



## LIST OF MACHINES

MILLING

<b>5-AXIS VERTICAL MACHINING CENTER</b> (work area: X 762 mm; Y 460 mm; Z 460 mm)	<b>OKUMA MU-400VA</b>
<b>5-AXIS VERTICAL MACHINING CENTER</b> (work area: X 350 mm; Y 550 mm; Z 510 mm)	<b>MAZAK VARIAXIS J-500/5X</b>
<b>5-AXIS VERTICAL MACHINING CENTER</b> (work area: X 350 mm; Y 550 mm; Z 510 mm)	<b>MAZAK VARIAXIS J-500</b>
<b>HORIZONTAL MACHINING CENTER</b> (work area: X 700 mm; Y 800 mm; Z 700 mm)	<b>OKUMA MA50-HA (with Pallet Changer) 2X</b>
<b>VERTICAL MACHINING CENTER</b> (work area: X 762 mm; Y 460 mm; Z 460 mm)	<b>OKUMA MF-46 VA (with Pallet Changer) 2X</b>
<b>VERTICAL MACHINING CENTER</b> (work area: X 760 mm; Y 460 mm; Z 450 mm)	<b>OKUMA MX45VAE (CNC rotary table)</b>
<b>VERTICAL MACHINING CENTER</b> (work area: X 760 mm; Y 460 mm; Z 450 mm)	<b>OKUMA MX45VAE</b>
<b>VERTICAL MACHINING CENTER</b> (work area: X 700 mm; Y 400 mm; Z 300 mm)	<b>BROTHER TC S 2C-0 (CNC rotary table)</b>
<b>VERTICAL MACHINING CENTER</b> (work area: X 420 mm; Y 320 mm; Z 410 mm)	<b>BROTHER R650X2 (with Pallet Changer)</b>
<b>VERTICAL MACHINING CENTER</b> (work area: X 420 mm; Y 320 mm; Z 410 mm)	<b>BROTHER TC-R2B (with Pallet Changer) 2 X</b>
<b>VERTICAL MACHINING CENTER</b> (work area: X 420 mm; Y 320 mm; Z 270 mm)	<b>BROTHER TC-R31A (with Pallet Changer) 2 X</b>

MULTITASKING

<b>Multitasking Turning/Milling</b> (max. bar capacity $\varnothing$ 52 mm; main spindle $\varnothing$ 210 mm)	<b>MAZAK INTEGREGX J-200</b>
<b>Multitasking Turning/Milling</b> (max. bar capacity $\varnothing$ 52 mm; main spindle $\varnothing$ 210 mm) (max. bar capacity $\varnothing$ 52 mm; secondary spindle $\varnothing$ 210 mm)	<b>OKUMA U3000</b>
<b>Multitasking Turning/Milling Center</b> (max. bar capacity $\varnothing$ 70 mm; main spindle $\varnothing$ 250 mm) (max. bar capacity $\varnothing$ 52 mm; secondary spindle $\varnothing$ 210 mm)	<b>OKUMA MULTUS B300W</b>
<b>Multitasking Turning/Milling Center</b> (max. bar capacity $\varnothing$ 70 mm; main spindle $\varnothing$ 250 mm) (max. bar capacity $\varnothing$ 52 mm; secondary spindle $\varnothing$ 210 mm)	<b>OKUMA MAC-TURN 250</b>
<b>Multitasking Turning/Milling Center</b> (max. bar capacity $\varnothing$ 70 mm; main spindle $\varnothing$ 250 mm) (max. bar capacity $\varnothing$ 52 mm; secondary spindle $\varnothing$ 210 mm)	<b>OKUMA MULTUS B200II</b>

**Lathe** **OKUMA LB3000 EX MYW**

(max. bar capacity  $\varnothing$  52 mm; main spindle  $\varnothing$  210 mm)  
 (max. bar capacity  $\varnothing$  52 mm; secondary spindle  $\varnothing$  210 mm)

**Lathe** **MORI SEIKI RL-253**

(Twin spindle  $\varnothing$  250 mm; with gantry loader)

**Lathe** **OKUMA&HOWA 2 SP – 25 HG**

(Twin spindle  $\varnothing$  250 mm; with gantry loader)

**Lathe** **OKUMA LB3000 EX**

(max. bar capacity  $\varnothing$  52 mm; spindle  $\varnothing$  210 mm; L. 500 mm)

**Lathe** **OKUMA LB300**

(max. bar capacity  $\varnothing$  70 mm; spindle  $\varnothing$  250 mm; L. 500 mm)

**Lathe** **OKUMA LB300**

(max. bar capacity  $\varnothing$  52 mm; spindle  $\varnothing$  210 mm; L. 500 mm)

## Measuring instruments

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**3D Measuring Machine** **ZEISS CONTURA G2**

(work area: X 700 mm; Y 1000 mm; Z 500 mm)

## Wire – Cut Electrical Discharge Machining

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**Wire-Cut EDM** **SODICK ALC600G**

(X-Travel : 600 mm; Y-Travel: 400 mm; Z-Travel: 350 mm)

## Laser Marking Machine

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**Fiber laser marking machine** **FOBA LASER M2000-P**

(work area: X 315 mm; Y 225 mm; Z 590 mm; rotary table; vision system IMP2 - New Lightning)

## Finishing and Washing department

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**Sandblasting machine cabinet with integrated filter**

**NORBLAST SD9**

**Ultrasonic Cleaner tank**

**NOVATEC MU-50L LCD**

**Washer-disinfector**

**MIELE GG05 PG 8582 CD**

**Passivation tank**

**NOVATEC WP 50**

## Software

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**Program and simulation system CAD/CAM 5-axis HyperMILL, OPEN MIND**