



EXPOM



Expom

- ✓ Over 300 qualified employees with approximately 20 engineers
- ✓ 9 production halls with total area over 20000 sq. meters along with the machinery
- ✓ Lifting capacity up to 70 tonnes
- ✓ Complete technological process including: cutting, welding, machining, shot blasting, painting, outfitting and testing.
- ✓ New Machining Centre Juaristi MP5 RAM machining space 17000 x 5000 x 2000 mm
- ✓ Turnover growth + 10% year to year
- ✓ New Laboratory and Quality Improvement
- ✓ Production capacity – more than 350 tons monthly of ready steel structures



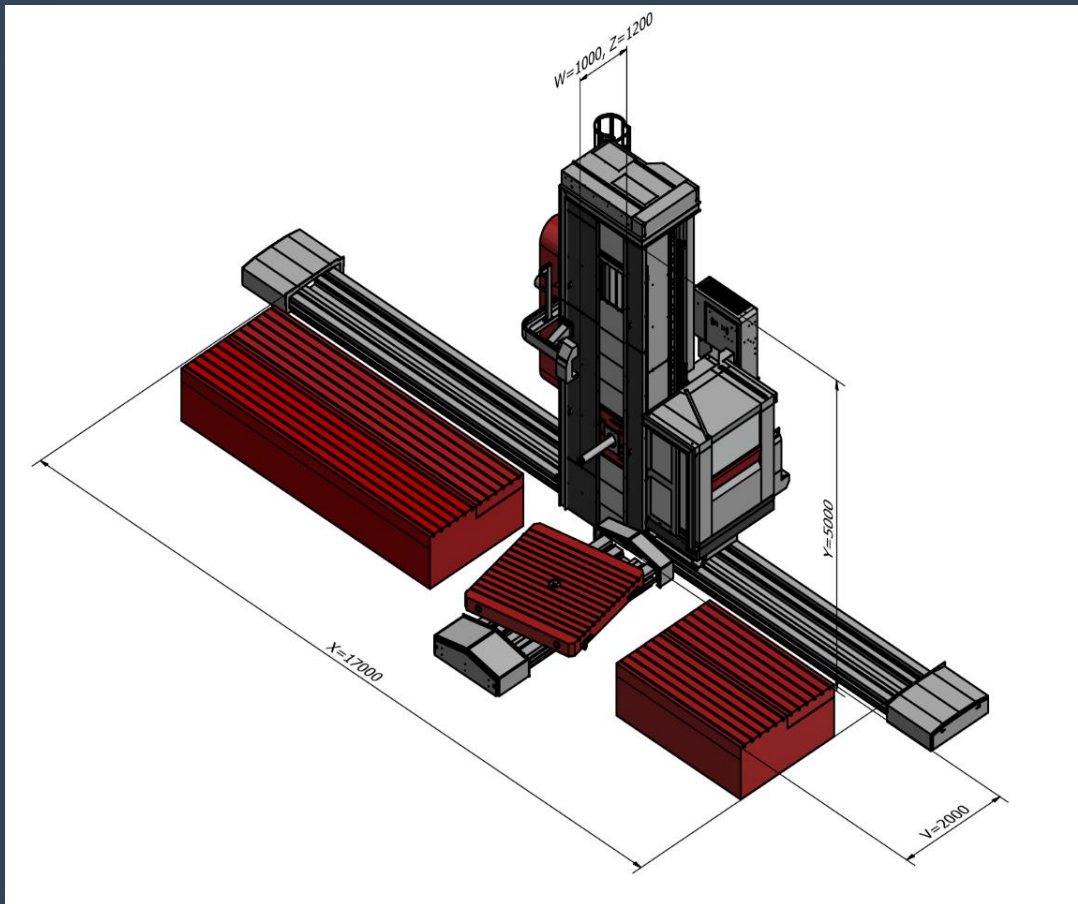
Overhead cranes



Lifting capacity increased up to 70 tons. Thanks to the investments we can handle heavier constructions.

Machining workshop - JUARISTI MP5 RAM

NEW POSSIBILITIES AT EXPOM/ MACHINERY/JUARISTI MP5 RAM



TECHNICAL SPECIFICATION

X = 17000 mm

Y = 5000 mm

Z = 1200 mm

W = 1000 mm

V = 2000 mm

Automatic tool changing– 60 pcs

Hydrostatic guiding system

Machining workshop - JUARISTI MP5 RAM



New machining possibilities



Machining possibilities



**Wotan Rapid 5R/63 -
table type boring and
milling machine
controlled numerically
for treatment of heavy
welded structures:
constructions up to 60
tons.
4000x3000x2880mm**

Machining possibilities



**Froriep 16KZ300 - vertical lathe,
maximum workpiece weight 25 tons,
processing height 2400mm x 3000mm**



Machining possibilities

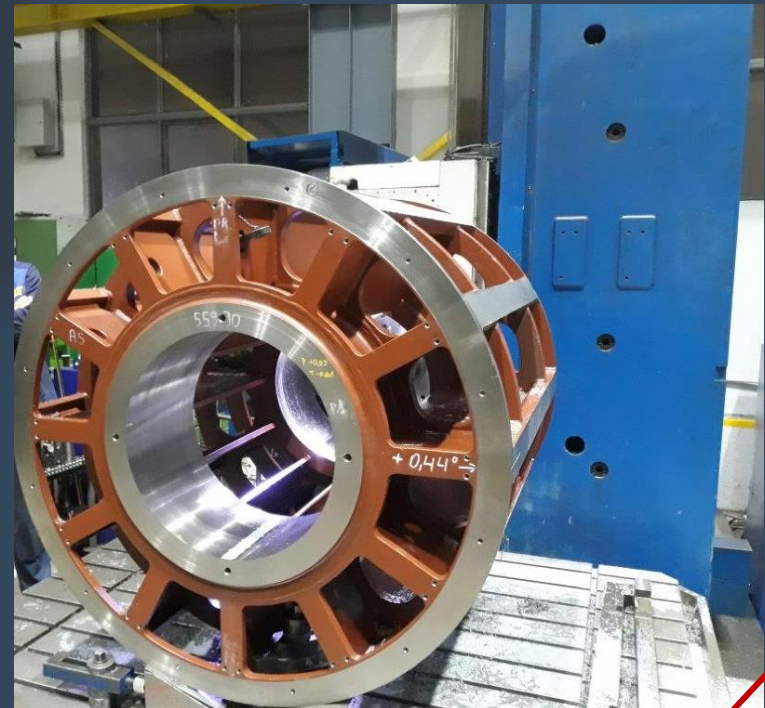


**HAAS EC 1600
machining center.
Suitable for
precision machining
of small and middle
size constructions.
1630x1270x820mm**

Machining possibilities



TOS WNH 13.8
Numerically controlled table
drilling and milling machine.



Expom new laboratory



Expom new laboratory



New research and measurement capabilities

Destructive tests (DT) of metal construction materials

- Hardness test
- Material strength testing

Non-destructive testing (NDT) of welded joints

- Visual VT
- Magnetic-Powder MT
- Penetrative PT
- Ultrasonic UT
- Video surveys with an endoscope

Expom new laboratory



New research and measurement possibilities

Geometry test

- Test with the Faro Arm and Faro Laser Tracker
- Manual measurements
- Measurements made on a tracer-measurement plate [15m x 6m]



Paint shop - qualifications



Expom provides:

- Drying chamber works in 65 °C
- Frosio qualification LEVEL 3.
- Surface thickness measurements
- Surface preparation assessment
- Salt tests
- Tensile tests using method:
- Net cross cut tests
- Pull off tests
- Blotter test
- Blasting quality assessment in accordance with ISO 8501 -1: 2008
- Surface preparation assessment in accordance with ISO 8503 - 1: 2012
- Surface cleanliness examination using dust test method

Shot blasting chamber



Dimensions 15 x 5 x 4m

Painting chamber



Painting and drying chamber, inside dimensions: 18x 5x 5m.

Outfitting



Expom executes complete outfitting including:

- mechanical systems,
- electrical systems
- hydraulic systems
- static and dynamic tests (Save Work Load) from 900 to 40000 kg

3 new workshops with total area of 3750 sq. m

HALL H5 – 1250 sq. m



HALL H6 – 1250 sq. m



HALL H7 – 1250 sq. m



Investment in cutting materials hall

Construction of a hall with area about 1250 sq.m

Investment in machinery park:

1. Plasma burner

- 3 m x 12 m table

2. Shot blasting machine

- 2 m x 0.3 m clearance above the roller-blind, the possibility of blasting sheets and profiles by automatically moving details.

3. Band saw

- cutting range min. 460 mm x 600 mm,
- cutting angles 0-60 °,
- cutting packages.

4. Hydraulic press

- table 2,5 m x 3 m,
- 200 ton of pressure,
- vertical clearance of 600 mm.



Investment in new production hall

Hall with area about 1 250 sq.m

1. Overhead cranes

- 40 t
- 20 t



2. Welding robot

- arm's range of 2.5 m,
- positions from two robot sides,



3. Boring and milling machine

- Axes:
X - 3 m, Y - 2.5 m, Z - 1.6 m, W - 0.8 m
- Spindle \varnothing 130 mm.







EXPOM

RELIABLE PARTNER

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