

## Rotary machining – vertical turret lathes

CNC twin spindle vertical lathe HESSAPP DV 122, Sinumerik 3 T / 3 TT

Swing diameter: Ø 1300 mm, max. turning diameter: Ø 1200 mm, max. turning length: 800 mm,  
input power: 60 kW, tool changer with 12 tools

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2 CNC 4-axis vertical lathes Doosan V850T, Fanuc 18 i TB

Swing diameter: Ø 1000 mm, max. turning diameter: Ø 850 mm, max. turning length: 850 mm,  
2 spindles, input power: 30 kW each, 2 tool changers with 12 tools

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CNC 4-axial vertical lathe Doosan Puma V400-2SP, Fanuc 31 i A

Swing diameter: Ø 496 mm, max. turning diameter: Ø 400 mm, max. turning length: 461 mm,  
2 spindles, input power: 22 kW each, 2 tool changers with 12 tools

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2 CNC 2-axial vertical lathes Doosan Puma V8300, Fanuc F0i-T

Swing diameter: Ø 850 mm, max. turning diameter: Ø 830 mm, max. turning length: 750 mm,  
input power: 45 kW, tool changer with 12 tools

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## Rotary machining – inclined-bed machines

CNC lathe Victor V-Turn-A26, Fanuc Serie 0i-TD

Swing diameter: Ø 700 mm, max. turning diameter: Ø 350 mm, max. turning length: 910 mm,  
input power: 22 kW, tool revolver with 12 tools

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CNC lathe Victor V-Turn-36, Fanuc Serie 18-T

Swing diameter: Ø 650 mm, max. turning diameter: Ø 500 mm, max. turning length: 1255 mm,  
input power: 40 kW, tool revolver with 12 tools

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CNC lathe Victor V-Turn-V40, Fanuc Serie 21i-TB

Swing diameter: Ø 720 mm, max. turning diameter: Ø 500 mm, max. turning length: 2000 mm,  
input power: 37 kW, tool revolver with 12 tools

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CNC lathe STOREBRO STB 2000, Sinumerik 810 T

Swing diameter: Ø 410 mm, max. turning diameter: Ø 260 mm, swing diameter over cross slide: Ø 240 mm,  
max. turning length: 660 mm, input power: 22 kW, tool revolver with 12 tools

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## Electrical discharge machining

Die-sinking machine Agietron Integral 3

4-axis-CNC-continuous path control, 28-fold electrode charger, support surface: L = 800 mm / W = 600 mm, work-piece height max.: 500 mm, work container: L = 1070 mm / W = 735 mm / H = 450 mm, workpiece weight max.: 800 kg

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## Laser marking

Laser marking workstation: Elektrox Maxbox Plus

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## Measuring

Coordinate measuring machine Wenzel

Working range: L = 2400 mm / W = 1200 mm / H = 800 mm

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Coordinate measuring machine Mora

Working range: L = 1000 mm / W = 1200 mm / H = 800 mm

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Faro measuring arm

Scanning and tactile measuring

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## Cubic machining

**CNC moving column machining centre Matec-30 HV/K, 5-axis, Heidenhain iTNC 530**

Working range: X = 1300 mm / Y = 600 mm / Z = 800 mm, NC torque swivel head: B = ± 105 degrees, NC torque rotary table faceplate diameter: C = Ø 630 mm, tool changer with 36 tool positions HSK63

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**CNC moving column machining centre Ibarmia ZHV-42/3000, 5-axis, Heidenhain TNC 530i**

Working range (with partition wall 2 times 1215 mm): X = 3000 mm / Y = 800 mm / Z = 800 mm, NC torque swivel head: B = ± 105 degrees, NC torque rotary table faceplate diameter: C = Ø 800 mm, tool changer with 60 tool positions HSK63

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**CNC horizontal machining centre OKK HM 63, Fanuc 16 i MC**

Working range: X = 1000 mm / Y = 850 mm / Z = 820 mm, pallet: 630 x 630 mm, automatic rotary pallet changer, chain magazine BISO 120 tool positions

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**CNC horizontal machining centre OKK HM 500, Fanuc 31i Model A5**

Working range: X = 630 mm / Y = 620 mm / Z = 710 mm, pallet: 500 x 500 mm, automatic rotary pallet changer, chain magazine BISO 120 tool positions BT 50

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**CNC horizontal machining centre HELLER HF-5500 APC, 5-axis, Siemens 840D solution line**

Working range: X = 900 mm / Y = 950 mm / Z = 900 mm, NC swivel rotary table +45° to -180°, 2 pallet unit 500 x 630 mm, tool magazine with 100 tools HSK-100

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**Bed type milling machine Heller PFU 3, Pro NC 80-C**

Working range: X = 1800 mm / Y = 710 mm / Z = 800 mm, tool changer with 24 tools SK 50

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**CNC vertical machining centre Doosan DNM 4500, Fanuc F0i-T**

Working range: X = 800 mm / Y = 450 mm / Z = 510 mm, tool changer with 30 tools BT-40

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**CNC universal tool milling machine Mikron WF 61C, Heidenhain TNC 355**

Working range: X = 800 mm / Y = 500 mm / Z = 460 mm, tool changer with 18 tools ISO 40

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**CNC vertical milling machine Bridgeport XR1000, Fanuc 18iMB**

Working range: X = 1020 mm / Y = 610 mm / Z = 610 mm, tool changer with 24 tools SK 40

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## Flat, plunge-cut and profile grinding

**5 Mägerle F-12-V-R-S1**

Working range: L = 1200 mm / W = 320 mm / H = 300 mm

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**1 Mägerle F-120-S4.11**

Working range: L = 1200 mm / W = 500 mm / H = 500 mm

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**1 Mägerle F-100-R**

Working range: L = 1000 mm / W = 500 mm / H = 500 mm

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**1 Mägerle FPK-10-S4.2**

Working range: L = 1000 mm / W = 320 mm / H = 500 mm

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**1 Mägerle FDK-15-S4.2**

Working range: L = 1500 mm / W = 320 mm / H = 300 mm

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**1 Blohm Precimat 306, easy touch control**

Working range: L = 600 mm / W = 300 mm / H = 450 mm

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**2 Strausak 57 W**

Working range: L = 500 mm / W = 250 mm / H = 175 mm

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