

## Machine list

### CNC milling

Traverse distances X-Y-Z	3,000 x 800 x 600 mm (960mm Z= swiveled)
max. Workpiece weight	1,250 KG
RPM range	0-24,000 rpm
Tool changer	42 times

### CNC 5-axis milling

Traverse distances X-Y-Z	1,000 x 600 x 600 mm
max. Workpiece weight	750 KG
RPM range	0-24,000 rpm
Tool changer	100 times
(ICS) Internal coolant supply	60 bar 1-channel & multi-channel

### CNC turning

Center height	350 mm
Distance between centers	1,000 mm
max. Turning diameter	600 mm (swing)

### CNC millturning with 5 axes

Center height	200 mm
Distance between centers	600 mm
max. Turning diameter	350 mm
max. Workpiece weight	150 KG

### CNC surface and profile grinding

Traverse distances X-Y-Z	1,000 x 500 x 300 mm
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### Manual surface grinding

Traverse distances X-Y-Z	500 x 200 x 200 mm (with diaform mechanism 10:1)
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### CNC cylindrical grinding

Distance between centers	3.000 mm
max. Grinding diameter	550 mm

with inclined table & steady rests

### Centerless grinding, profile grinding

#### Projection form grinding

### CNC wire erosion

500 x 500 mm

### CNC die-sinking

400 x 400 mm

### Welding operations TIG, MIG MAG

8,000 x 8,000 x 3,000 mm

### 3D coordinate measuring machine

Measuring range X-Y-Z	1,000 x 700 x 500 mm
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### High Gloss / Superfinishing

Polishing, deburring, lapping, trovalizing, honing  
surface treatment, electroplating, heat treatment

### CAD / CAM

Interfaces	.STP-.STEP-.DWG-.DXF-.IGES-.VDA-.VEC-.SAT-.UG-.PRT
Data Transfer	VDSL high-speed data line, DVD, CD, E-mail FTP server, EDISON
Efficient 2D 3D Software	for programming of all CNC machines offline/online