



**ULAS STAINLESS  
STEEL SERVICE  
CENTER**

# **ULAS STAINLESS STEEL SERVICE CENTER PRODUCT CATALOG 2022**

**ANKARA, TURKEY**





## Cut to Length Line

Our cut to length line consists of the following units, whose general characteristics and capacity parameters are given

- The uncoiling unit can open up to 25 tons of coils
- Servo pit pulling system determines the sheet length to be cut from the roll with tolerances below 1% and sends it to the guillotine shears
  - It is a 6-high roller system and can be flatted-straightened without damaging to BA, painted coated surfaces.
- Pneumatic guillotine shears cut stainless steel up to 3mm
  - The stacking device stacks the cut sheets on the pallet, ensuring that the long and short sides are neatly packed.
- The straightening unit has the ability to straighten stainless steel sheet up to 1600 mm wideness and 3 mm thickness by uncoiled from the coil.
- It has an electronic control mechanism to correct the thickness changes in the width of the rolled sheet.





## Grinding Line

Our grinding, brushing, edge banding line consists of the following units, whose general characteristics and capacity parameters are given

- The feeding unit and the conveyor allow the sheet metal plates on the pallet to be placed on the feeding conveyor with the vacuum mechanism and given to the grinding machine. In this way, sheets are processed without breaking, contamination, or any damage etc.
- Grinding-brushing machine, containing 2 calibrated sandpapers and 1 brush unit, can obtain duplex surfaces by grinding, brushing or both from 120 grit to 400 grit. It can process sheets up to 1600×4500 mm, in thickness between 0,5 – 4 mm. the powerful air suction and filtration system, not only it does not give dust to the atmosphere, but also cleans the ground surfaces.
- The banding line applies PE coating material from 10 microns to 100 microns on sheets up to 1600 mm width without any length restriction.
- The unloading and stacking unit ensures that the long and short sides form a neat package by taking the taped sheets over the conveyor belt with the vacuum mechanism and stacking them on the pallet.





ULAS STAINLESS  
STEEL SERVICE  
CENTER

## Scotch Brite Line

- Manufactured on 2012,
- 4 brushes, sheet to sheet working,
- Brushing thickness 0,4 to 3 mm
  - PVC laminating
- Working width 1500 mm
- Conveyor speed 5 to 15 m/min





## Slitting Line

- The uncoiling unit can uncoil up to 20 tons of coils
- The slitting table can cut strips of desired width from stainless steel coils up to 3 mm in thickness and up to 1600 mm in width
- Slitting thickness from 0,40 to 3 mm,
- Decoiling – recoiling capacity 15 mton
- Working speed up to 140 m/ min





## 8K Super Mirror Line

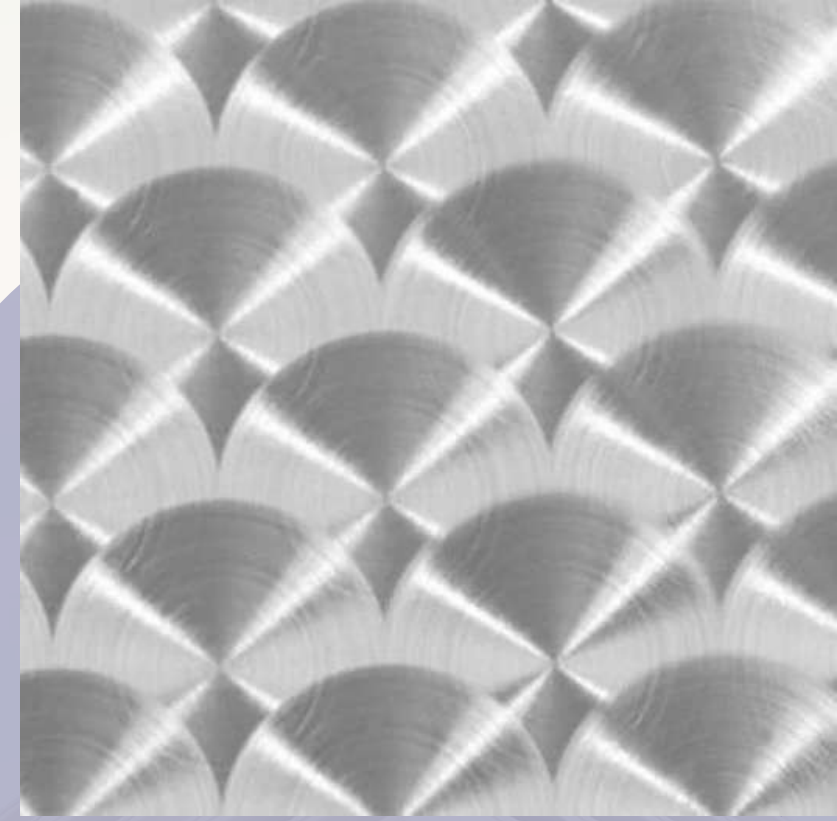
- Manufactured on 2012,
  - With 64 head,
- Polishing thickness 1 to 4 mm
- Working width 1500 mm
  - Polishing 2B and BA surfaces
- Laminating and paper inleave availability





## Circle Pattern Shaping Line

- From 0,7 mm to 4 mm working thickness
  - Max. working width 2000 mm
- Laminating and paper inleave availability



## Tear Drop Pattern Shaping Lines

- 1st line From 1 mm to 4 mm working thickness
  - Pattern length 35 mm
  - Pattern width 8 mm
- 2nd line from 4 mm up to 6 mm
- Max. working width 1500 mm



**ULAS STAINLESS  
STEEL SERVICE  
CENTER**

## **CNC LASER CUT**

### **What is CNC Laser Cutting?**

The meaning of the word LASER is "Light Amplification by Stimulated Emission of Radiation", that is, the amplification of the light chamber by the stimulated emission of radiation.

Laser beam; Carbon dioxide is created in laser cutting benches by giving electric current to carbon dioxide gas. In addition, in order to further increase the efficiency in laser cutting, the efficiency is increased by 1/3 by adding nitrogen and helium gas to the carbon dioxide gas. The cutting process performed on various benches with the obtained laser beam is called Laser Cutting.







## **CNC Laser Cutting Advantages**

- **Cost Advantage** There is no mold cost in the production of parts.
  - Different parts can be processed on the same sheet metal.
- Fire rate is reduced to the minimum level. If the parts to be machined are suitable, the cost can be reduced by cutting the common surfaces together. By marking the bending axes, subsequent manufacturing steps are accelerated and costs are reduced.

## **Quality Advantage**

- A burr-free cut is achieved and heat deformation is minimal.
  - There are no sheet deformations in the press.
  - Holes with a diameter of half the sheet thickness (Ratio 0.5) can be machined.
- Parts are cut with an accuracy of  $\pm 0.2-0.4$  mm. All kinds of texts, pictures, emblems can be cut from the sheet metal.

## **Time Advantage**

- Pricing and cutting work is done in a short time, allowing you to be one step ahead.



ULAŞ STAINLESS  
STEEL SERVICE  
CENTER

## 20 KW LASER CUTTING MACHINE

- Cutting up to 50 mm in stainless steel sheets,
- Cutting up to 80 mm in Carbon (ST 52 e.t.c) steel sheets,
- Cutting up to 40 mm in aluminum sheets,
- Cutting up to 20 mm in brass sheets,





ULAS STAINLESS  
STEEL SERVICE  
CENTER



SENFENG  
LASER

SF6025H  
LASER CUTTING MACHINE



ULAS STAINLESS  
STEEL SERVICE  
CENTER



SENFENG  
LASER

ULAŞ

SP025H



ULAS STAINLESS  
STEEL SERVICE  
CENTER

# 4 KW LASER CUTTING MACHINE





ULAS STAINLESS  
STEEL SERVICE  
CENTER



lothbrog



ULAS STAINLESS  
STEEL SERVICE  
CENTER





ULAS STAINLESS  
STEEL SERVICE  
CENTER

# CNC BENDING MACHINE







ULAS STAINLESS  
STEEL SERVICE  
CENTER

ULAS

Y2

Y1

ULAS





## CNC PRESS BRAKE TWIST

### What is CNC Press Brake Twisting?

CNC Press Brake is a sheet metal forming machine that bends the sheet metal raw material into the desired form. There are models in different tonnages and widths. It consists of parts such as upper mold, lower mold, hydraulic axes, CNC control unit. By applying hydraulic pressure to the female mold of the upper mold, it compresses the sheet metal in between, allowing bending at different angles.

With the developing technology, the control of the computer over the machines is increasing rapidly. The fact that the work done in the press brake benches can be done in a better quality, faster and easier way increases the quality and competitiveness of the production. This is possible with the computer-controlled press brake bending machine. Press brakes apply force to sheet metal with hydraulic pressure.

Information such as material type, material thickness, pressure to be applied are entered into the device from the CNC control panel. After this information is given, animation is obtained and the product that will emerge after the bending process is seen. Another important feature of CNC-controlled press brakes is that the back gauge can be moved. Thanks to forward, backward, down and up, the desired form can be given with more precise production.



ULAS STAINLESS  
STEEL SERVICE  
CENTER

## Why you should work with us?

### Our Values:

**Integrity:** We are responsible company; to which it is safe to trust. Integrity is an inherent part of our business.

**Agile to develop:** We are able to react to changes and customer needs with agility. We are continuously developing our operation.

**Profitability:** We do things smartly. Profitable business ensures continuity and enables development.

**Expertise:** Expertise can be seen in everything we do. We want to learn new things all the time

Export-Import Department  
[www.ulas-paslanmaz.com](http://www.ulas-paslanmaz.com)

[ozgun@ulas-paslanmaz.com](mailto:ozgun@ulas-paslanmaz.com)

[berkay@ulas-paslanmaz.com](mailto:berkay@ulas-paslanmaz.com)

[nara@ulas-paslanmaz.com](mailto:nara@ulas-paslanmaz.com)

+90 312 439 83 80