






## PRODUCTION CAPACITIES

In the frame of our production capacities, we offer different products made according to our or customer`s documentation. Production runs on conventional, NC and CNC machines. The company also performs various heat treatments and uses a laboratory for non-destructive testing and laboratory for the calibration of length measuring instruments.

WORKPIECE DIMENSIONS		
<b>Milling CNC milling centers - large</b>	max. workpiece weight 35 t up to 8000 mm length, up to 2200 mm width up to 4000 mm height	
		
<b>Milling CNC milling centers - medium</b>	max. workpiece weight 6 t up to 2000 mm length, up to 600 mm width up to 1600 mm height	
<b>Turning CNC Karusel turning- large</b>	max. workpiece weight 32 t up to 4300 mm diameter up to 1600 mm height	
	max. workpiece weight 16 t up to 4000 mm diameter up to 2500 mm height	
<b>Turning CNC Karusel turning- medium</b>	max. workpiece weight 8 t up to 1600 mm diameter up to 1250 mm height	

**CNC and  
conventional  
turning between  
centers - large**

max. workpiece weight 14 t  
up to 950 mm diameter  
up to 5400 mm length,

max. workpiece weight 10 t  
up to 720 mm diameter  
up to 11000 mm length,



**CNC turning  
between centers -  
medium**

max. workpiece weight 5,5 t  
up to 600 mm diameter  
up to 3200 mm length



**External grinding-  
large**

max. workpiece weight 10 t  
up to 800 mm diameter  
up to 6500 mm length



**External grinding-  
medium**

max. workpiece weight 5 t  
up to 400 mm diameter  
up to 3330 mm length



**Drilling**

max. workpiece weight 10 t  
up to 2700 mm diameter  
up to 2000 mm length  
up to 1200 mm height



**Deep drilling  
Round pieces**

max. workpiece weight 8 t  
up to 450 mm outside diameter  
up to 8500 mm drilling length  
largest hole diameter  
up to 255 mm



## Honing

max. workpiece weight 5 t  
from 50 up to 290 mm diameter  
up to 2500 mm length

## 3D-Coordinate measuring machine

max. workpiece weight 15 t  
up to 3500 mm length  
up to 3000 mm width  
up to 1500 mm height  
5 micron accuracy



## Welding

Demanding welded pieces of  
different shapes



Demanding welded pieces up to  
35 t in weight



## Various heat treatment


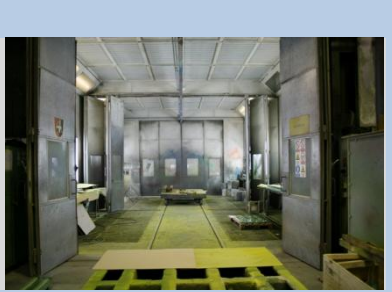
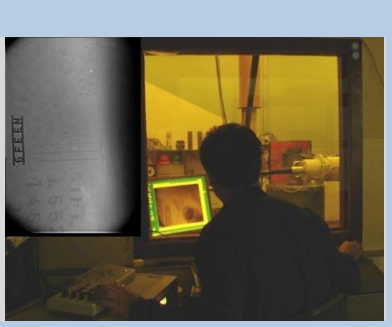

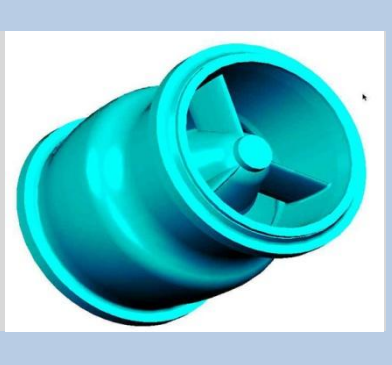
Hardening&tempering, quenching,  
tempering, flame hardening,  
hardening of tool and high-speed  
steel in a salt bath.

(more detail on the website:  
<http://www.st-ravne.si/en/heat-treatment.aspx>)



Dual-frequency induction  
hardening of rolls  
up to 850 mm diameter  
up to 5500 mm length  
max. workpiece weight 12 t



	<p>3D - induction surface hardening of different shapes (bearing raceway, teeth, roll necks,...) up to 4000 mm diameter max. workpiece weight 6,5 t</p>	
<b>Painting</b>	<p>Painting chamber and painting according to ISO 14001 11460 x 7000 x 4000, Tmax=80°C</p>	
<b>Equipment for non-destructive testing of products</b>	<p>RT, UT, MT, PT, ET</p>	
<b>Assembling</b>	<p>38400 x 19000 3400 x 2400 x 3000 (assembling cave)</p>	
<b>CAD/CAM equipment</b>	<p>MASTERCAM, CIMATRON, ProEngineer, ProE/Mechanica, ProE Mechanism Dynamics option AUTOCAD, AUTODESK INVENTOR</p>	


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