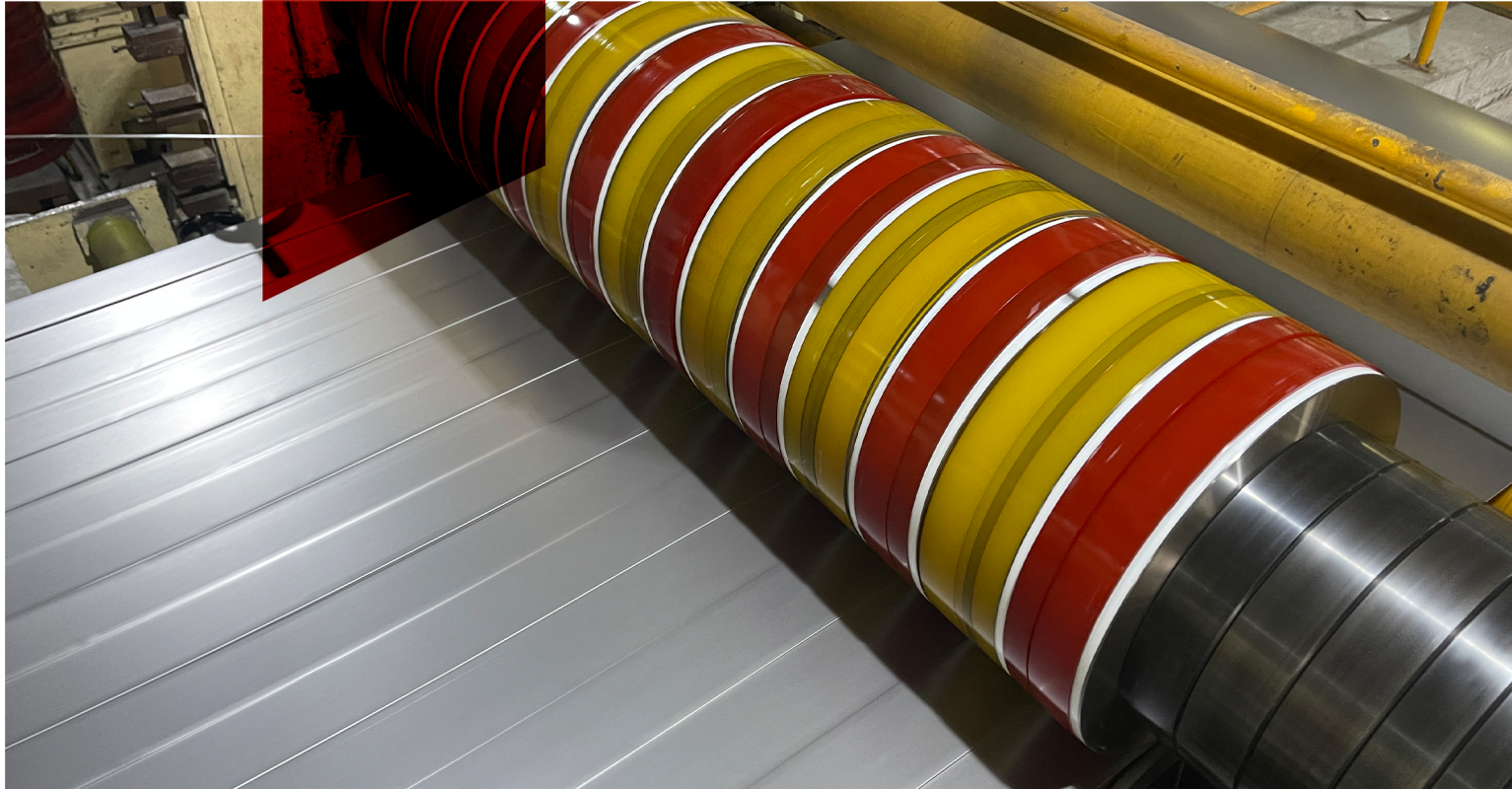


The image shows a large industrial machine, likely a roll forming and steel sheet cutting line. It features a long, horizontal structure with multiple rollers and guides. A large motor is visible on the left side. The machine is painted in a light gray color with red accents. A stack of finished steel sheets is visible on the right side. The text "LOTOS" is overlaid in a large, red, stylized font.

LOTOS

Manufacturer and supplier of the
most advanced roll forming and
steel sheet cutting lines



LOTOS

LOTOS

LOTOS Was Founded in 2006 And Began its Operations With A Dedicated Focus On Designing And Manufacturing Advanced Roll Forming Lines, Steel Coil Slitting Lines, And Tube Mill Production Lines. LOTOS Is A Fully Integrated Manufacturer, Handling Every Stage Of Engineering And Production In-House. From Design And Fabrication To Machining, Assembly, Quality Control, And Final Commissioning. This Vertical Integration Ensures World-Class Quality, Exceptional Precision, And Long-Term Industrial Durability. Driven By Technical Expertise, Modern Technologies, And A Highly Skilled Engineering team, LOTOS Has Grown Into A Reputable International Brand, Serving Customers In More Than 30 Countries And Becoming A Trusted Partner In Productivity Improvement, Capacity Expansion, And Industrial Development Worldwide.

A Technical View at Lotos Products



Standard.Speed CZU Roll Forming Line Designed For Reliable And Accurate Production Of Solar Panel Structures.



High.Speed Automatic C/U Roll Forming Line For Mass Production Of Solar Panel Structures With High Precision And Efficiency.



Direct Forming Line For Manufacturing Heavy-Duty Box Sections In Various Sizes And Thicknesses. With High Precision And Strength.



Cut-To.Length Line Delivering Precise Transverse Cuts For Converting Coils Into Uniform Sheets With Custom Lengths.



Slitting Line Designed For High-Speed And Precise Cutting Into Custom.Width Strips For Industrial Use.



The API Pipe Production Line Utilizes Advanced Forming Technology To Continuously Produce High-Quality Steel Pipes That Meet International Standards For Oil And Gas Transmission.



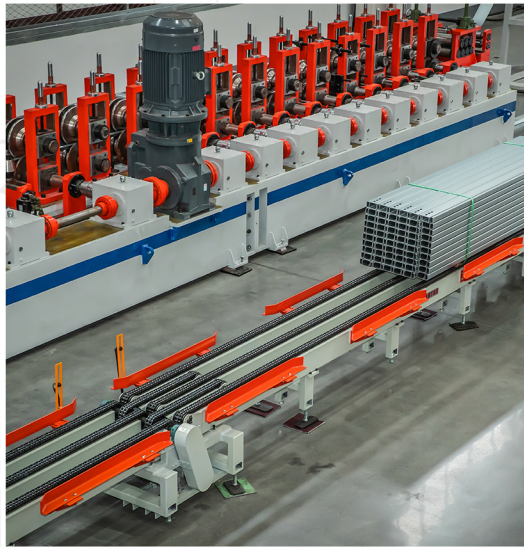
Continuous Tube Forming Line With Roll Forming Resistance Welding. Manual Die Change And Precise Quality Control.



Modern Roll Forming Technology With Fast And Automatic Roll Adjustment Enables Continuous Production Of Multiple Profile Sizes Without Stopping The Line.

HIGHLIGHTS FROM LOTOS'S PATH TO SUCCESS

High Speed (30m/min) 4mm CU Solar Production Line (Turkey)



Automatic FFX 406x12mm Tube Mill Forming Lines (Middle East)



High Speed 0.4-4.0mm (200m/min) Slitting Line (KSA)



Multi size 5mm C/Z/U Purlin Line (USA)

The Projects Featured In This Section Reflect Only A Part Of Lotos's Technical And Engineering Capacity In Designing And Implementing Advanced Production Lines. Each Example Demonstrates Our Ability To Deliver Reliable. Customized. And Industry-Specific Solutions - A Path We Continue To Expand Through Precision. Quality. And Continuous Innovation.



High Speed (30m/min) CU Solar Production Line

Modular Hydraulic Punching System

Number of Stations	8.Station
Diematerial	CR12MOV
Structure	Independent Punching Station

- The Configuration Of Punching Stations Is Fully Customizable And Will Be Designed According To Your Specific Requirements.



Roll Forming System

Dimension Range	Web: 60.180mm
Thickness Range	2.0.4.0mm
Production Speed	30m/min

- The Forming Unit Offers Customizable Size Adjustment. Precise And Uniform Forming Ensuring High.Speed Production.



Cutting System

Cutting Type	Servo Cutting
Servo Motor Power	7/5KW
Cutting Die Material	CR12MOV

- Servo.Tracked Cutting With Adjustable Dies Ensures High.Speed. Precise.And Continuous Production.



Packaging System

Supported Length Range	2500-7000 mm
Thickness Range	Magnetic Rotation180°
Main Frame Travel	T.Rail Mounted. Servo Driven

- Fully automatic packaging for 2500-7000m profiles with smart stacking and precision sensors.





CZU Purlin Automatic Roll Forming Machine

Modular Hydraulic Punching System

Number of Stations	5.Station Punching
Hydraulic Motor Power	22KW
Punching Table Length	6 Meterz

— The Configuration Of Punching Stations Is Fully Customizable And Will Be Designed According To Your Specific Requirements.



Roll Forming System

Dimension Range	Web: 60-200mm
Thickness Range	2.0-4.0mm
Production Speed	15 m/min

— The Forming Unit Offers Customizable Size Adjustment, Precise And Uniform Forming Ensuring High.Speed Production.

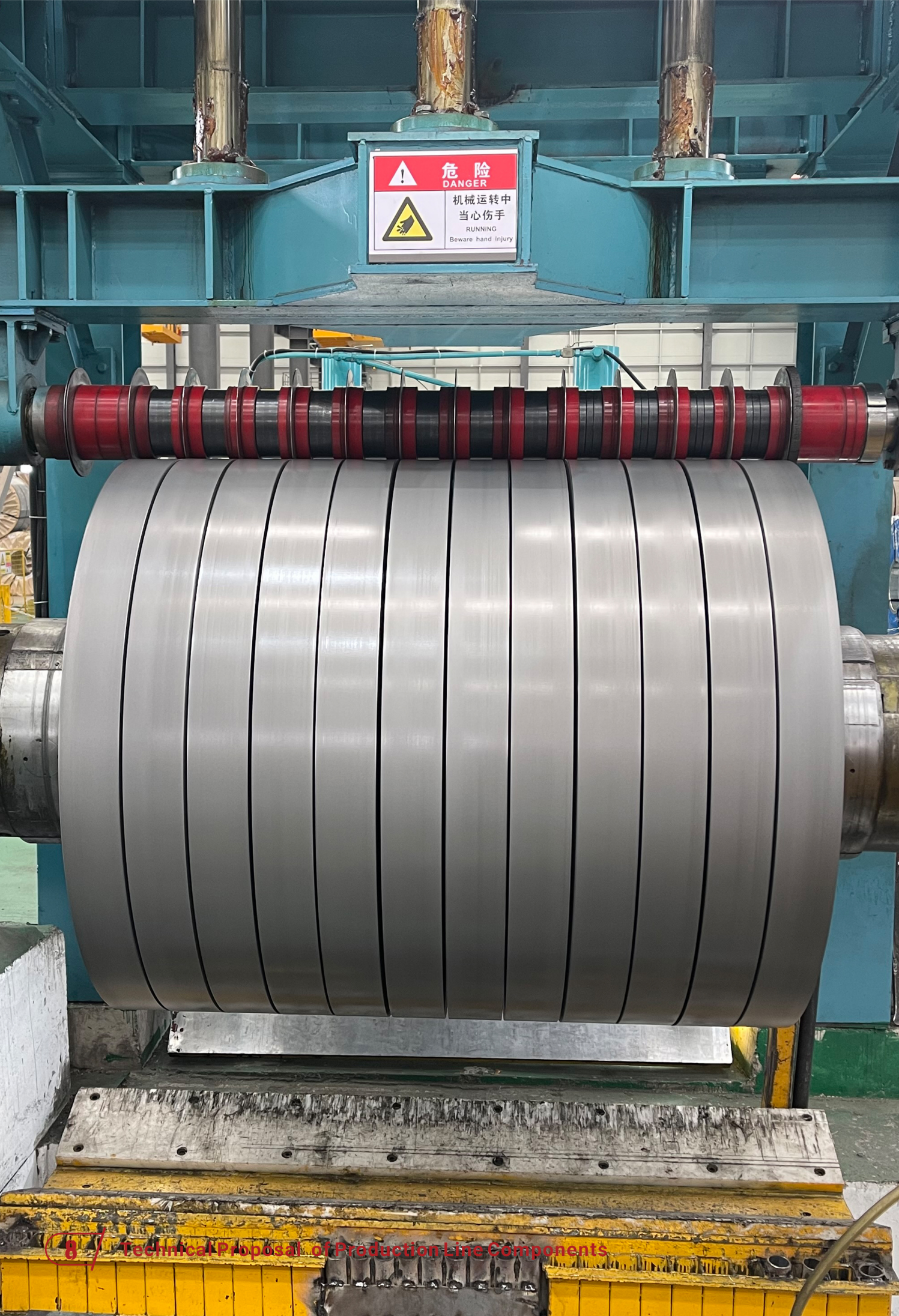


Cutting System

Cutting Type	Servo Cutting
Hydraulic Motor Power	11 kw
Cutting Die Material	CR12Mov

— Servo.Tracked Cutting With Adjustable Dies Ensures High.Speed. Precise. And Continuous Production.





Coil Slitting Lines (Longitudinal Cutting Systems)

Hydraulic Decoiler System

Steel width	1650mm
Steel thickness	2.0-8.0mm
Steel coil weight	30T(Max)

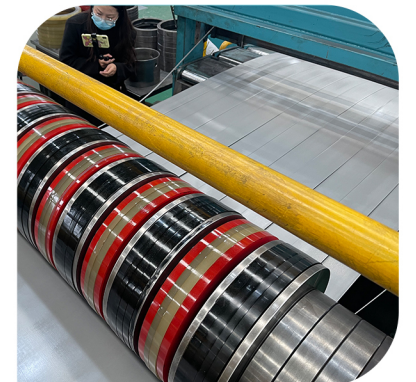
- Hydraulic Decoiler Equipped With A Coil . Holding Trolley And A Manual Adjustment Handle For Ease Of Operation.



Slitting Host

Cutting speed	100M/Min(Max)
Bladematerial	H13 tool steel Hardness (HRC 58.60)
Motor Power	132 KW

- The Slitter Section Has Two Scrap Winders On Both Sides That Collect Excess Strips and Edge Scraps Precisely.



Hydraulic Recoiler System

Coiling width	20~1650 mm
Hydraulic Motor Power	160 KW
Recoiler Capacity	30T

- Servo-Tracked Cutting With Adjustable Dies Ensures High.Speed. Precise. And Continuous Production.



The Technical Specifications Presented On This Page are Provided Solely as an example of one of the slitting lines by Lotos Sanat Asia. Lotos Brand Slitting Lines Are Designed and manufactured in three categories–light-duty, medium-duty, and heavy-duty–each consisting of multiple workstations and engineered to perform high-precision cutting operations based on the type and thickness of the sheet.



Cut-to-Length Lines

Hydraulic Decoiler System

Steel width	1650mm
Steel thickness	4.0-20mm
Motor Power	5.5 KW

Hydraulic Decoiler Equipped With A Coil Holding Trolley And A Manual Adjustment Handle For Ease Of Operation.



Leveling System

Number of rollers	11 rollers
Motor Power	5.5 KW
Steel width	1650MM

The Sheet is Flattened by the Rollers, Which Eliminate Surface Waves and Prepare it for Precise Cutting.



Sheet Cutting System

Bladematerial	H13
Cutting speed	10 sheets. 2 m /min
Bladewidth	2000 mm

Cuts the Sheet to Specified Lengths Based on its Width. Producing Ready-to-Use metal Sheets.



The technical specifications presented here are samples of one of Lotos Sanat Asia's sheet cutting lines. Lotos cutting lines are designed in three categories: light, medium, and heavy duty, each featuring multiple workstations to perform precise, high-quality cutting based on sheet type and thickness. These lines can be integrated with slitter systems to enhance flexibility and cutting accuracy.



Direct Forming Lines

Forming & Sizing

Square Size	100×100 - 400×400
Rectangular Size	100×125 - 250×300
Material thickness	4.15mm

At this stage, the sheet is directly formed into square and rectangular profiles without first forming a round tube.



Welding

Welding power	1000KW
Type Welding	High-Frequency Welding (IGBT)
Cooling System	Cooling Water(≤ 30°C)

After forming, seams are welded and the profile enters the cooling system to stabilize its properties.



Cutting System

Cutting Type	Servo Cutting
Blade Material	TCT
Motoe Power	150 KW

Servo-Tracked Cutting With Adjustable Dies Ensures High.Speed. Precise. And Continuous Production.



This heavy-duty forming line is designed for thick sheets and enables the direct conversion of sheet metal into square and rectangular profiles without the intermediate step of forming round tubes. This system improves production accuracy, speed, and quality by forming thick sheets directly into square and rectangular profiles.



Automatic FFX Tube Mill Forming Lines

Forming & Sizing

Tube Dimensions	Φ160 Min	Φ 406 Max
Box Dimensions	130_130 Min	300_300 Max
Material thickness	3.10 mm	

— Tube and Box Forming Stage with Automatic Size Change



Welding system

Welding power	1000KW
Type Welding	High.Frequency Welding (IGBT)
Cooling System	Cooling Water (-30°C)

— After forming, seams are welded and the profile enters the cooling system to stabilize its properties.



Cutting System

Cutting Type	Servo Cutting
Blade Material	TCT
Cutting Speed	30 M / MIN

— Servo- Tracked Cutting With Adjustable Dies Ensures High.Speed, Precise, And Continuous Production.



The fully automatic tube and profile roll forming line, following multiple precise stages and industrial standards, first forms the sheet into tubes and then converts them into rectangular and square profiles with high accuracy. This process ensures the quality, strength, and uniformity of the final product.



Tube Mill Forming Lines

Roll Forming System

Dimensions	Φ63 Min Φ165 Max
Production speed	10.50.M / min
Material thickness	2.6 mm

- The main profile forming takes place at this stage.



Welding system

Welding power	500 KW
Type Welding	High.Frequency Welding(IGBT)
Cooling System	Cooling Water(≤ 30°C)

- After forming, seams are welded and the profile enters the cooling system to stabilize its properties.



Cutting System

Cutting Type	Servo Cutting
Blade Material	HSS.TCT
Cutting Speed	50 M/min

- Servo.Tracked Cutting With Adjustable Dies Ensures High.Speed. Precise. And Continuous Production.



The tube and profile roll forming line is one of the advanced production lines of Lotus Company. manufactured in various sizes and thicknesses. Sheets are formed through engineered stages and in compliance with industrial standards to deliver a high-quality final product.



API Tube Mill Forming Lines

API Roll Forming Lines Produce Pipes Used In The Most Critical Oil, Gas, And Industrial Fluid Transmission Projects. Therefore, Quality Control In These Lines Is Of Utmost Importance.

LOTOS Has Thoroughly Analyzed These Production Systems And Identified Several Key Quality Tests – Including Hydrostatic Testing, Annealing Testing, And End Facing & Beveling – Which Will Be Discussed In More Detail Below.

Annealing Machine

The annealing system uniformly heats the weld zone to rebuild the pipe's structure, relieve welding stresses, and enhance flexibility and fracture resistance.



End Facing & Beveling

It smooths and levels both ends of the pipe. This process prepares the edges for more accurate testing, welding, or connections, and eliminates any irregularities or uneven surfaces.



Hydrostatic Test

In this test, the pipe is filled with pressurized water to evaluate its resistance to internal pressure. It is essential for verifying the absence of leaks or cracks in the body or weld seam.



Our Commitment After Delivery

- ▶ 12-Month Quality Warranty Starting From The Loading Date By The Seller. During This Period. Defective Parts Will Be Repaired Or Replaced Free Of Charge.
- ▶ The Machine Is Covered By A 5-Year Warranty. Which Includes All Mechanical And Electrical Components. Provided That Failures Are Not Caused By Operator Error Or Power Fluctuations. After The Warranty Period. Only The Production Cost Of Spare Parts Will Be Charged.
- ▶ Lifetime Technical Support And Maintenance Consultation Are Provided Free Of Charge.
- ▶ We Provide The Layout Drawing. Operation Manual. Parts List. And All Other Necessary Technical Documentation With The Machine.
- ▶ The Machine's Safety Is Reliable And Ensured.
- ▶ Specialized Consulting Is Available For The Design And Commissioning Of Production Lines.
- ▶ Our Engineers Will Be Responsible For The Installation And Complete Training Of The Machine. And Prior To Delivery. The Machine Will Be Tested And Commissioned In The Presence Of The Customer's Representative.



LOTOS

Contact Information



0086-18914131008



Wxlotos@gmail.com



Www.lotosforming.com



Lotos_forming



NO 58-203, SHENGANGDUHUI PLAZA
XINWU DIS WUXI CHINA