



### Special offer

Inventory number: 19561

5-axis machining center  
DMG DMU 60 P hy-din  
HEIDENHAIN MillPlus /3R-WorkMaster  
+3R-WorkShopManager  
2001



Price: 45,000.00 CHF

Machines in special offers are sold in AS-IS condition,  
<br>without any functional guarantee or mechanical/technical inspection from our side.  
<br>

### Technical data

|                              |           |
|------------------------------|-----------|
| Number of axis simultaneous  | 5         |
| Number of tables             | 1         |
| Number of spindles           | 1         |
| Circularly table diameter    | 630 mm    |
| Number of T-channels         | 9         |
| Distance of the T-slots      | 63 mm     |
| T-channel width              | 14H7 mm   |
| Centering bore diameter      | 50H6 mm   |
| Longitudinal travel (X-axis) | 600 mm    |
| Transversal travel (y-axis)  | 700 mm    |
| Vertical travel (z axis)     | 600 mm    |
| Dimension of the workpice:   |           |
| Height                       | 1000 mm   |
| Diameter                     | 920 mm    |
| Table load max.              | 500 kg    |
| Table divisions (B)          | 360 °     |
| A axis                       |           |
| Swivel angle (a-axis)        | +45/-30 ° |
| Holding torque A-axis        | 3866 Nm   |
| Clamping torque C-axis       | 6008 Nm   |
| Torque max.                  | 2650 Nm   |

Tool changer:

|                                     |        |
|-------------------------------------|--------|
| Number of tools                     | 180    |
| Tool diameter                       | 80 mm  |
| Diameter with free adjacent pockets | 160 mm |
| Tool length                         | 350 mm |
| Max. tool-weight                    | 10 kg  |

Spindle nose SK 40 DIN 69871

Spindle speeds:

|          |           |
|----------|-----------|
| stepless |           |
| up to    | 18000 rpm |

Feeds:

|                   |              |
|-------------------|--------------|
| stepless          |              |
| longitudinal from | 20 mm/min    |
| up to             | 15000 mm/min |
| transversal from  | 20 mm/min    |
| up to             | 15000 mm/min |
| vertical from     | 20 mm/min    |
| up to             | 15000 mm/min |

Rapid traverse: 40 m/min

Measurement system:

|                        |               |
|------------------------|---------------|
| Resolution             | 0.001 $\mu$ m |
| Air connect            | 5 - 8 bar     |
| Voltage 50 Hz 3x       | 400 Volt      |
| Total power required   | 44 kVA        |
| Noise level            | 80 dB (A)     |
| Machine's weight about | 7500 kg       |

Overall dimensions machine:

|        |         |
|--------|---------|
| Length | 7500 mm |
| Width  | 4500 mm |
| Height | 2628 mm |

Various accessories:

|                                |               |
|--------------------------------|---------------|
| Set of toolholders             | SK 40 ca 150x |
| High pression colant device    | 40 bar        |
| Coolant through spindle (cts)  |               |
| Tool setter Renishaw           |               |
| Lamp                           |               |
| Rotating viewing window        |               |
| Switch cabinet Air conditioner |               |























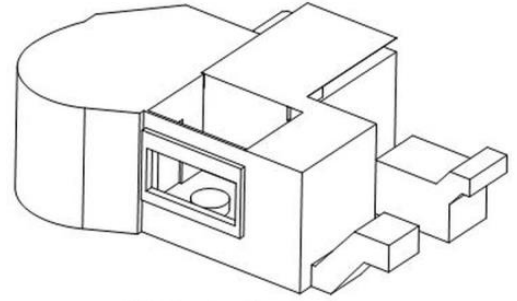
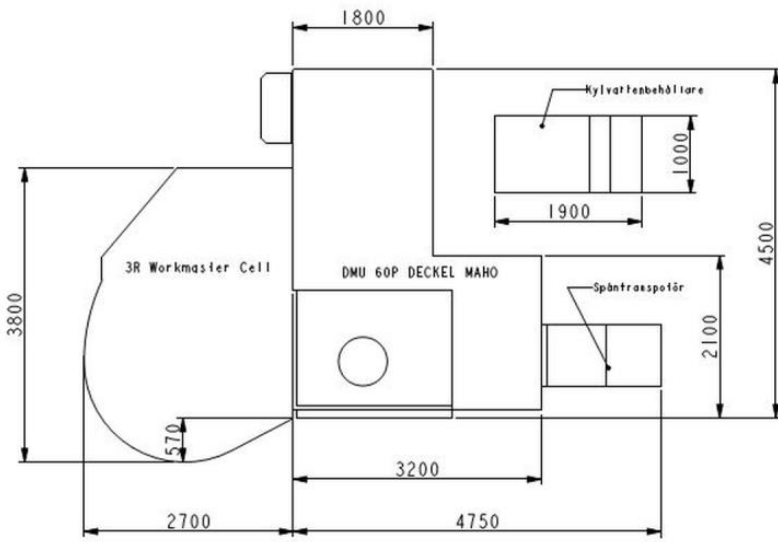
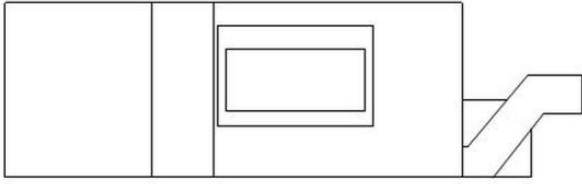












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