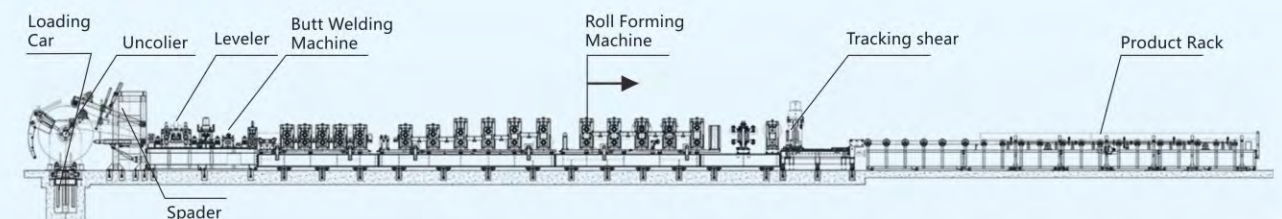
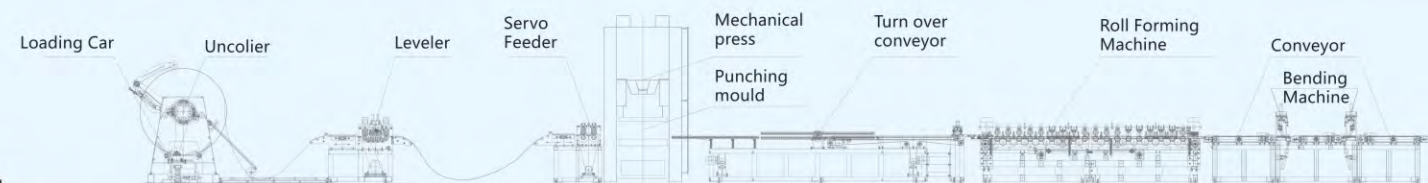
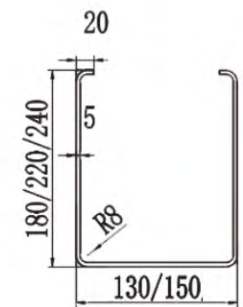
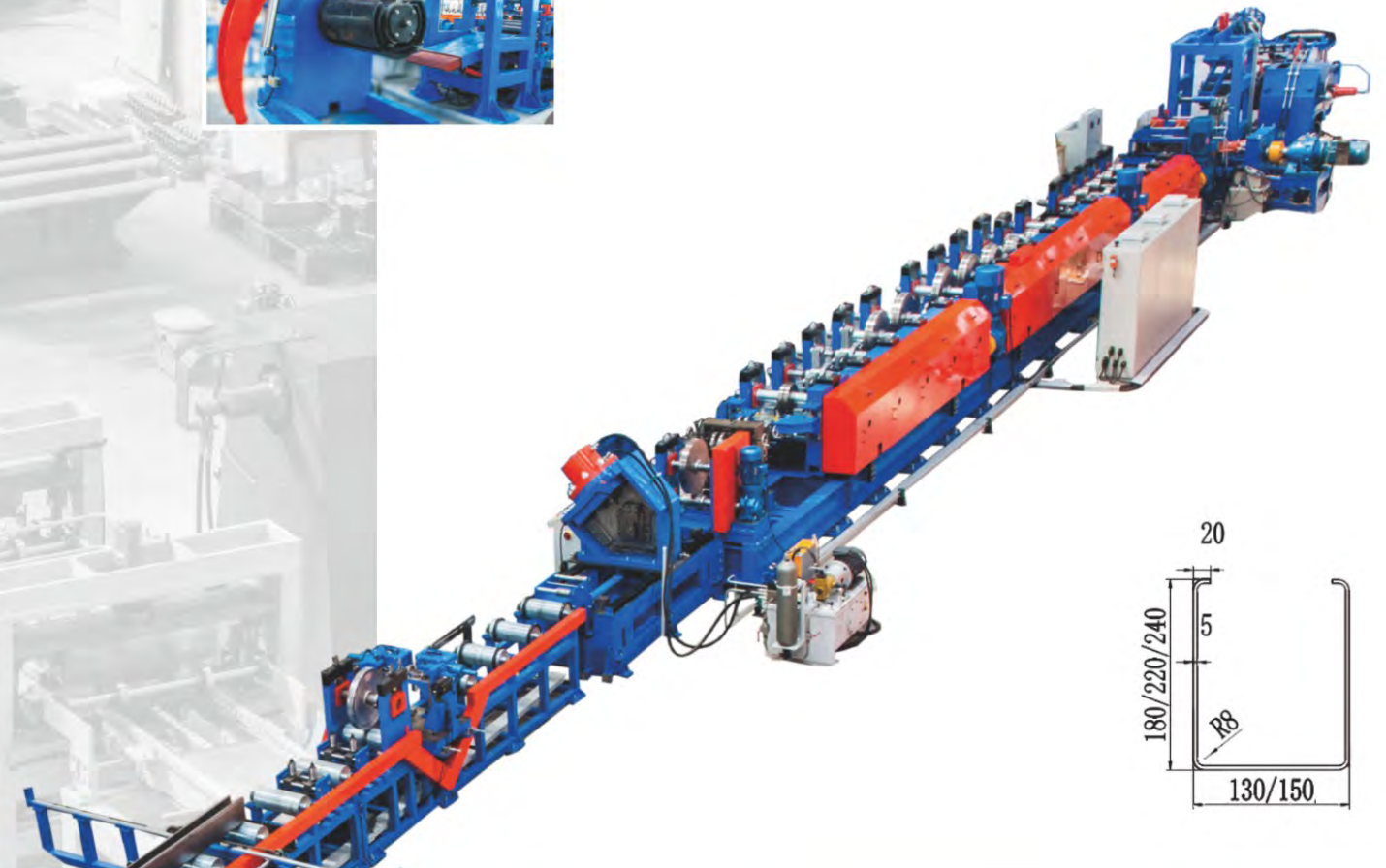
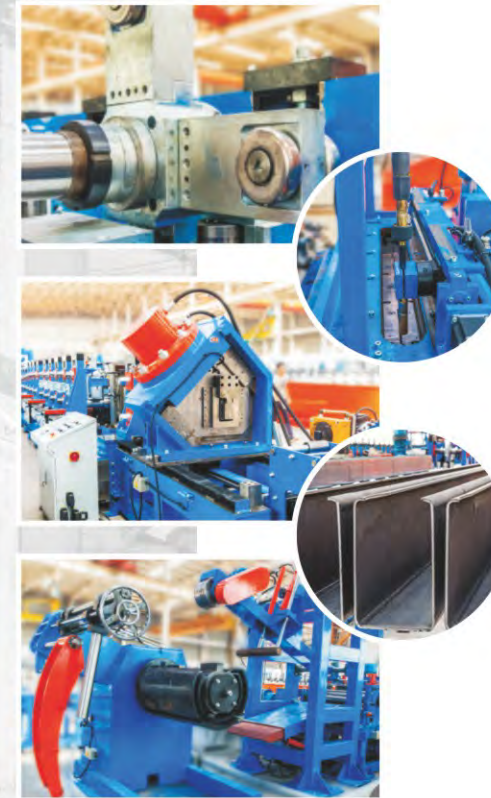
TF Automatic Shelf-Panel Roll Forming Line

• TF automatic shelf panel roll forming line is used to produce box shelf. The width and length of the parts can be set by touch screen parameters; The function of grasping, positioning, welding and conveying is achieved by the robot, the whole parts could be produced automatically and continuously.



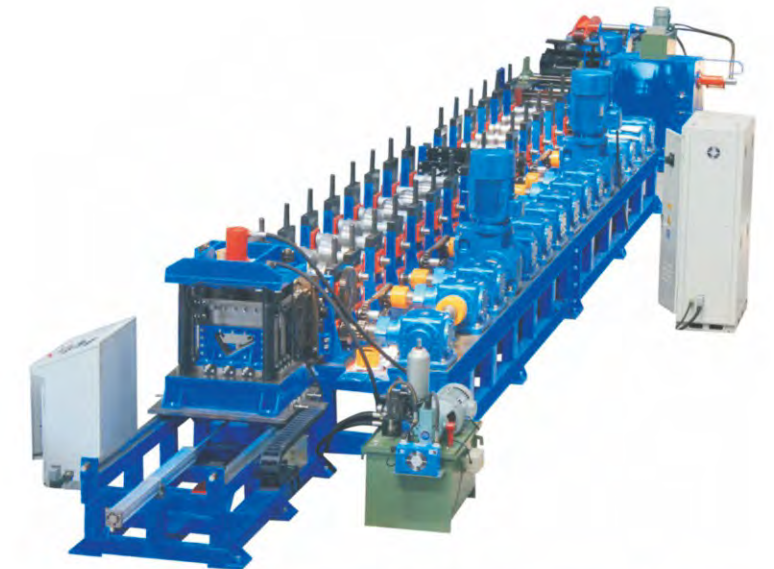
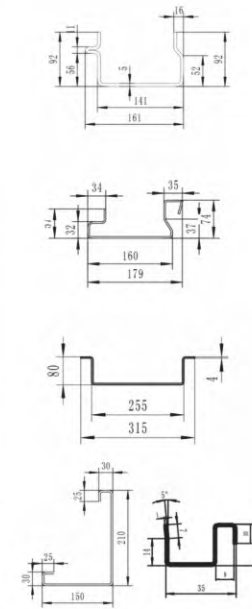
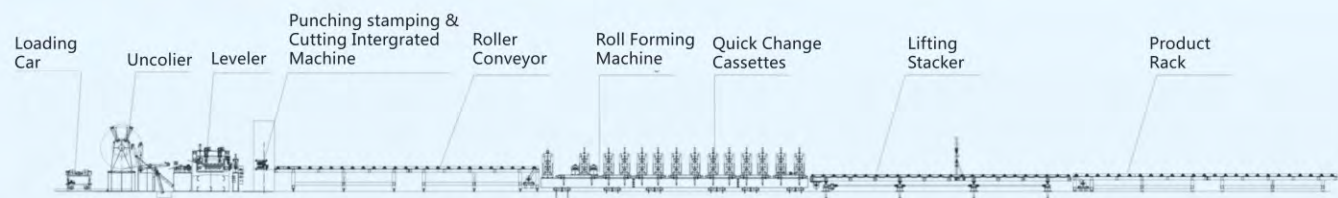
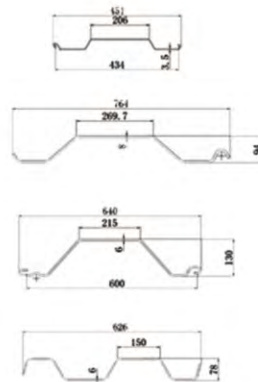
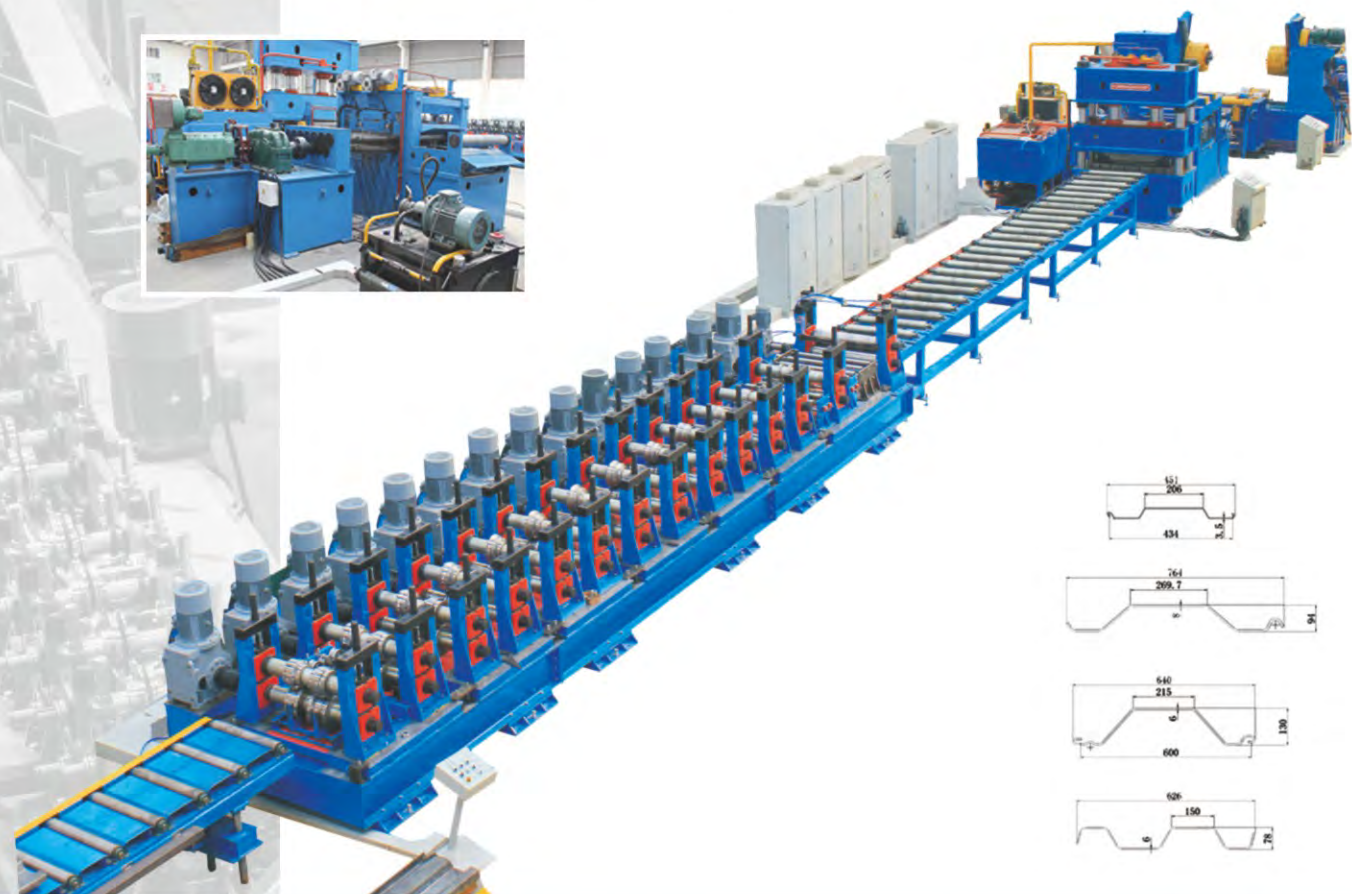
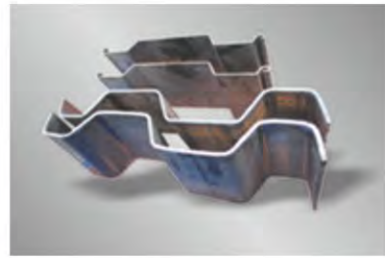
TF U Channel Quick-adjusting Roll Forming Line

• The line has the functions of uncoiling, feeding, leveling, butt welding, roll forming, cutting, stacking and so on. It can produce U profiles with 240 height, 130 bottom width, 3-6mm thickness. It just needs 3 minutes to adjust the different heights and widths. In this line, we have achieved the servo flying cutter can cut without waste, meanwhile the production speed will not slow down. We are the first company can master this processing technique in Chinese roll forming industry.



TF78-626(KKD) Piling Automatic Production Line

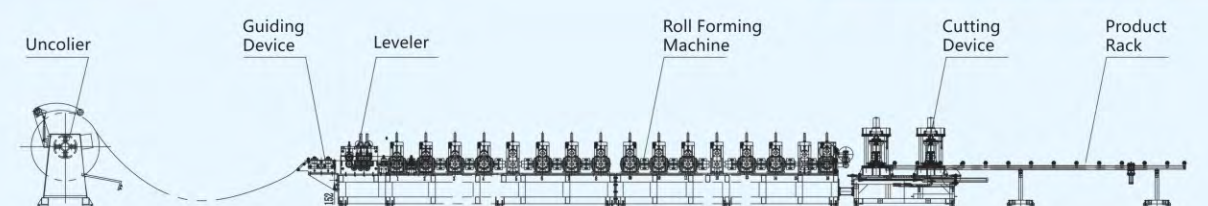
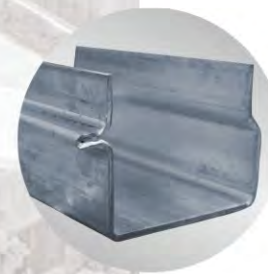
•TF78-626 (KKD) piling automatic production line is integrated functions of uncoiling, leveling, fixed length punching, stamping, shearing, roll forming, palletizing, etc. The forming machine adopts the quick change unit of cassette. By the quick change unit, more types of steel sheet piles with different cross-sections can be produced. Each forming pass is driven by a single motor to save energy and reduce consumption. The maximum cross-sectional size of the formed plate is 8 mm (plate thickness)*1000 mm (plate width).

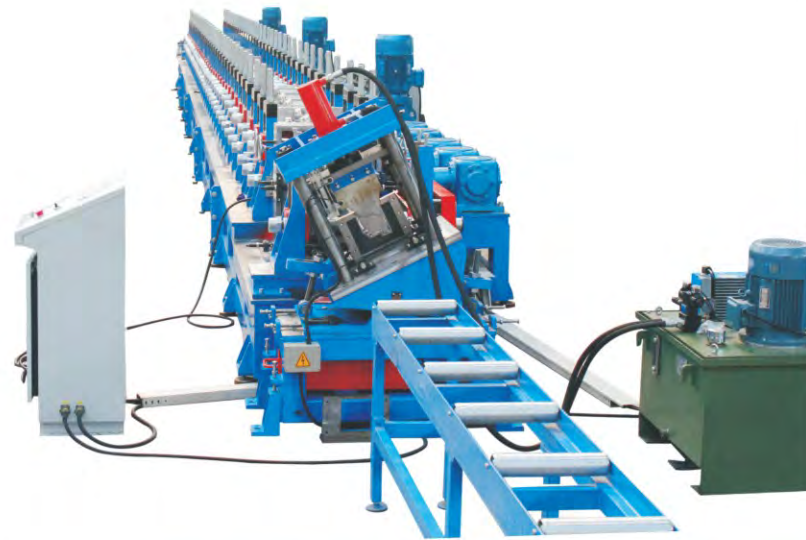
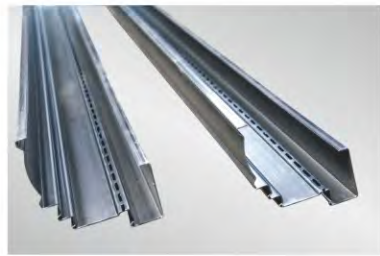


TF Container House Beams Roll Forming Line

TF Container House Sections Roll Forming Line

•TF container house sections roll forming line is used to produce sections such as top beam, ground beam, column and flashing gutter for container house production. The production line is equipped with uncoiler, puncher, forming machine, cutting machine, electrical control system and hydraulic system to finish one-time processing.

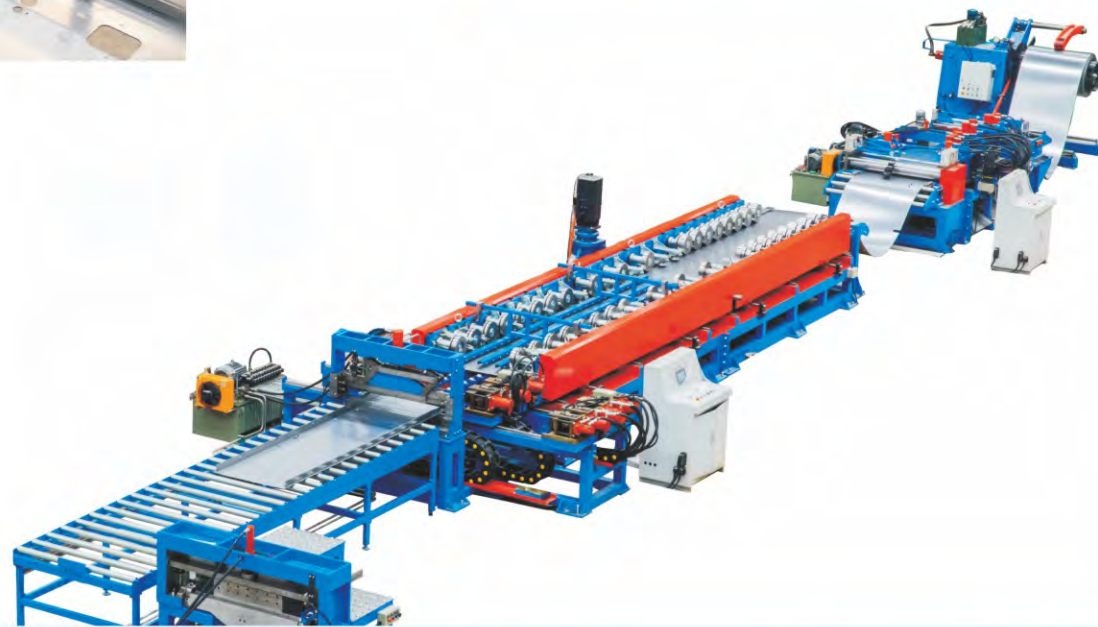




TF Steel Door Frame Production Line

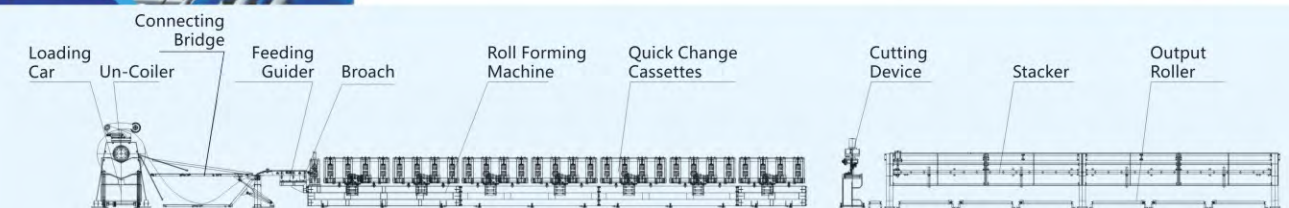
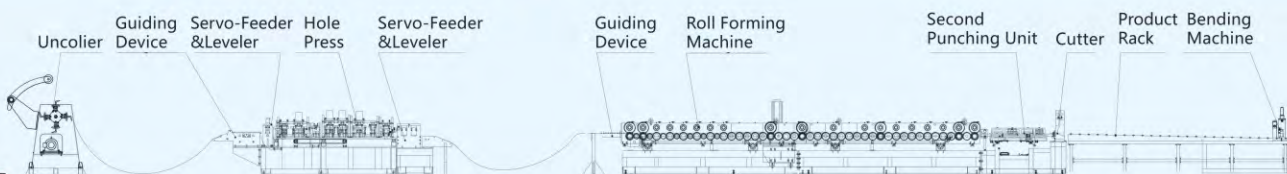
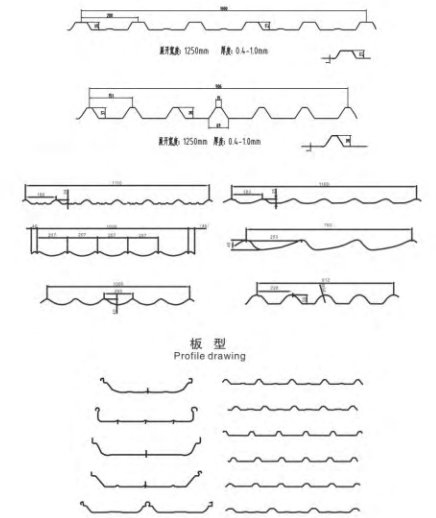
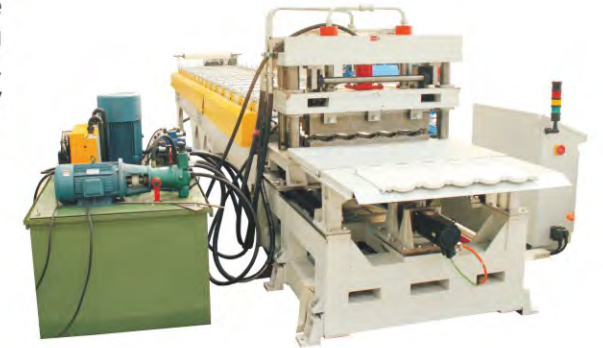
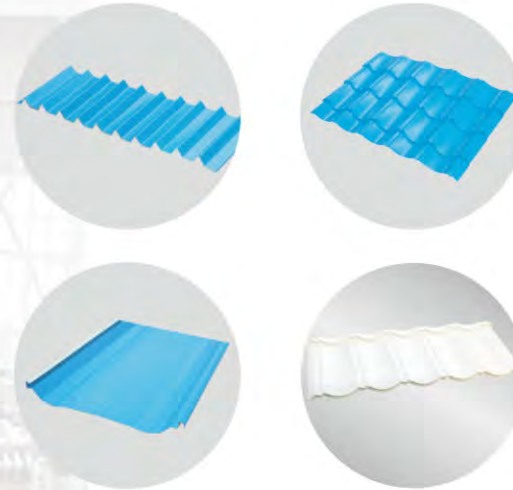
• TF steel door frame production line is used to produce metal door frame profiles, mainly composed by uncoiler, leveler&feeder, press, feeding guider, roll forming machine, double-heads straightener, hydraulic shear, overturning rack, hydraulic and pneumatic system and electrical control etc. The line has advantages of reasonable structure, convenient operation, safety and reliability, short producing process and wide usages of product.

TF Door Panel Production Line



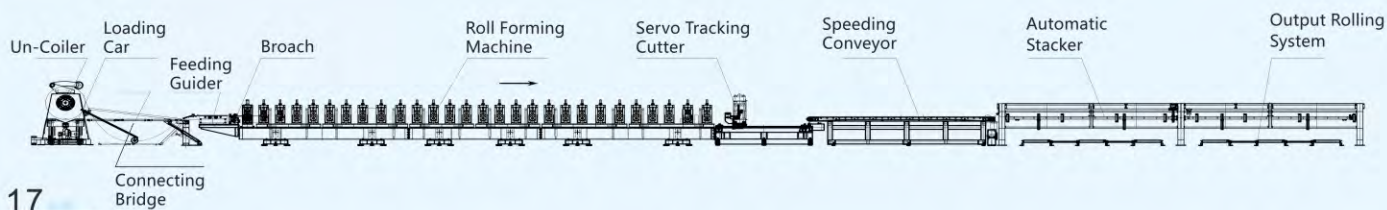
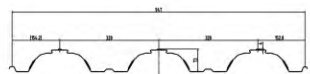
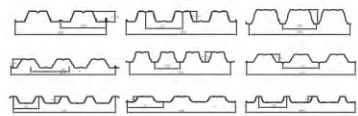
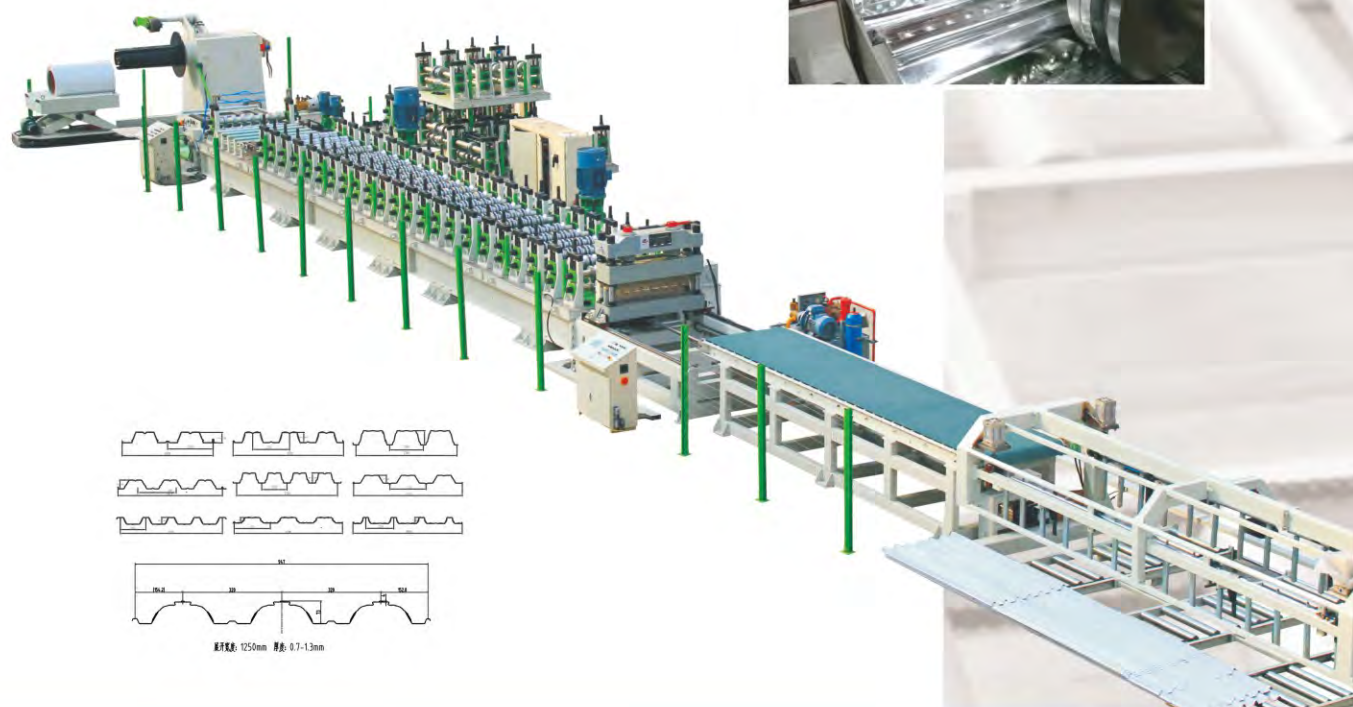
TF Roofing Panel Roll Forming Line

• The production speed can reach 25m/min. The line can produce different profiles by changing the quick cassettes, and can be remote controlled. It has the fully safety fence; meets CE safety standard and passes CE certificate.



TF Decking Floor Roll Forming Line

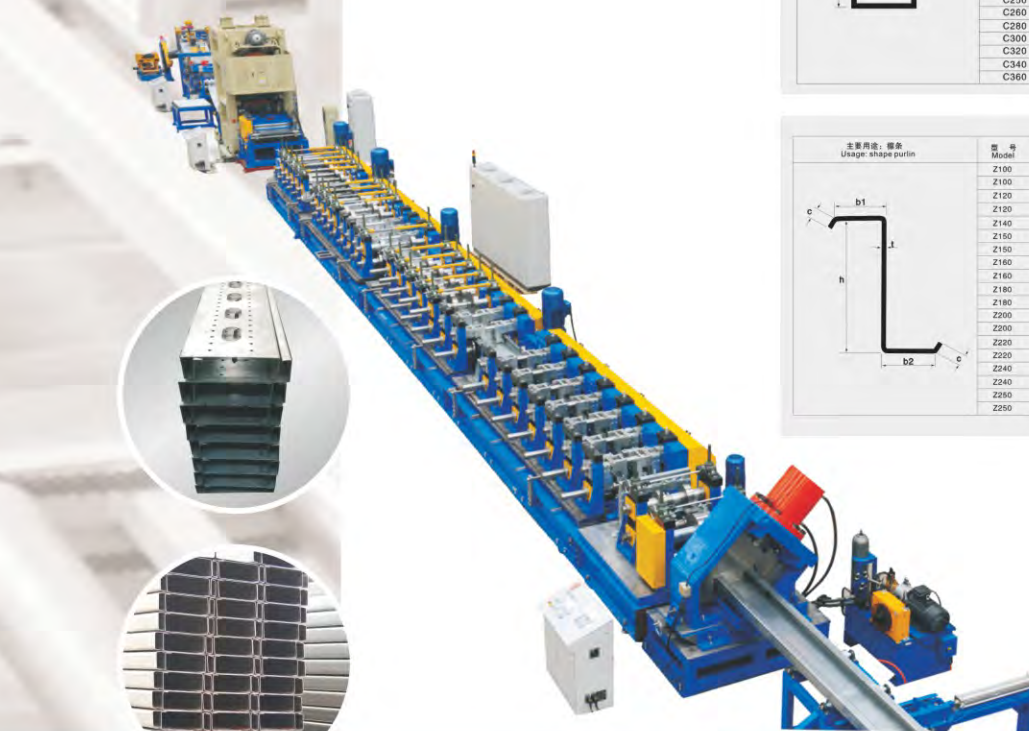
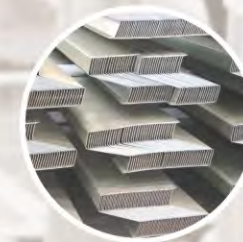
• The production speed can reach 40m/min(include cutting). The line can produce different profiles by quick change cassettes. The PLC system controls the de-coiler, shear, roll former, servo-flying cutter and stacker. By HMI control, one worker can operate the whole line and it can set multi-group data each time and produce automatically. The line is approved CE certificate, also equipped with remote control and safety light curtain.



TF High-speed C&Σ(Z) Profiles Roll forming Line

• The production speed can reach 40m/min (includes cutting & punching time). Multiple profiles can be produced by CNC adjustment. PLC centrally controls the whole line, including de-coiler, loop, leveler&feeder, press, pre-cutter, quick adjusting roll former, servo-flying cutter, stacker and discharging unit. By HMI control, one worker can operate the whole line. Multi-group data of producing mission can be set in once time, then the line can produce automatically. The line is approved by CE certificate, also equipped with remote control and safety light curtain.

• The production line performance is at the leading level in the field. It adopts high-speed servo-feeder and high-performance press, which greatly improves the production efficiency and punching precision.

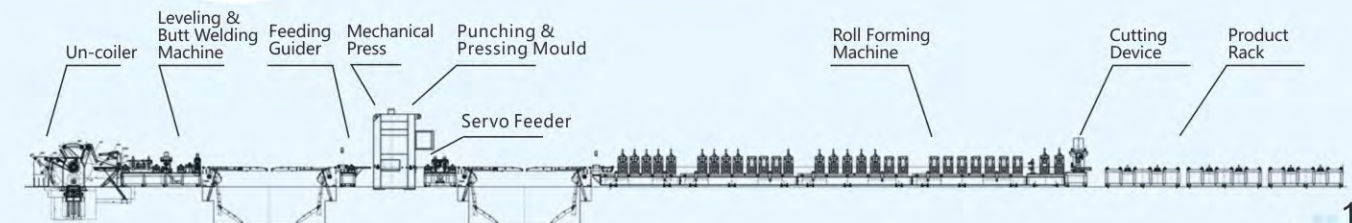


主要用途: 檩条
Usage: shape purlin

型号 Model	断面尺寸 Section size			
	h(mm)	b(mm)	c(mm)	t(mm)
C80	80	40	15	2.0-2.5
C100	100	40	20	2.0-3.0
C100	100	50	20	2.0-3.0
C120	120	50	20	2.0-3.0
C120	120	60	20	2.0-3.0
C140	140	50	20	2.0-3.0
C140	140	60	20	2.0-3.0
C160	160	60	20	2.0-3.0
C180	160	70	20	2.0-3.0
C180	180	60	20	2.0-3.0
C180	180	70	20	2.0-3.0
C200	200	60	20	2.0-3.0
C200	200	70	20	2.0-3.0
C220	220	70	20	2.0-3.0
C220	220	80	20	2.0-3.0
C240	240	70	20	2.0-3.0
C240	240	80	20	2.0-3.0
C250	250	80	20	2.0-3.0
C260	260	80	20	2.0-3.0
C280	280	100	20	2.0-3.0
C300	300	100	20	2.0-3.0
C320	320	100	20	2.0-3.0
C340	340	100	20	2.0-3.0
C360	360	100	20	2.0-3.0

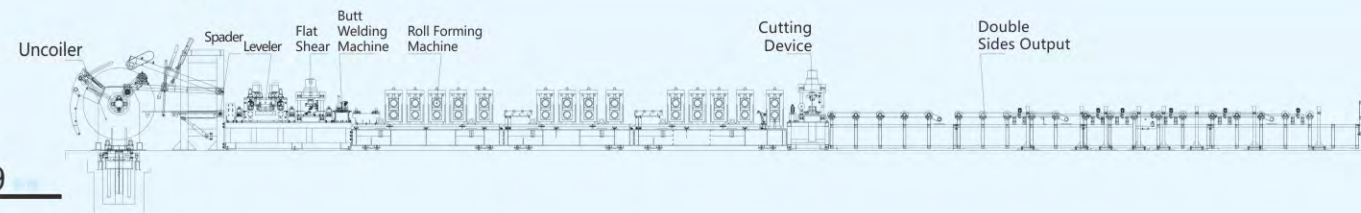
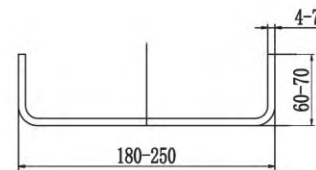
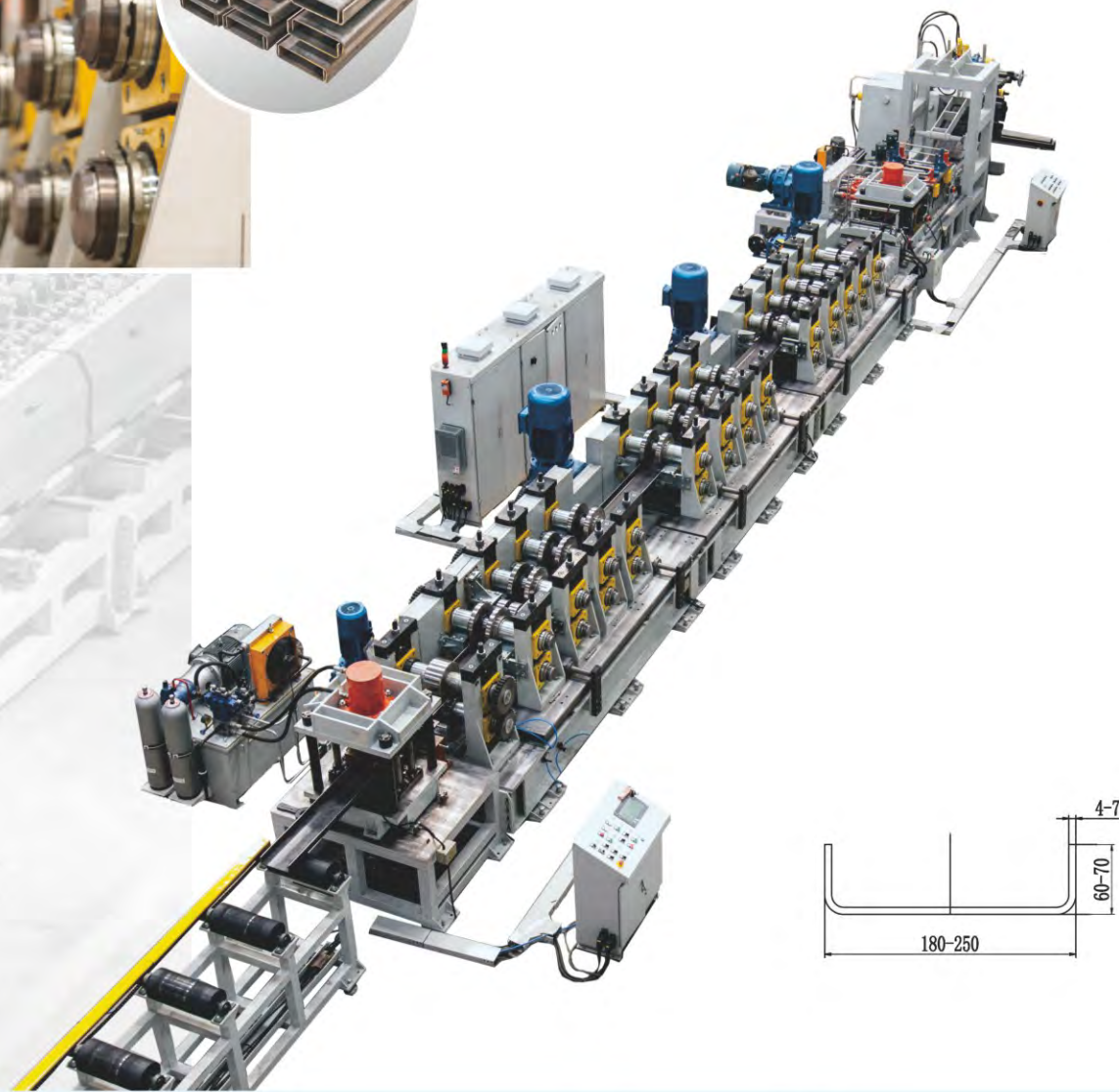
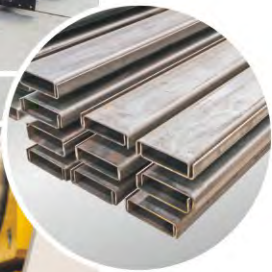
主要用途: 檩条
Usage: shape purlin

型号 Model	断面尺寸 Section size				
	h(mm)	b1(mm)	b2(mm)	t(mm)	
Z100	100	50	54	20	2.0-2.5
Z100	100	50	54	20	2.0-3.0
Z120	120	50	54	20	2.0-3.0
Z120	120	50	54	20	2.0-3.0
Z140	140	50	54	20	2.0-3.0
Z150	150	60	64	20	2.0-3.0
Z150	150	60	64	20	2.0-3.0
Z150	150	60	64	20	2.0-3.0
Z180	180	60	64	20	2.0-3.0
Z180	180	70	74	20	2.0-3.0
Z180	180	70	74	20	2.0-3.0
Z200	200	70	74	20	2.0-3.0
Z200	200	70	74	20	2.0-3.0
Z220	220	80	84	20	2.0-3.0
Z220	220	80	84	20	2.0-3.0
Z240	240	80	84	20	2.0-3.0
Z240	240	80	84	20	2.0-3.0
Z250	250	80	84	20	2.0-3.0
Z250	250	80	84	20	2.0-3.0



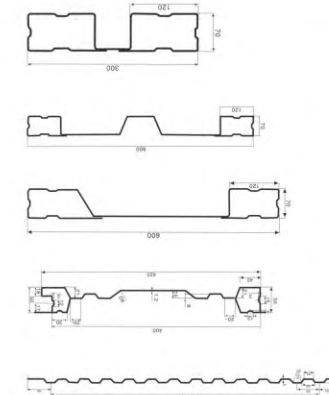
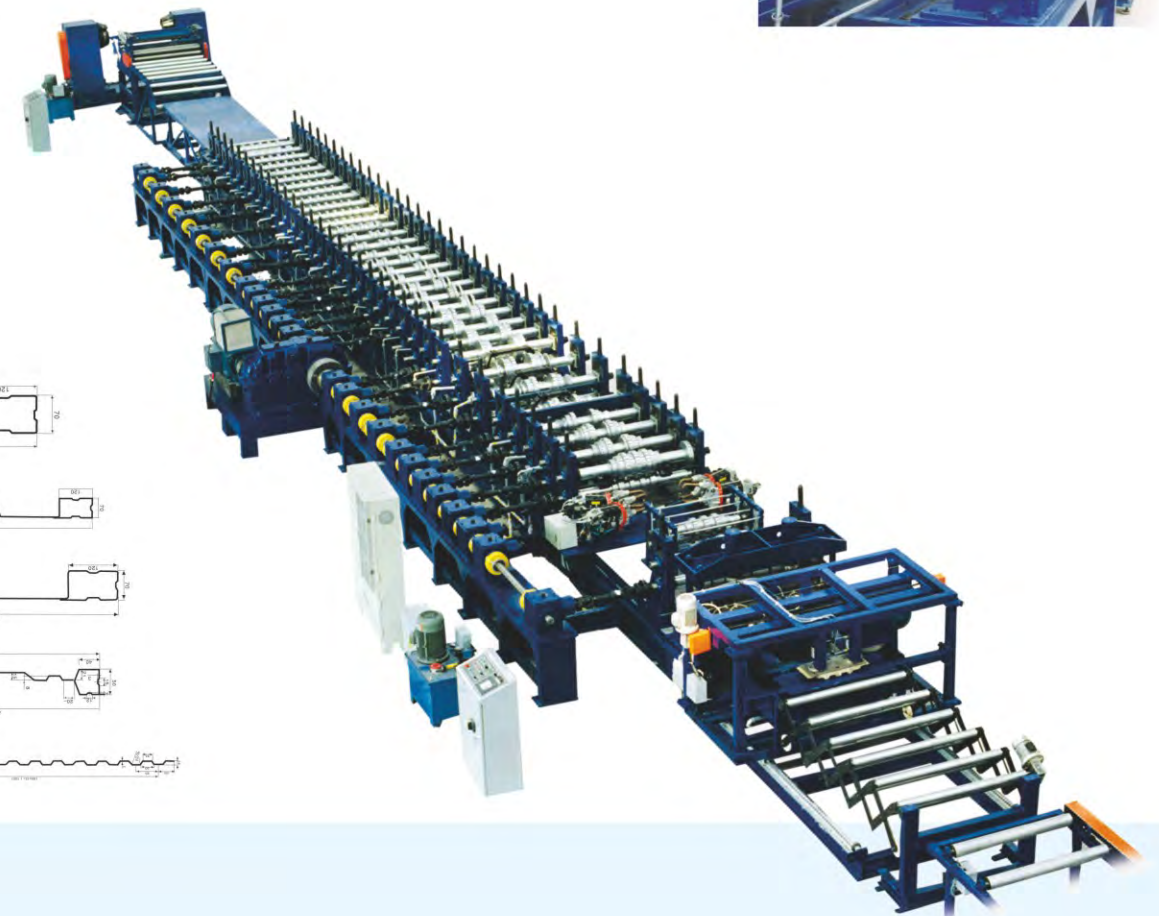
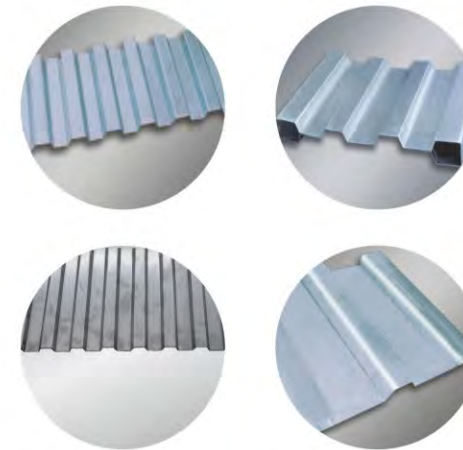
TFU400-7X Truck Beam Roll Forming Line

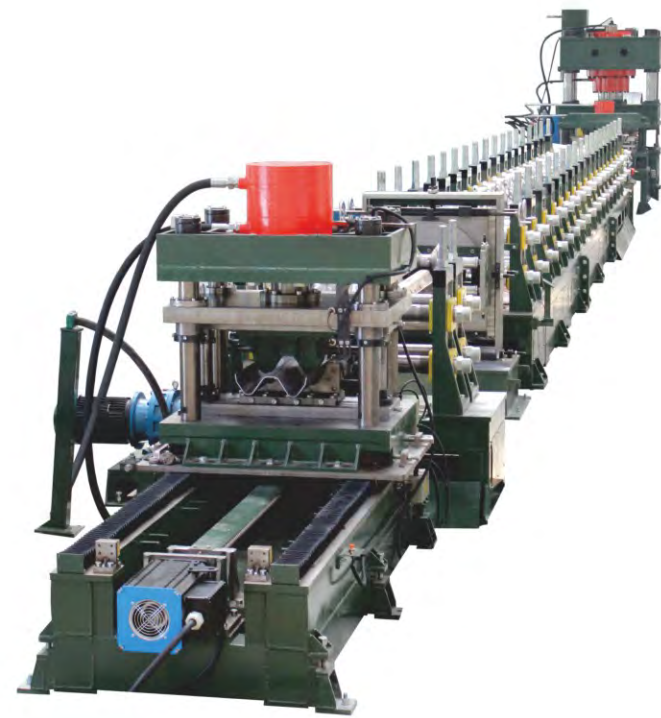
• TFU400-7X truck beam roll forming line is a high-automation production line which integrates uncoiling, spader, leveling, shear butt welding, roll forming, straightening, cutting and stacking etc. The line can produce four kinds of profiles. It can change profiles by servo motor automatically. The profiles produced by this production line have good mechanical properties, such as compression and bending resistance. The product is a kind of new structural material, and can be widely used in vehicle frames and civil buildings.



TF Carriage Plate Production Line

• TF carriage plate production line, consists of loading car, un-coiler, leveler, overturn supporting rack, feeding guider, roll forming machine, tracking spot welding, final profile straightener, flying saw, telescopic rack, electric control system. Line production speed can reach 5-15m/min. It can switch product's specifications quickly. 7 different profiles can be produced in the line, which can also provide the no-stop online welding for closed profiles.

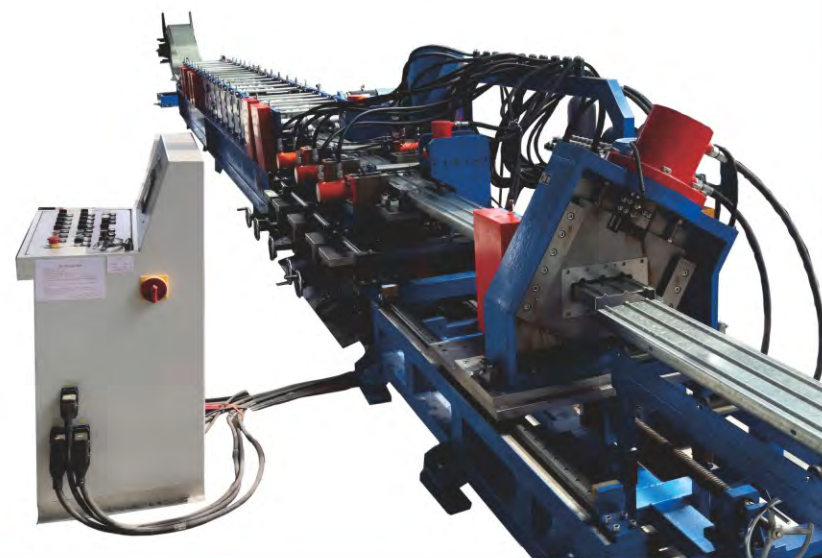
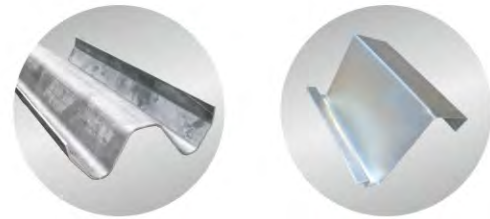




TF Highway Guardrail Roll Forming Line

TF Stereo Garage Bottom Plate Roll Forming Line

- This Line has high efficiency, formed with good consistency, precision profile, high capacity, convenient installation, effectual lapping joint.
- Application range: stereo garage bottom board rim frame and bottom board plate.
- Machine performance: full CNC automatic punching, roll forming, cutting and industrial PLC controlling.

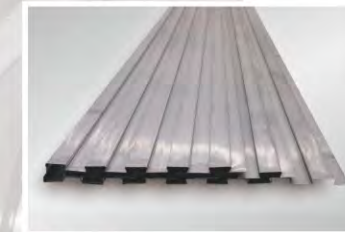
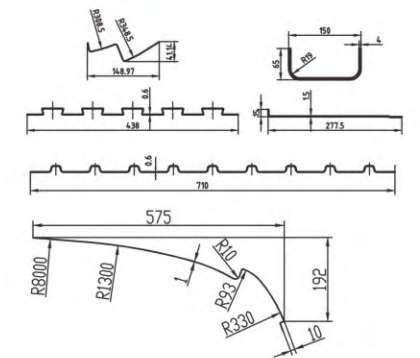


TF Locomotive Stainless Bottom Frame Roll Forming Line

- TF locomotive stainless bottom frame roll forming line consists of un-coiler, feeding guider, lubrication device, quick change cassette, cutter, hydraulic and electric control system. Because the line are equipped with quick-change cassettes, various kinds of high-precision stainless profiles can be produced. Specification of the material is SUS301-DLT/MT/HT. The whole line operation just needs one operator. Many sets of final product lengths can be set at one time, automatic producing, and remote control. Final products length: 20m with high straightness accuracy. Those products can be widely used in locomotive body of metro and light rail system.



TF Locomotive Stainless Bottom Frame Curb Girder Roll Forming Line

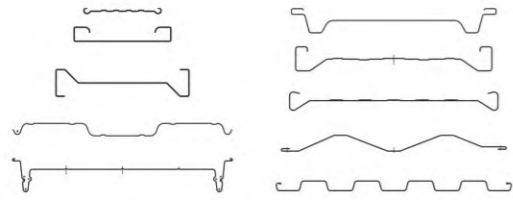


TF 1500*6 Protection Panel Roll Forming Line

- TF 1500*6 protection panel roll forming line is composed by de-coiler, leveler, cutter, roll former and stacker, which can reduce labor intensity, and can also improve production efficiency and reduce production cost.
- This line can uncoil and level 3-12mm * 2000mm steel plate and produce 6mm * 1500mm section protection panel.
- Protection panel are widely used in various kinds of pocket-type dust shell panel, wainscot and wall panel etc.



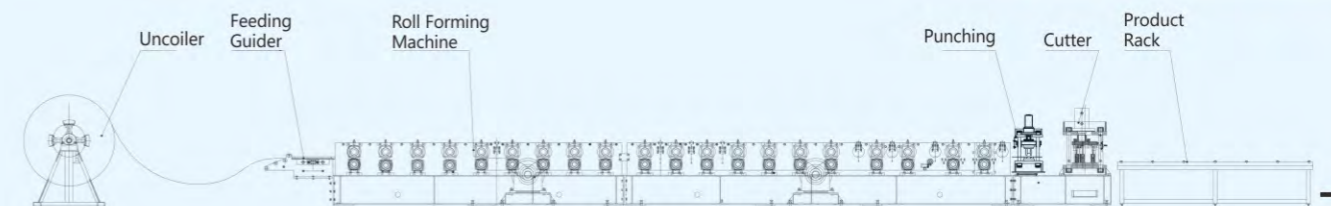
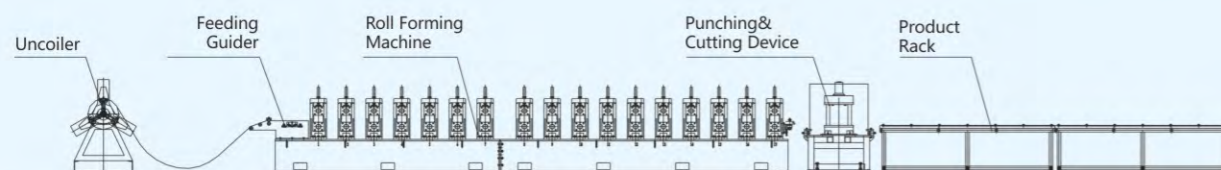
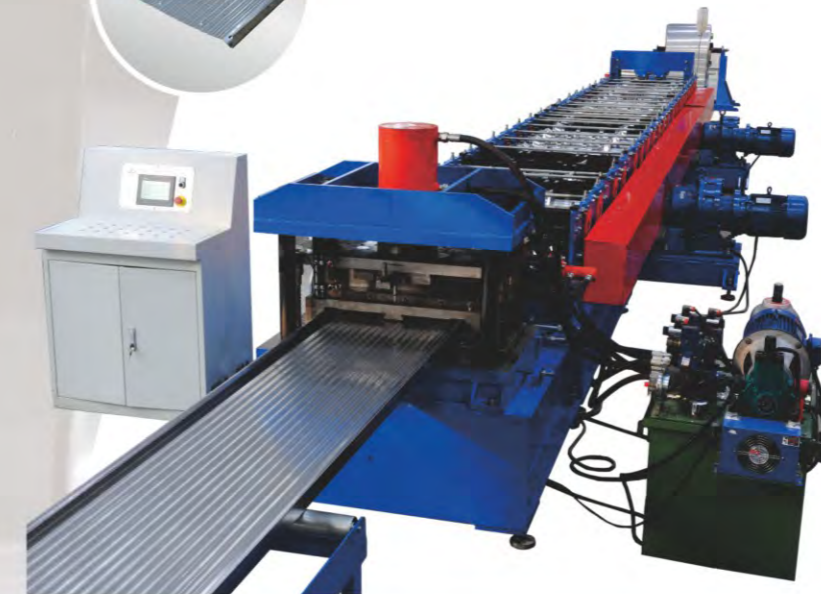
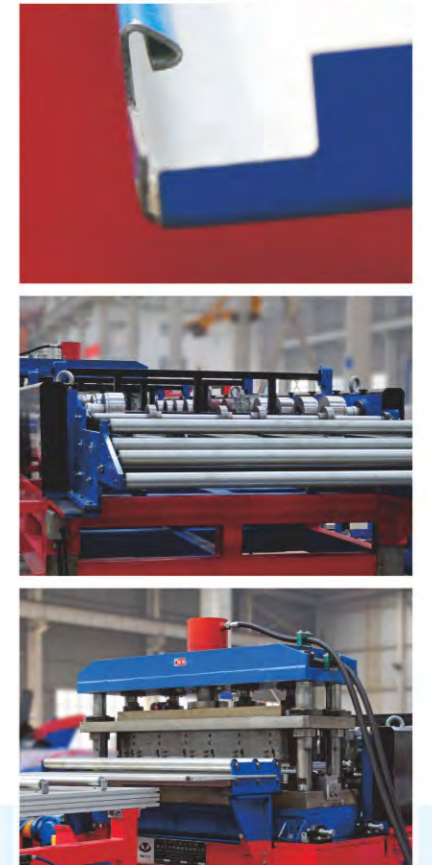
ZT24 Anode Collecting Plate Roll Forming Line



TF Box-shape Plate for Purifying Roll Forming Line

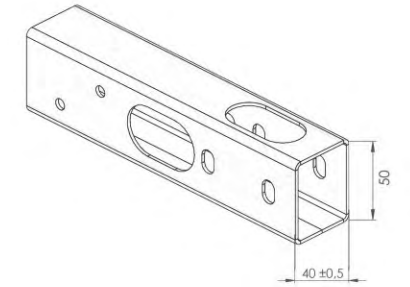
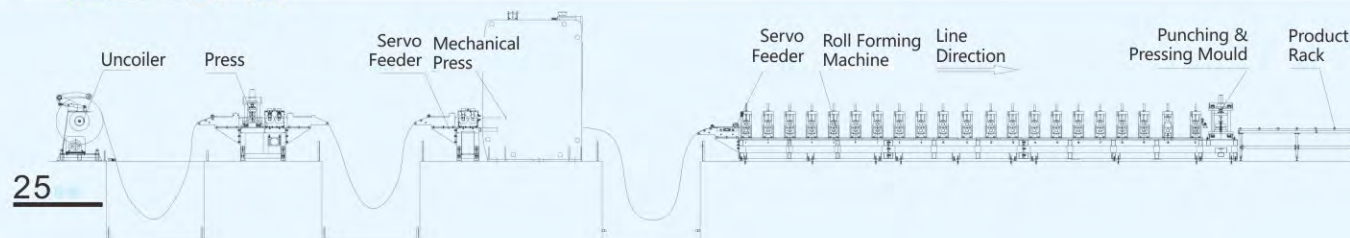
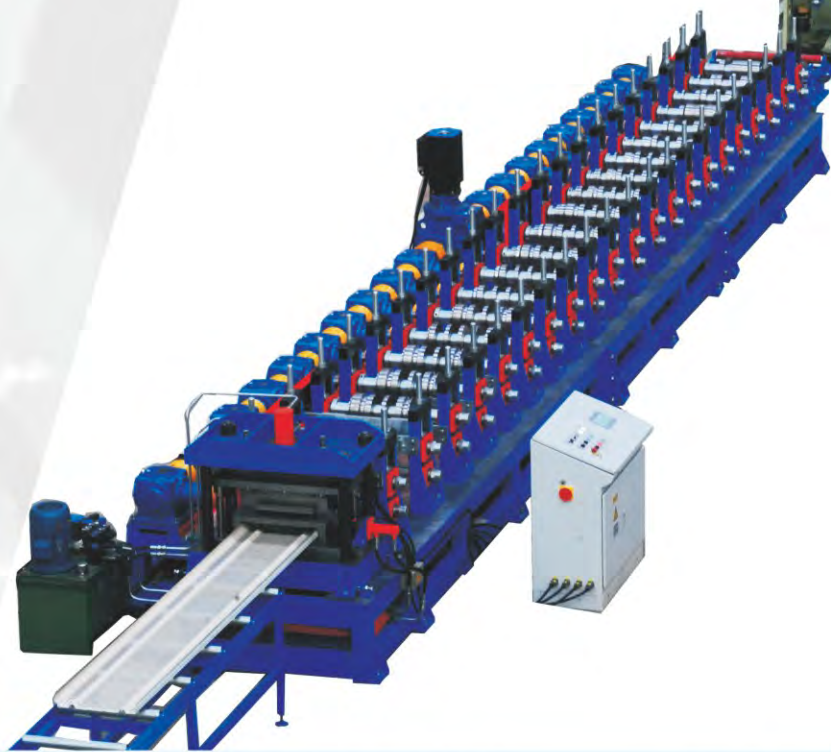
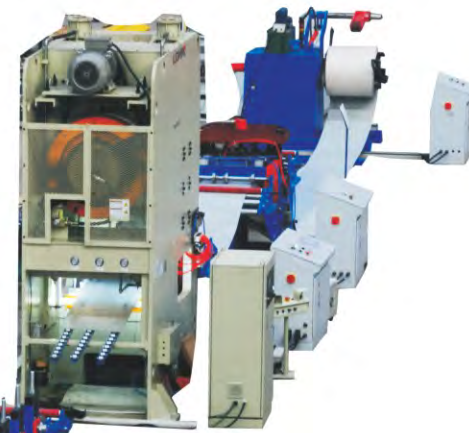
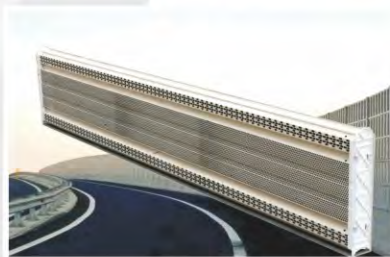
- This line has the following functions: uncoiling, filming, servo feeding, front shear, punch notching, edge roll forming, cutting flanging etc. The line is motivated by servo motor. The error range of length is less than $\pm 1\text{mm}$. the width is also adjusted by servo motor, which means it is possible to produce several types plates.

TF595 Anode Collecting Plate Roll Forming Line



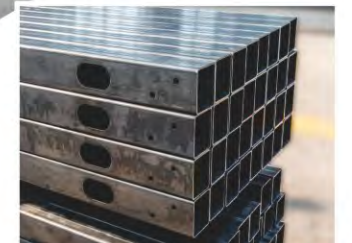
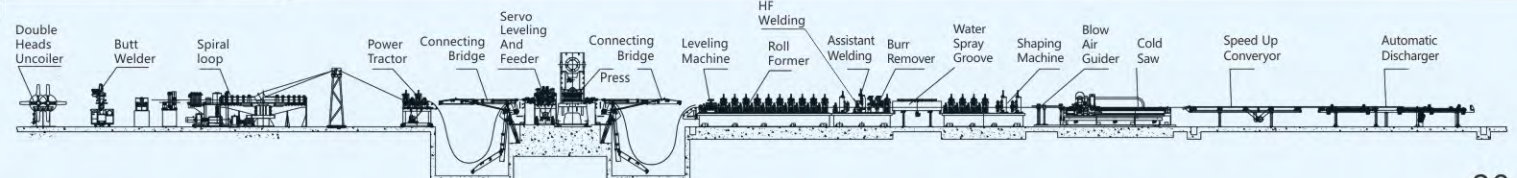
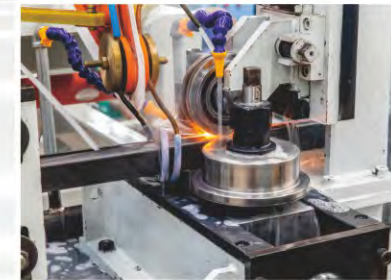
TF Noise-barrier Panel Auto-punching & Roll Forming Line

- This line can accomplish uncoiling, leveling, servo feeding, punching edge holes, servo feeding, punching middle holes, roll forming and cutting etc. Meanwhile the line adopts double sets of servo feeder puncher to achieve products' quick production and high precise punching.



TF 50-40 Welding Tube Production Line

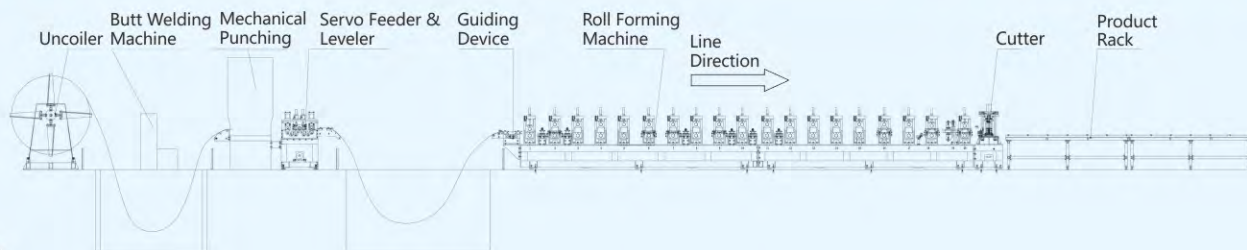
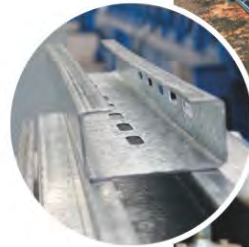
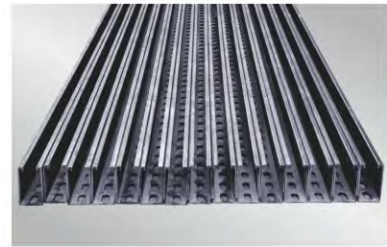
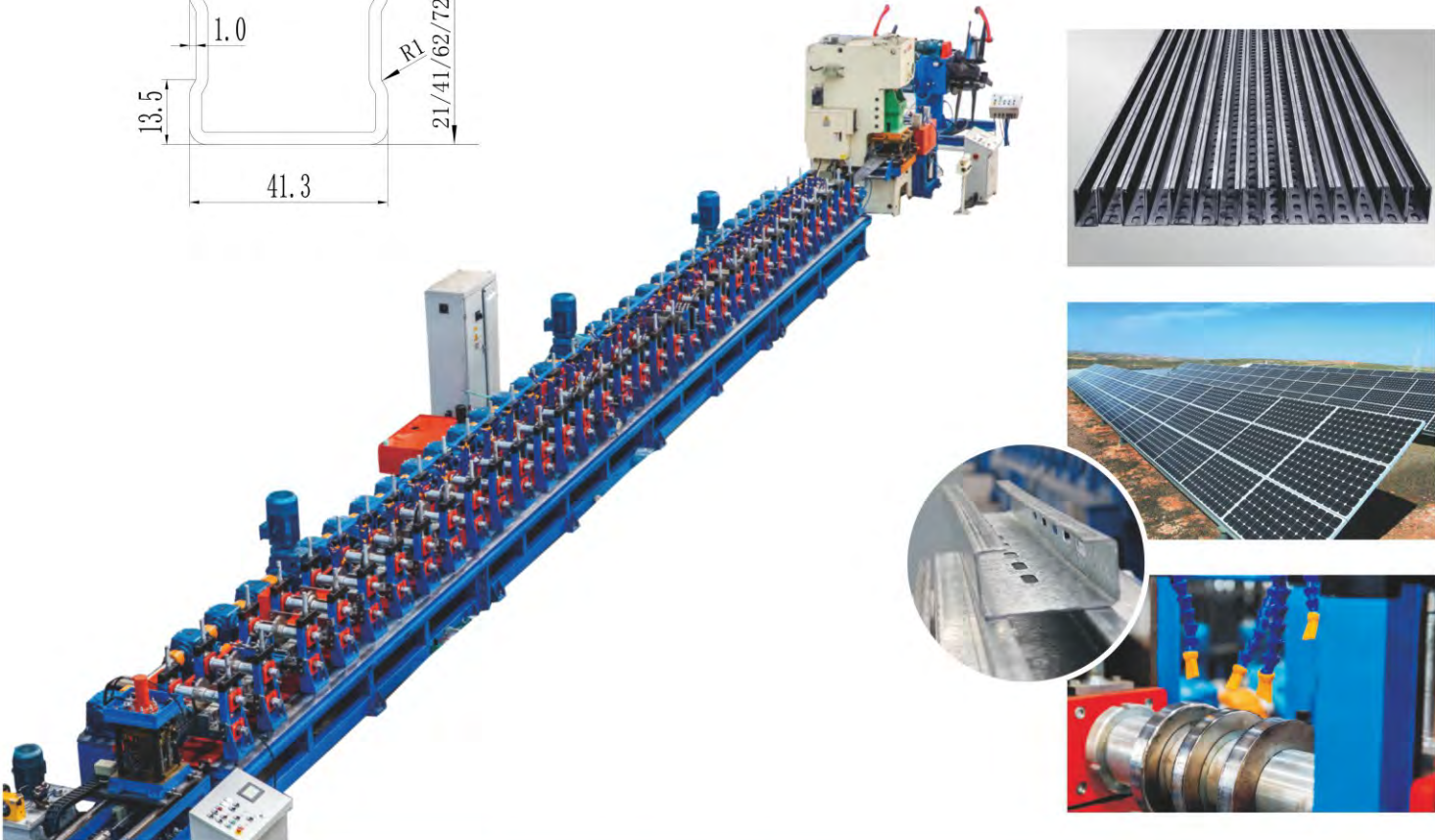
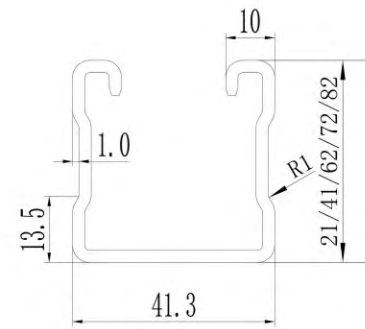
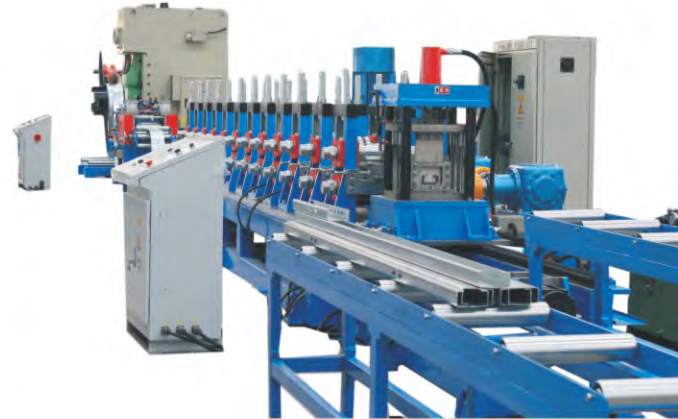
- The welding tube production line consists of un-coiler, spiral loop, automatic puncher, high- frequency welding machine and tracking flying cutter. The production speed can reach 20m/min. The products produced by this line have advantages of high-accuracy and high-speed.



TF Photovoltaic C Channel Roll Forming Line

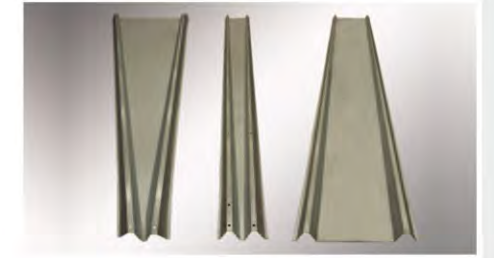
TF Strut Roll Forming Line.

• This line has automatic flow producing functions of uncoiling, butt-welding, leveling, servo feeding, punching, roll forming and track cutting etc., which can perfectly achieve the joint of punching, roll forming and cutting. One operator can run the whole line. Those products have high precision and good quality appearance. The performance is stable, and the assistance time is short. The production speed could reach 20m/min.



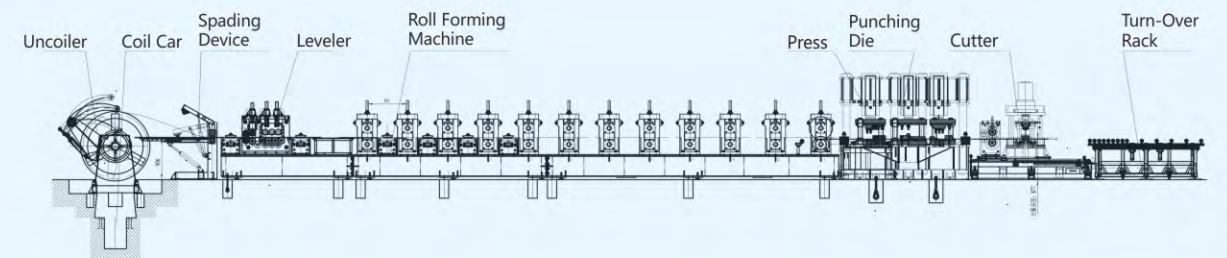
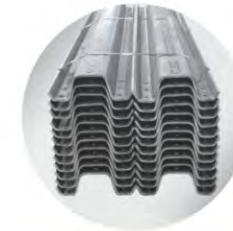
TF Silo Roof Panel Roll Forming Line

• TF silo roof panel roll forming line adopts cantilever structure, pneumatic turnover platform to produce variable cross-section.



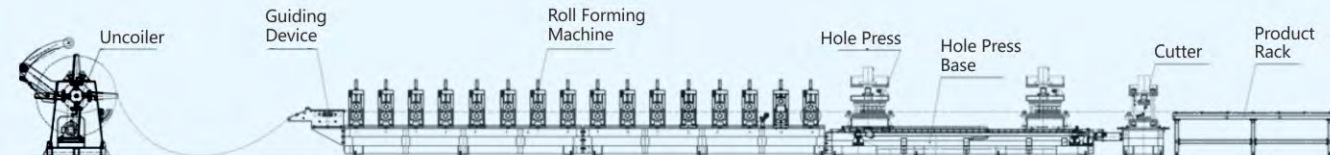
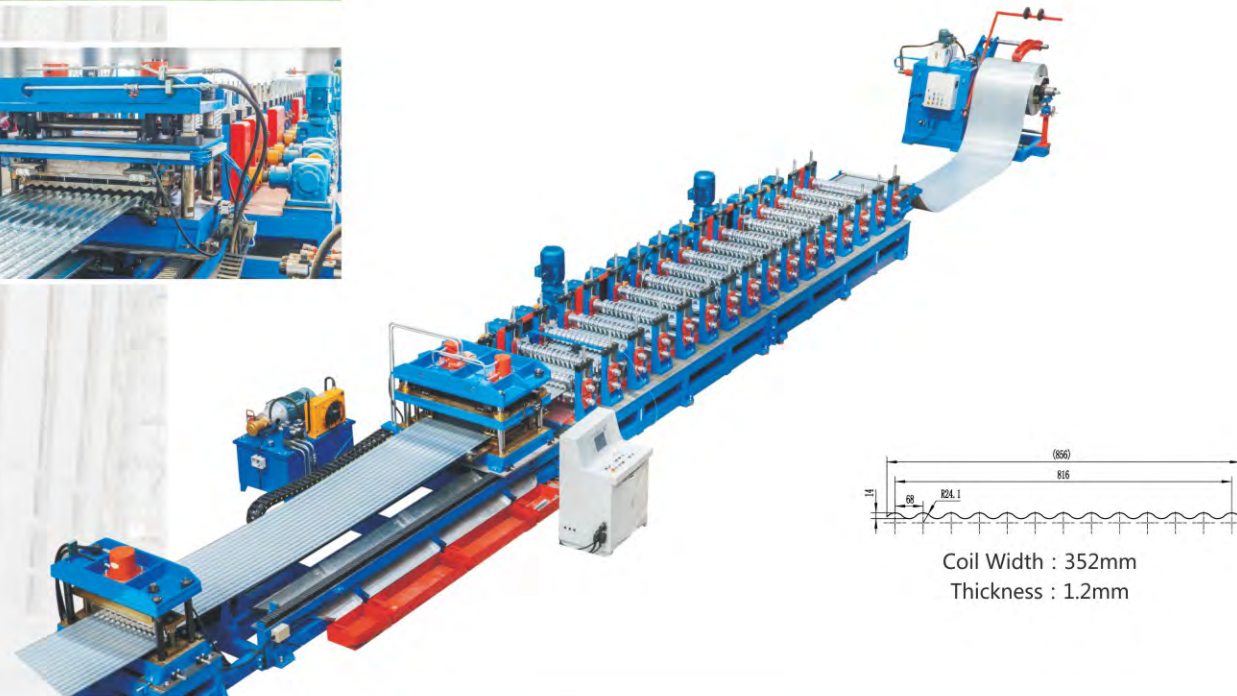
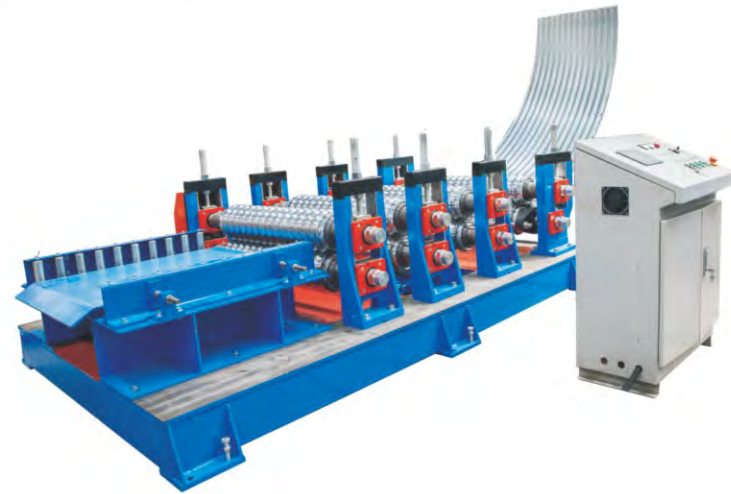
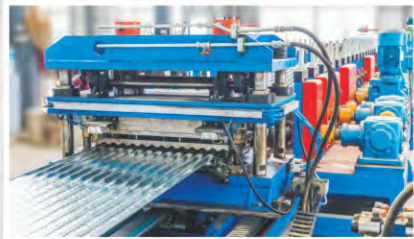
TF Silo Leg Roll Forming Line

• TF silo leg roll forming line consist of uncoiling, leveling, roll forming, punching, cutting. The line adopts integrated punching after the roll forming to guarantee punching precision and consistency.



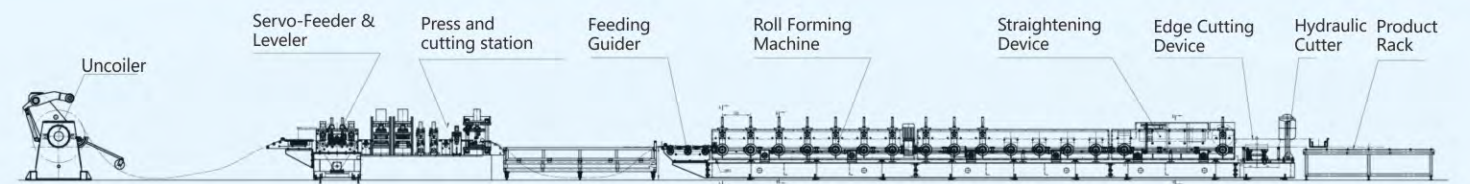
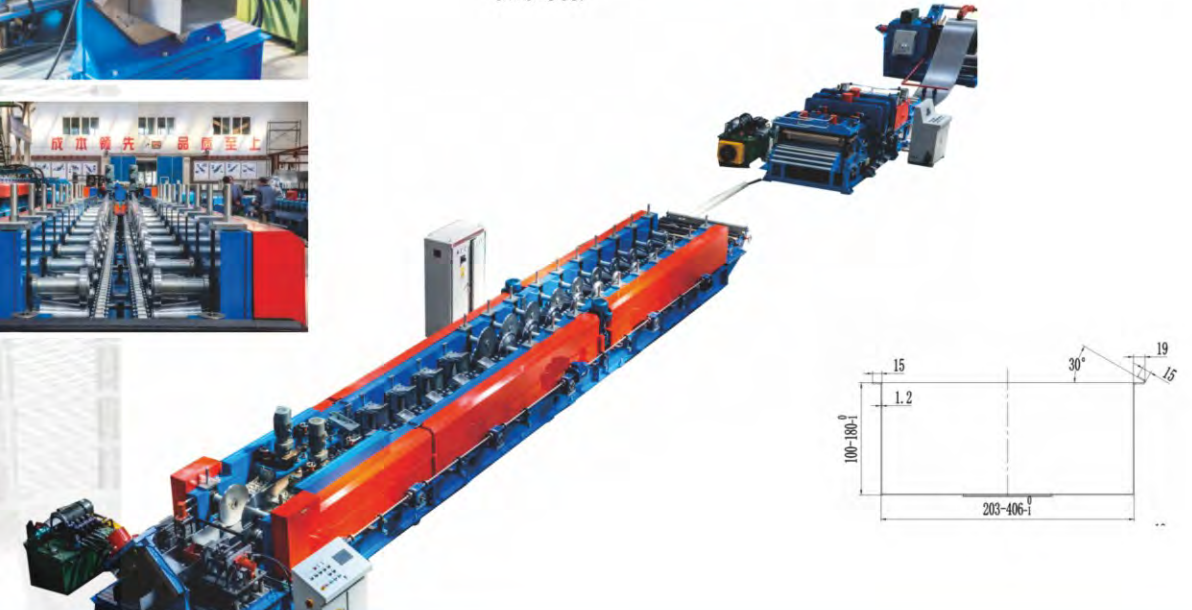
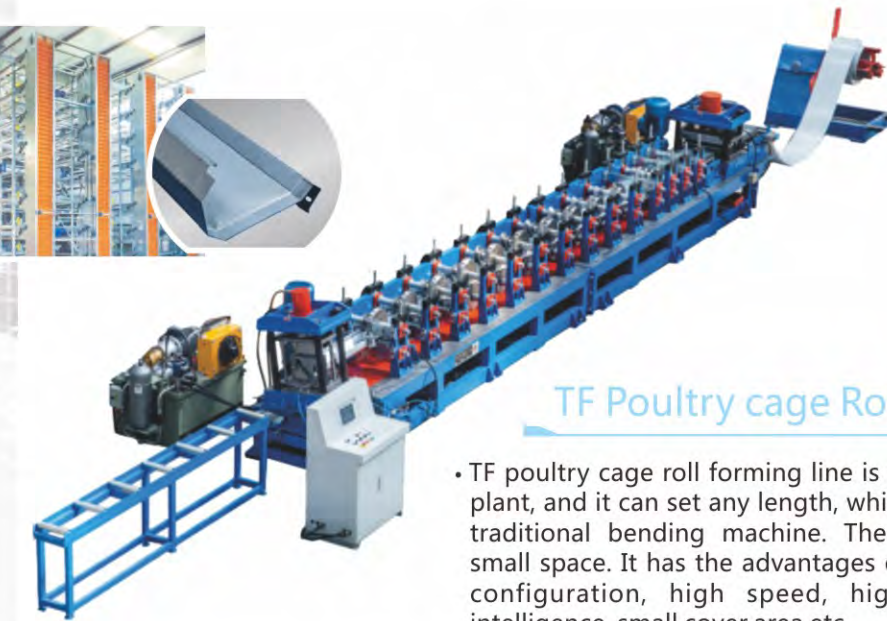
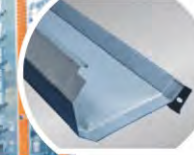
TF Silo Plate Roll Forming Line

- Each component of the production line ensures stable, reliable running, and durable, convenient operation & maintenance. Operator can adjust the arc radius by using Human-computer interface. The flexibility of equipment is very high, so the operator could set the parameters to control punching positions quantities, work piece length, and arc radius. The Produced profiles have high precision. Corrugation size and curving radius arc with high accuracy uniformity, fully meet the multi-point connection assembly requirement.



TF Poultry cage Roll Forming Line

- TF poultry cage roll forming line is used for large feeding plant, and it can set any length, which is much better than traditional bending machine. The whole line allocates small space. It has the advantages of high precision, high configuration, high speed, high integration, high intelligence, small cover area etc.



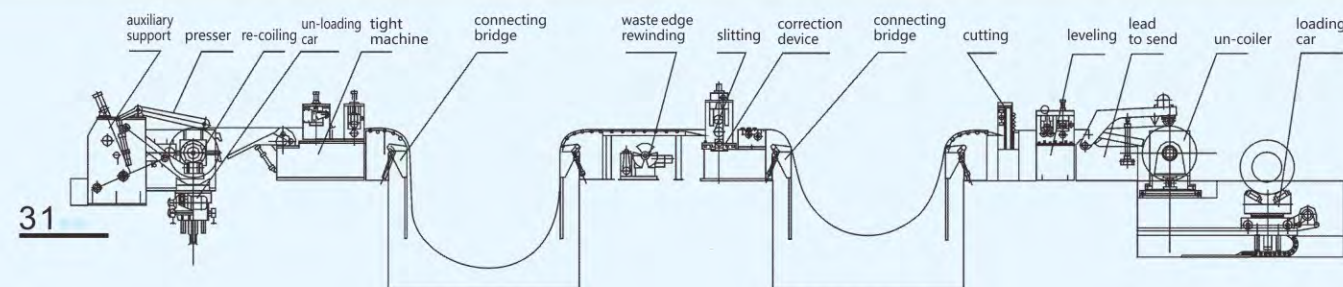


Uncoiling-slitting-recoiling Production Line

- This line is used to slit the coil to required width coils through uncoiling, slitting, recoiling. This line is suited to processing machining cold & hot carbon steel, silicon steel, tin, stainless steel and various coated & plated metal coil.
- The line mainly consists of loading car, uncoiler, leveler, slitter, waste edge recoiler, tension machine recoiler and discharging device etc.
- The whole line adopts PLC center control system, CNC tests length human-machine interface display, with high automatic degree and operated reliably & conveniently.

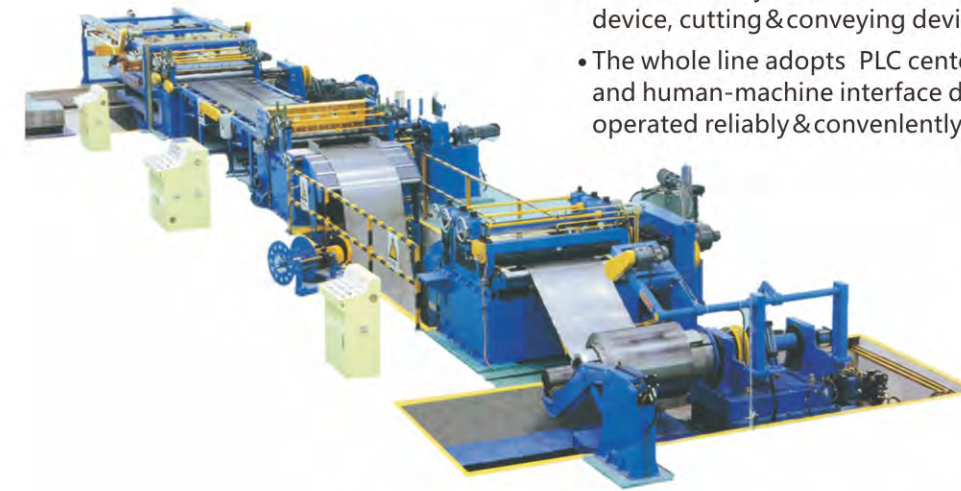


Item Model	Coil Thickness (mm)	Coil Width (mm)	Number of slitting (mm)	Width Accuracy (mm/m ²)	Slitting Speed (m/min)	Coil Weight (Ton)	Remark
TFS-0.5×1300	0.15-0.5	500-1300	20	±0.05	50-120	6	The technique parameters and equipment configurations should be confirmed by requirements of customers.
TFS-1.5×1300	0.25-1.5	500-1300	30-80	±0.05	50-120	6/15	
TFS-2×300	0.25-2	100-300	20-6	±0.05	50-120	2	
TFS-2×450	0.25-2	100-450	30-6	±0.05	50-120	3	
TFS-2×650	0.25-2	100-650	30-6	±0.05	50-120	5	
TFS-2×1300	0.25-2	500-1300	30-12	±0.05	50-160	6/15	
TFS-2×1600	0.25-2	500-1600	30-12	±0.05	50-160	6/15	
TFS-3×1600	0.35-2	500-1600	30-8	±0.1	50-120	6/15	
TFS-4×1600	0.5-4	900-1600	30-6	±0.1	30-80	20	
TFS-6×1600	0.6-6	900-1600	20-6	±0.15	30-60	30	
TFS-8×2000	2-8	900-2000	10-3	±0.2	20-40	30	
TFS-14×2000	4-14	900-2000	4-2	±0.5	8-20	30	



Uncoiling-leveling-cutting to length-stacking Production Line

- This line is used for cutting the coil to flat required length sheet and stack through uncoiling, leveling, cutting to length. This line is suited to processing machining cold & hot carbon steel, silicon steel, tin, stainless steel and various coated & plated metal coil.
- The line mainly consists of loading car, uncoiler, leveler, feeding device, cutting & conveying device, stacker etc.
- The whole line adopts PLC center control system, CNC testing length, and human-machine interface display, with high automatic level and operated reliably & conveniently.



Item Model	Coil Thickness (mm)	Coil Width (mm)	Length Accuracy (mm)	Leveling Accuracy (mm/m ²)	Feeding Speed (m/min)	Coil Weight (Ton)	Remark
TFC-0.5×1300	0.15-0.5	500-1300	±0.3	1-2	30-60	6/15	The uncoiling speed should be applied to uncoil the 2000mm-length sheets. The technique parameters and equipment configurations should be confirmed by requirements of customers.
TFC-1.5×1300	0.35-1.5	500-1300	±0.3	1-2	30-60	6/15	
TFC-2×600	0.35-2	150-650	±0.3	1-2	30-60	5	
TFC-2×1300	0.35-2	500-1300	±0.3	1-2	30-60	6/15	
TFC-2×1600	0.35-2	500-1600	±0.3	1-2	30-20	15	
TFC-2×1850	0.50-2	900-1850	±0.5	1-2	25-50	20	
TFC-2×1600	0.50-3	500-1600	±0.5	1-2	25-50	15	
TFC-3×1850	0.50-3	900-1850	±0.5	1-2	25-50	20	
TFC-6×2000	1-6	900-2000	±0.1	2-3	10-30	20	
TFC-8×2000	2-8	900-2000	±0.1	2-3	10-25	20	
TFC-12×2000	3-12	900-2000	±1.5	2-4	10-25	20	
TFC-16×2000	4-16	900-2000	±2	2-4	6-20	30	
TFC-20×2000	6-20	900-2000	±2	2-4	6-16	30	

