

TSS PRODUCTION GROUP

METAL SERVICE CENTER





TSS PRODUCTION GRUP

TOTAL STAINLESS STEEL SRL

Inregistrata la Oficiul Registrului Comertului sub nr J2015000503527,

Cod unic de inregistrare RO34914002

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TSS PRODUCTION Group is a leading enterprise established in 2015, specializing in the production of high-quality stainless steel tubes. With a commitment to innovation and excellence, we have rapidly grown into a prominent player in the industry, setting new standards through cutting-edge technologies and a comprehensive range of services. Headquartered in Bucuresti Romania ,TSS PRODUCTION Group has strategically expanded its operations to meet the demands of a global market

Our company was founded in 2015 as a local enterprise manufacturing various products from stainless steel, glass and aluminium. In 2018 we start producing stainless steel tube with 2 stainless steel pipes production lines in Giurgiu and providing services for other industrial companies. We focus on growing our number of production lines and getting the latest technology for our services.

In December 2023 we finish instalation for all our 3 new plants with a total of 39 new equipment for:

1. producing stainless steel tubes 10 lines, polishing machines 8 and 1 slitting machine
2. metal service (cutting, bending, forming, polishing, welding)
3. pvd coating for stainless steel and glass
4. glass processing

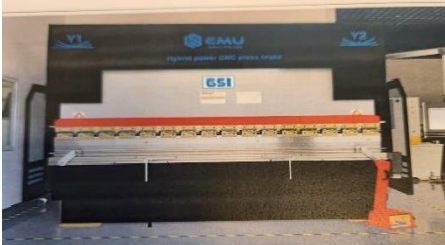
Tubes Machines

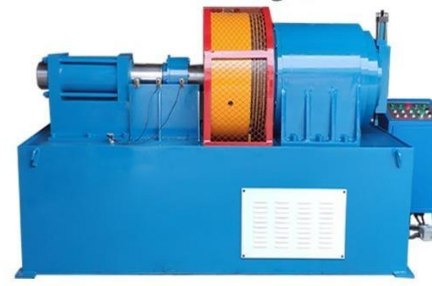


Polishing Machines



PRESENTATION OF PRODUCTION UNITS WITHIN THE GROUP

TSS CARACAL METAL production unit		
	Technological equipment	No of. Equipment
	Laser Sheet Metal Cutting Machine With Interchangeable Table • Laser 6000kw • precision of $\pm 0.03\text{mm}$ • working surface 2500*6000mm • maximum cutting: stainless steel (N2) 20mm, Carbon steel (O2) 25mm, Aluminum 10mm, Brass 8mm, Copper 6mm	1
	Pipe Laser Cutting Machine • Laser 3000kw • precision of $\pm 0.03\text{mm}$ • working surface 6000mm • maximum cutting: stainless steel (N2) 10mm, Carbon Steel (O2) 20mm, Aluminum 5mm, Brass 5mm, Copper 3mm	
	CNC Plasma Cutting Machine • Plasma generator Original USA, Hypertherm MaxPro200 • cutting with plasma or oxygen • plasma cutting 0-75mm, plasma drilling 0.3-32mm • oxygen cutting 38mm • cutting table 4200x15000mm	1
	Hydraulic Press Brake With CNC • Bending length 4050mm • Strength: 220 tons • Stroke: 350mm • Opening: 600mm • Throat depth: 450mm	1
	Hydraulic Pipe Bending Machine With Servo • Bending capacity: material thickness between 0.3-3mm, diameter between 10-115mm for carbonsteel, 10-105mm stainless steel • Maximum bending angle 180 degrees • Accuracy: ± 0.1 degrees Hydraulic ± 0.5 degrees	1

	CNC Vertical machine with 3 + 2 axes • Work table size 1300x610mm • Distance axis / ground 150-800mm • Accuracy 0.03mm • Stroke on the x axis: 1000mm • Stroke on the y axis: 610mm	1
	Production line for closed slotted profiles with a diameter between 12.7-50.8 mm	1
	Production line for closed slotted profiles with a diameter between 50.8-114 mm	1
	Machine for stainless steel tubes with a diameter between 6-31.8mm	1
	Machine for stainless steel tubes with a diameter between 12.7-50.8mm	1
	Machine for stainless steel tubes with a diameter between 25.4-76.2mm	1
	Machine for stainless steel tubes with a diameter between 50.8-114mm	1
	Grinding line for closed semi-round and semi-oval slotted profiles	2
	Grinding line for closed square and rectangular slotted profiles	2
	Grinding machine for round tubes with a diameter between 6-50.8 mm	2
	Grinding machine for round tubes with a diameter between 50.8-114 mm	2
	Grinding machine for square and rectangular pipe	2
	Slitting Machine • Materials to be processed stainless steel sheet, galvanized 0.3-3mm • Maximum width of the sheet to be processed 1250mm • Drum inner diameter 508mm • Outer diameter of sheet roll 1000mm • Maximum roll weight capacity 10 tons • Banding tolerance ± 0.2mm • Waste size 2-20mm	1
	Embossing machine • Materials to be processed stainless steel pipes, 0.3-3mm • Different models of embossing • Decoration pipes embossing	1

TSS OLTENITA METAL production unit

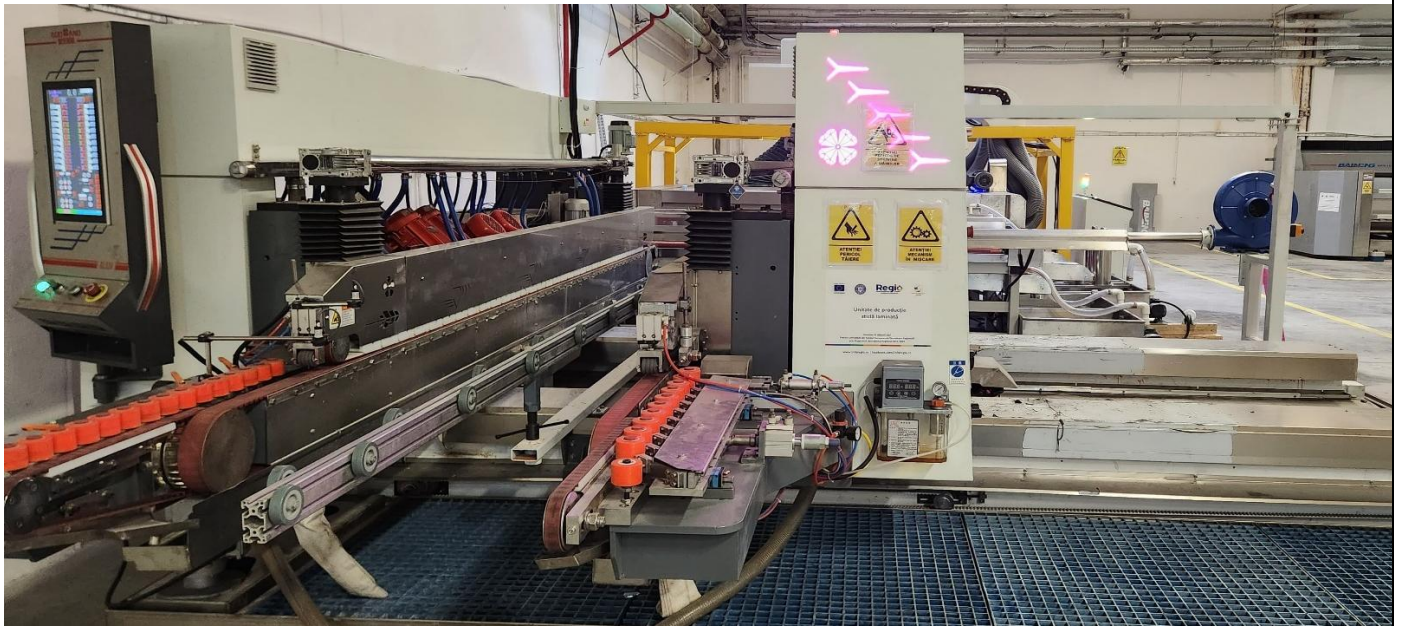
	Laser Metal Cutting Machine • Laser 3000kw • precision of $\pm 0.03\text{mm}$ • working surface 1500x3000mm • maximum cutting: stainless steel (N2) 10mm, Carbon Steel (O2) 20mm, Aluminum 5mm, Brass 5mm, Copper 3mm	1
	CNC Plasma Cutting Machine • Plasma generator Original USA, Hypertherm MaxPro200 • cutting with plasma or oxygen • plasma cutting 0-75mm, plasma drilling 0.3-32mm • oxygen cutting 38mm • cutting table 2200x6000mm	1
	Hydraulic Press Brake Machine With CNC • Bending length 6000mm • Strength: 400 tons • Stroke: 400mm • Opening: 700mm • Throat depth: 600mm	1
	Cnc Hydraulic Brake Plate Shears • Cutting length 3200mm • Cutting capacity 16mm • Throat depth 150mm	1
	Punching Machine • Pressing force 1000kn • Table size 960x560mm • Cylinder cushion capacity 300kn • Opening: 600mm • Throat depth: 300mm	1
	Coating Machine (PVD) Ion Plating Method • Inner diameter 1600mm • Internal height 1800mm • Sputtering • Colors: intense black, gold, copper, rose gold, blue, green, etc	1

GLASS PROCESSING FACTORY TSS OLTENITA



Automatic glass loading and cutting machine

- Cutting table 4200x2800mm
- Automatic loading
- Glass thickness: 2-19mm
- Cutting speed: 200m/min



Double edging polishing machine

- Maximum width of the glass 3000 mm
- Minimum glass size 300*300 mm
- Glass thickness 4-26 mm



Glass washing machine

- Maximum glass width 2000mm



Automatic lamination line with PVB (or EVA)

- Maximum glass size 3660*2440 mm
- Lamination time for 6.2.6: 50 min



Glass engraving machine:

- Engraving area: 2400*2000 mm



1. Stainless Steel Tube Production: Our core competency lies in the production of premium stainless steel tubes. Leveraging state-of-the-art manufacturing processes and stringent quality controls, we ensure the delivery of durable and high-performance products. Our capacity is 900 tone/monts.
2. Facilities in Romania: TSS PRODUCTION Group boasts five modern manufacturing facilities strategically located in Romania. These facilities are equipped with the latest technologies, enabling us to maintain the highest standards in production efficiency, quality, and sustainability.
3. Metal Service Centre: Our Metal Service Centre complements our manufacturing capabilities, offering a wide range of services such as cutting, bending, and finishing for plate, sheet and tube. This ensures that our customers receive customized solutions tailored to their specific needs.
4. Glass Factory: In addition to stainless steel, our company has expanded its portfolio to include a glass factory. This diversification allows us to cater to a broader spectrum of industries, providing integrated solutions and enhancing our overall product offering.
5. Commitment to Innovation: TSS PRODUCTION Group remains at the forefront of innovation. Our dedicated research and development teams continuously explore new technologies, materials, and manufacturing processes, ensuring that our products meet and exceed industry standards. For exemple: PVD coating process for stainless steel and glass.

Our product:

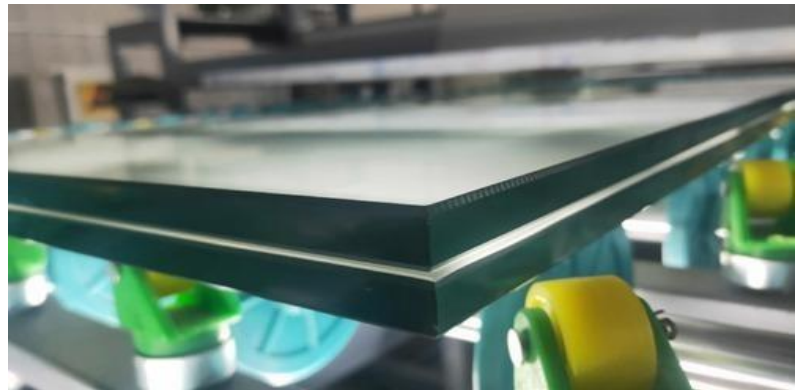
1. stainless steel products

- pipes
- sheets and coils
- accesories
 - surface (any kind of finishing provided by our 10 polishing machine)



2. procesed glass

- laminated
- tempered
- drilling
- polished
- engraving

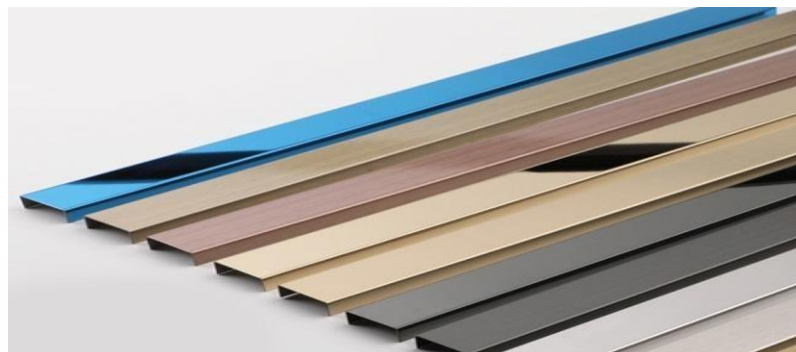


3. metal services:

- laser cutting
- plasma cutting
- bending
- press brake guilotine cutting
- punching
- welding



4.PVD coating service. We can provide full item made by us and PVD coated or we can assure just the PVD coating process on cutomers items



Quality Assurance: At TSS PRODUCTION Group, quality is our top priority. We adhere to strict quality assurance protocols at every stage of the production process. This commitment to excellence has earned us the trust of our clients and has solidified our reputation as a reliable supplier of stainless steel tubes and related products.

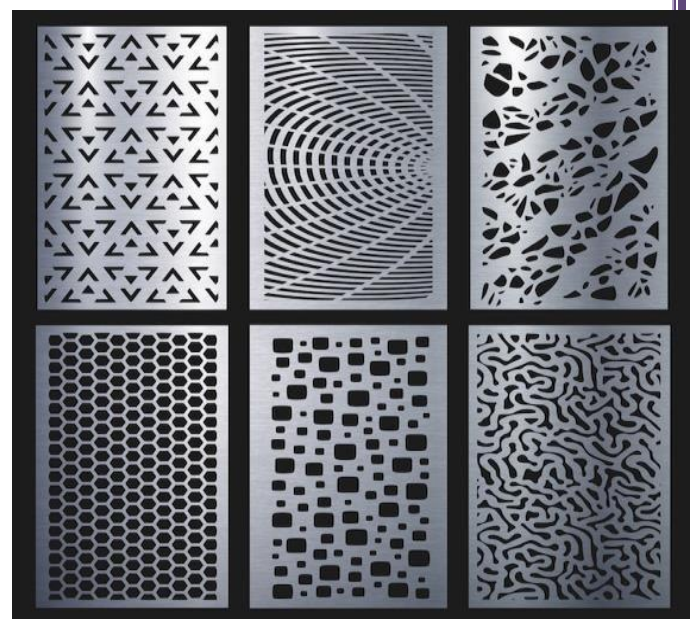
Environmental Stewardship: Recognizing the importance of sustainability, TSS PRODUCTION Group integrates environmentally friendly practices into its operations. From energy-efficient manufacturing processes to waste reduction initiatives, we are dedicated to minimizing our ecological footprint.

Global Reach: TSS PRODUCTION Group has established a global presence, serving clients across diverse industries. Our commitment to quality, innovation, and customer satisfaction has positioned us as a preferred partner for companies seeking reliable and advanced stainless steel solutions.

Conclusion: In the dynamic world of stainless steel manufacturing, TSS PRODUCTION Group stands out as an industry leader. With a foundation built on cutting-edge technology, a commitment to quality, and a diverse portfolio that includes stainless steel tubes, metal services, and glass production, we continue to set new benchmarks and contribute to the succ









PVD COATING WORK

