

## CNC-TURNING CENTERS

### Okuma LT 3000-EX

- Twin spindle turning center with milling tools
- Barfeeder quick load max. 80 mm
- Max. diameter 350 mm
- Distance between noses 1200 mm
- Spindle speed 5000 /min, 30 KW
- C-axis indexing (main & sub) .001 deg.
- Y-axis travel + 70 / - 55



### Okuma LB 3000-EXII

- Twin spindle turning center with milling tools
- Barfeeder quick load max. 80 mm
- Max. diameter 410 mm
- Distance between noses 1000 mm
- Spindle speed 5000 /min, 22 KW
- No. of tools 12
- Rapid Traverse (m/min) X:25 Z:30



### Okuma LT 2000-EX

- Twin spindle turning center with milling tools
- Barfeeder quick load max. 65 mm
- Max. diameter 210 mm
- Distance between noses 960 mm
- Spindle speed 6000 /min
- C-axis indexing (main & sub) .001 deg.
- Y-axis travel + 50 / - 45



## CNC-TURNING CENTERS

### Okuma LT 2000-EX high pressure coolant

- Twin spindle turning center with milling tools
- Barfeeder quick load max. 65 mm
- Max. diameter 210 mm
- Distance between noses 960 mm
- Spindle speed 6000 /min
- C-axis indexing (main & sub) .001 deg.
- Y-axis travel + 50 / - 45



### Okuma LT 200-MY

- Twin spindle turning center with milling tools
- Barfeeder quick load max. 65 mm
- Max. diameter 210 mm
- Distance between noses 960 mm
- Spindle speed 6000 /min
- C-axis indexing (main & sub) .001 deg.
- Y-axis travel + 40 / - 50



### Okuma Multus B300-W

- Twin spindle multitasking machine
- Barfeeder quick load max. 65 mm
- Max. diameter 340 mm
- Distance between noses 1022 mm
- Spindle speed 6000 /min, 22 kW



## CNC-TURNING CENTERS

### Okuma LB 2000-EX

- Turning center with milling tools
- Barfeeder quick load max. 52 mm
- Max. diameter 210 mm
- Distance between noses 280 mm
- Spindle speed 6000 /min, 11.2 kW



### Okuma LB 300-M (4x)

- Turning center with milling tools
- Barfeeder quick load max. 68 mm
- Max. diameter 340 mm
- Distance between noses 1022 mm
- Spindle speed 6000 /min, 22 kW



### Okuma LB 300-M MY

- Turning center with milling tools
- Barfeeder quick load max. 68 mm
- Max. diameter 340 mm
- Distance between noses 1022 mm
- Spindle speed 6000 /min, 22 kW



## CNC-TURNING CENTERS

### Okuma LB 15II-M

- Turning center with milling tools
- Max. diameter 340 mm
- Distance between noses 502 mm
- Spindle speed 4500 /min, 15 kW



### Okuma LCS-15 + Fanuc Robot

- Max. diameter 210 mm
- Distance between noses 280 mm
- Robot with takt table



### Okuma LB 10 M

- Turning center with milling Tools
- Max. diameter 200 mm
- Spindle speed 7000 /min
- Quick load bar feeder big bore 50 mm



## CNC-TURNING CENTERS

### Monforts Unicen 500

- Multitasking machine
- Max. diameter 600 mm
- Distance between noses 1500 mm
- Spindle speed 4000 /min, 34.5 kW



### CNC Traub TND 200

- Turning center with milling Tools
- Barfeeder LNS super hydrobar hys 6.42 4.4 HS max 42 mm
- Max. diameter 200 mm
- Distance between noses 235 mm
- Spindle speed 5000 /min, 7,5 kW



### CNC Traub TNA 300 (2x)

- Turning center with milling tools
- Barfeeder LNS super hydrobar hys 6.42 4.4 HS max. 42 mm
- Max. diameter 200 mm
- Distance between noses 445 mm
- Spindle speed 4000 /min, 11 kW



## CNC-TURNING CENTERS

### AccuWay UT-300 with Gantry Loader

- Max. diameter 450 mm
- Distance between noses 700 mm
- Renishaw toolsetter, Renishaw probe
- Spindle speed 3500 /min, 18,5 kW
- Bar feeder 75 mm
- Tools VDI 40:12x



### AccuWay UT-380M

- Max. diameter 680 mm
- Distance between noses 630 mm
- Spindle speed 1800 /min, 22 kW



## CNC-MACHINE CENTERS VERTICAL

### AccuWay UM 110 (2 x) with Gantry Loader

- 4-Axis Fanuc control, max. diameter 400 mm (4th-axis)
- Spindle BT40, internal Cooling 8000 /min, 18,5 kW
- X/Y/Z 1100/550/550 mm
- Feedrate 50 m/min
- ATC 24 tools, max. diameter 150 mm
- Renishaw tool detection



### Okuma M560-V-E

- Table size [mm] 1,300 x 560
- Axis travel [mm] X: 1,050 / Y: 560 / Z: 460
- Spindle speed [min-1]: 15,000
- No. of tools: 32
- Rapid traverse [m/min]: X: 40 / Y: 40 / Z: 32



### Okuma MC-40

- ATC 20 tools
- X/Y/Z 800/500/500 mm
- Spindle BT40 6000 /min, 11 kW



## Mazak Variaxis 500-5x 2

- 5-axis
- X/Y/Z 510/510/510 mm
- A: 120° - 30°
- C: ±360°
- Spindle 12000 /min, 22 kW





## CNC-MACHINE CENTERS HORIZONTAL

### Okuma MA-500 HA

- X/Y/Z 700/900/780 mm
- APC500x500 mm (2x)
- Max product weight 800 kg
- Spindle SK5030 kW, 6000 /min
- ATC40 tools
- Internal high pressure 70 bar
- Feed rate 60 m/min



### Okuma Multus U4000

- Distance between centers 1500 mm!
- Max. 12000 /min
- 80 tools
- Internal high pressure 70 bar
- Feed rate 60 m/min



## AIRCONDITIONED MEASURING ROOM

### CMM Mitutoyo

- X/Y/Z 900/1000/600 mm
- Profile projector



## VARIOUS MACHINES & TOOLS

- 2 automatic bandsawing machines
- Washing machine
- Vibratory finishing

