



**D**ISKRA<sup>S.</sup><sub>A.</sub>  
STEEL CONSTRUCTION

**MACHINERY**



We LISTEN to your ideas



We 3D-MODEL your dream...



We PRODUCE it in our own plant

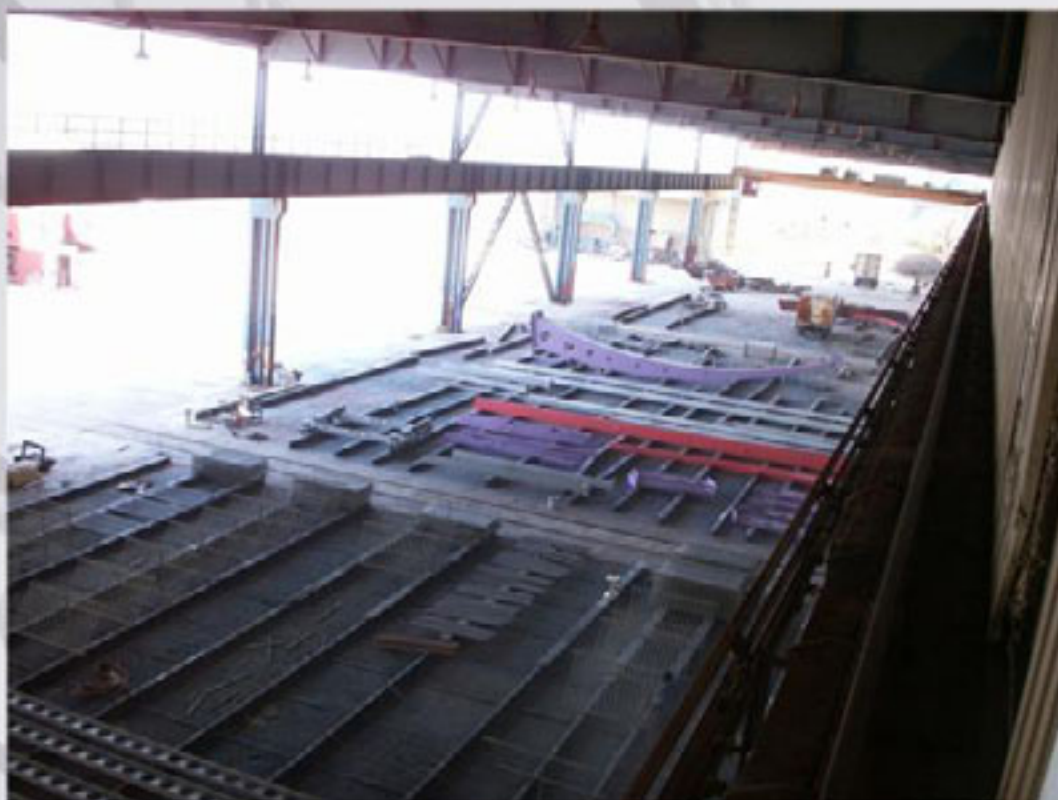


We TEST ASSEMBLE our product



We RAISE UP your dream

# AUTOMATIC & HANDY SAND BLASTING ANTI CORROSIVE PROTECTION



*Name:* Automatic sandblasting unit  
*Type:* OMSG  
*Manufacturer:* OMSG Villa Cortese-Italy  
Plate working space 600/3000  
Beam working space 590/2200  
Material Sis-SA 2.5  
Max speed : 12m 5 min  
Year of production 1981  
**Pieces: 1**



*Name:* Kovinarska  
*Type:* 293.K  
*Manufacture:* Tovarna industrijske  
opreme in Konstrukcije – Slovenija  
Reservoir type: UI Air pressure: 8 Pa.  
Work pressure: 10.4 pa.  
Reservoir capacity: 0.015 m<sup>3</sup>  
Year of production 1989  
**Pieces: 2**



Hydraulic cutting & bending section



**Name:** SAN MACHINE  
**Type:** MG 31/16-20  
**Manufacturer:**  
**Maximum width:** 3100mm  
**Max material tick Dmax=**12mm  
**Year of production** 1981  
**Pieces:** 1



**Name:** BENDING MACHINE  
**Type:** Tip P1175  
**Manufacturer:** TELEMQUANIQE  
**Max length** 4050 mm  
**Max thickness** 18mm  
**Year of production** 1996  
**Pieces:** 1



**Name:** SAN MACHINE  
**Type:** MG 31/16-20  
**Manufacturer:** JELSINGRAD  
**Max width B =** 3100 mm  
**Max material tick Dmax=** 20mm  
**Year of production** 1981  
**Pieces:** 1

## ROLING BENDING MACHINE OF PLATES AND PROFILES



**STANDARD PRODUCT**



**Name:** Bending machine-Round  
**Type:** DOMBRE  
**Manufacturer:** Le Mense-Belgie  
**Bmax-**4000 mm of steel plate **Dmax-**32 mm  
of steel plate  
**Hmax-** 160 mm of sections  
**Year of production** 1954  
**Pieces:** 1



**Name:** Bending machine  
**Type:** MASSA  
**Manufacturer:** MASSA  
**Max.Leight:** 3000 mm  
**t =** 6 mm  
**Year of production** 2002  
**Pieces:** 1



**Name:** Plasma Star  
**Type:** PSV 30/60  
**Manufacturer:**  
 Max 60 A  
 Handy Plasma cutting machine  
 Year of production 2002  
 Pieces: 1



**Name:** JACKLE  
**Type:** Power Plasma  
**Manufacturer:** Germany  
 Max:20A/88V-160A/144V  
 Handy Plasma cutting machine  
 Year of production 2007  
 Pieces 2



**Name:** Equipment for predeformation  
**Type:** Raddrizatrice 2000x30  
**Manufacturer:** Di Parmigliari-Italy  
 Max width 2000 mm  
 Max thickness 30 mm  
 Year of production 1981  
 Pieces: 1



**Name:** Radial console driller  
**Type:** TRB 5A  
**Manufacturer:** TIGAR-SARTAH SCIG  
 Max diameter of holes  
 F max=50 mm 1 holes/min  
 Year of production 1981  
 Pieces 3



## SUPPORTING MACHINES AND TOOLS



**Name:** Punching Machine  
**Type:** 320  
**Manufacturer:** ITALY  
 Max F1 – 32 mm  
 Year of production 1996  
 Pieces: 1



**Name:** ELECTRIC SAW  
**Type:** UMSY 1010  
**Manufacturer:** Tyrkey  
 Cutting capacity: 15-105m/min  
 Year of production 2002  
 Pieces 1

**Name:** ELECTRIC SAW  
**Type:** PBR 250x45°/350x90°  
**Manufacturer:** CAMAK  
 Cutting capacity: ?  
 Year of production 2002  
 Pieces 1



Electric SAW

FICEP driller & SABI saw cutter CNC system  
For drilling and cutting steel profiles operation can be  
done on welded or hot rolled HEA,HEB,U profiles also  
have complete support of CNC transpotrer

*Name:* SAW FOR STEEL

*Type:* PBR 700x45°/1300x90°

*Manufacturer:* SABI-SPAIN

Angle cutter -60 to +45 degree

Max vol. of cutting 1350x600 mm

Speed 18-80 m/min

Year of production 2005

Pieces: 1



*Name:* Machine for steel profiles drilling

*Type:* FICEP

*Manufacturer:* GENERAL-MOTORS

Hydraulic automatic multi-axes column driller Fmax= 32mm

Year of production 1981

Machine has been upgraded to CNC in 2005

Pieces: 1

# CNC Punching machine



**Name: CNC PUNCHING MACHINE**  
**Type: PAXY 1500, PUMA 110**  
**Manufacturer: GEKA - SPAIN**  
**Work space: 750 x 1515mm**  
**Max thickness: 28 mm with punchin  
tool Ø 28 mm**  
**Year of production 2007**  
**Pieces: 1**



*Name:* Automatic gas cutting with photocell  
*Type:* **CORTA**  
*Manufacturer:* **Messer Frankfurt-Germany**  
 Cutting area 3000x 18000  
 Max thickness 250 mm Average cutting speed: 34 cm/min  
 Year of production 1981  
 Pieces: 1



*Name:* Plasma cutting machine **PANTOGRAPH**  
*Type:* Fine focus 800 *Manufacturer:* **Kjellberg**  
 Germany Max 180 mm  
 average speed 200-1600 mm/ min  
 Cutting area 24000x 6000 mm  
 CNC Plasma and Oxygen cutting  
 Year of production 2006  
 Pieces: 1



*Name:* Automatic gas cutting  
*Type:* **SH - 5600**  
*Manufacturer:* **Messer Frankfurt-Germany**  
 Max. number of burners: 8 pic.  
 Min. distance between burners: 40 mm  
 Max length: 26 m  
 Max width: 4m  
 Average cutting speed: 0,34m/min  
 Year of production 1981  
 Pieces: 2

## SECTION OF AUTOMATIC PLASMA & GAS CUTTING OF STEEL PLATES & TREATMENT OF THE EDGES



*Name:* Equipment for predeformation  
*Type:* **IP 700x35 max; 150x10 min**  
*Manufacturer:* **Di Parmigliari-ItalyB**  
 max- 700 mm Max width  
 Dmax – 35 mm Max thickness  
 Leigh- no limit  
 Speed: 14 m per min  
 Year of production 1981  
 Pieces: 2

*Name:* Edges treatment equipment  
*Type:* **HHP - 12**  
*Manufacturer:* **HULIN TOS**  
 Max length: 1400 mm  
 Max lamella height: 80 mm  
 Max speed: 12m/min

**ANGLE ROTATOR  
40 t Capacity**



**System for manufacturing welded I  
profile MASTER , MH 55 ,  
ROTATOR whit RAILROAD support**



**Name:** Arc welding machine **MASTER**

**Type:** ARMCO

**Manufacturer:** ARMCO-Genova Italy

**Accessories:** Aggregates (pcs=2) "IDEAL ARC" DC-1500 A,  
"The Lincoln Electric Company" -Cleveland, Ohio- USA,

**Steel profile dimensions:** 700/200/3000

**Year of production** 1981

**3 pairs (Total 6 pieces)**



**Name:** Arc welding machine

**Type:** MH-55/4

**Manufacturer:** ARMCO-Genova Italy

**Accessories:** Aggregates (pcs=2) "IDEAL ARC" DC-1500 A,  
"The Lincoln Electric Company" -Cleveland, Ohio- USA. **Steel profile  
dimensions:** H/4200- V/4500

**Year of production** 1981

**Pieces : 3**

# SUBM ARC Welding Machines MASTER , MH 55 , LAF , whit LINCOLN aggregates



**Name:** Arc Welding Machine  
**Type:** MH 55/4  
**Manufacturer:** AMRGO-Genova Italy  
**Accessories:** Aggregates (pcs=2) "IDEAL ARC" DC=1500 A  
"The Lincoln Electric Company" -Cleveland, Ohio, USA  
**Steel profile dimension:** H/4200 - V/4500  
**Travelling:** ??? = 60??  
    Height = 4,2 m  
    Vertical = 4,3m  
**Year of production** 1981  
**Pieces:** 2+1



**Name:** Arc welding machine MASTER  
**Type:** ARMCO  
**Manufacturer:** ARMGO-Genova Italy  
**Accessories:** Aggregates (pcs=2) "IDEAL ARC" DC-1500 A,  
"The Lincoln Electric Company" -Cleveland, Ohio- USA,  
**Steel profile dimensions:** 700/200/3000  
**Year of production** 1981  
**Pieces:** 6



**Name:** Automatic welding machine using powder LAF  
**Type:** Lincoln Electric NA 35  
**Manufacturer:** The Lincoln Electric- France  
**Accessories:** Aggregates (pcs=2) "IDEAL ARC" DC-1500 A,  
"The Lincoln Electric Company" -Cleveland, Ohio- USA,  
**Steel profile dimensions:** no limits  
**Year of production** 1981  
**Pieces:** 2



**KEMPPI**  
The Joy of Welding



*Name:* Tig mashine  
*Type:* Kemppei pro 5500  
*Manufacture:* KEMPPI- Finland  
Max Amp=500 A  
Max thicknes of wire 0.8 to 1.6  
Year of production 2005

*Name:* MIG process welding machine  
*Type:* Kemppei 5500  
*Manufacture:* KEMPPI- Finland  
Max Amp=500 A  
Max thickness of wire 0.8 to 1.6 mm  
Gas 100% CO2 or 82% Ar +18% CO2  
Year of production 2005  
Pieces : 44

## Compressor station whit reservoir



*Name:* Atlas - Copco  
*Type:* 4352  
*Manufacture:* Atlas - Copco  
*Capacity* 25 m3/h  
*Compressor* 4352  
*Work pressure* 9 atm.  
*Year of production* 2003  
*Number of compressors:* 2



*Name:* Fagram – Smederevo  
*Type:* KS – 707 – 2  
*Manufacture:* OOUR – Inzenjering Smederevo  
*Capacity* 25 m3/min  
*Compressor* ES 707 – 2  
*Work pressure* 9 atm.  
*Year of production* 1981  
*Number of compressors:* 4



*Name:* Gas Reservoir  
*Type:* 118.29  
*Manufacture:* Heroj – Srba Smederevo  
*Work pressure* 10 atm.  
*Capacity* 15 m quick  
*Year of production* 1981

# Automatic Sand-blasting Unit whit preheating of wet material



**Name:** Automatic sandblasting unit

**Type:** OMSG

**Manufacturer:** Villa Cortese-Italy

**Plate working space** 600/3000

**Beam working space** 590/2200

**Material Sis-Sa** 2.5

**Max Speed** 12m 5min

## System for Handy Sand Blasting with Automatic collector of Dust



*Name:* KOVINARSKA

*Type:* 293.K

*Manufacturer:* TOVARNA INDUSTRIJSKE  
OPREME IN KONSTRUKCIE - SLOVENIJA

Reservoir type: UI Air pressure 8 Pa

Work pressure: 10.4 Pa

Year of manufacture 1989

Pieces:

## CRANE support



We have crane support in all area of our factory lifting power of the cranes is from 5t up to 40t



All Portal Cranes are with 2 rail

Type : 7 cranes 2x2.5t

a4 cranes 2x5t

1 crane 2x7.5t

2 cranes 2x10t

2 cranes 2x15t

2 cranes 2x20.5t

Manufacturer: Ivo Lola Ribar Zeleznik Beograd

Year of production 1981

# MACHINE SHOP SECTION



**Name:** UNIVERSAL STRUG  
**Type:** PA – B - 30  
**Manufacturer:** ADA POTISJE - SRBIJA  
Max diameter of material 500 mm and 800 mm  
Max length of material 3000 mm  
Year of production 1961  
Pieces: 1



**Name:** UNIVERSAL STRUG  
**Type :** US - 61  
**Manufacturer:** ADA POTISJE - SRBIJA  
Max diameter of material 500 mm  
Max length of material 1500 mm  
Year of production 1961  
Pieces: 1



**Name:** SHAPING MACHINE  
**Type:** MAJEVICA  
**Manufacture:** BACKA PALANKA  
Max dim on work palate 700 x 700mm  
Year of production 1975  
Pieces: 1



**Name:** FREEZE  
**Type:** PHANTOM PS 43  
**Manufacturer:** MZT - Skopje  
Work space: 800x250 mm  
Year of production 1979  
Pieces: 1

# GRINDING MACHINE



**Name:** Double housing surface and  
sideway grinding machines

**Type:** TU – N

**Manufacturer:** FAVRETTO – Italy

**max. grinding length** 4000 mm

**max. grinding width** 1500 mm

**max. grinding height** 1500 mm

**variable speed rate** 3 – 40 m/min

Upgrade on the machine has been  
made in 2007

**Pieces:** 1

# CNC Milling machine



**Name: CNC MILLING**

**Type: MH 900c**

**Manufacturer: MAHO WERKZEUGMASCHINENBAU  
BABEL & CO. D-8962 PFRONTEN**

**Upgrade of the machine has been made in 2007.**

**Year of production 1983**

**Pieces: 3**



Our company have all necessary NDT certificates for the equipment and also for the QC personnel



# QUALITY CONTROL EQUIPMENT & CERTIFICATES

## PROBE MONTAGE SECTION



We have space for Probe Montage  $3 \times 2400\text{m}^2$  and all space is covered with Portal cranes

Usually in our workshop we make probe montage on the Bridge Construction, Roof construction, Process Equipment and all type of construction where is needed big precision and precise geometrical shapes



## ANTI CORROSIVE PROTECTION



We have 5400 m<sup>2</sup> covered space for painting