

# CNC machine

with servo motor drive

**OverHead**<sup>®</sup>
**UNSER TOP-SELLER!**
**Features**

- Compact footprint size
- Free floor standing design
- Large open machining area
- High Z-axis clearance for deep tool machining



Interesting application videos can be found on our YouTube channel. Just take a look!


**We offer FINANCING!**


**OverHead M40**  
with control panel iOP-19-TFT

## Technical specifications

|                                      | OverHead M20                                                                                                                                                                                            | OverHead M30        | OverHead M40        | OverHead M50        | OverHead M60        |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Processing areas X/Y/Z [mm]</b>   | 710 / 610 / 310                                                                                                                                                                                         | 710 / 910 / 310     | 1210 / 910 / 310    | 1210 / 1410 / 310   | 1510 / 1710 / 310   |
| <b>Bench clamping area WxD [mm]</b>  | 1100 x 1000                                                                                                                                                                                             | 1100 x 1300         | 1600 x 1300         | 1600 x 1800         | 1750 x 2000         |
| <b>Gap [mm]</b>                      | 340 (590)                                                                                                                                                                                               |                     |                     |                     |                     |
| <b>Dimensions WxDxH [mm]</b>         | 1400 x 1200 x 1960                                                                                                                                                                                      | 1400 x 1500 x 1960  | 1900 x 1500 x 1960  | 1900 x 2000 x 1960  | 2245 x 2400 x 1970  |
| <b>Processing speed X/Y/Z [mm/s]</b> | 250                                                                                                                                                                                                     |                     |                     |                     |                     |
| <b>Drive motors</b>                  | EC servo motors                                                                                                                                                                                         |                     |                     |                     |                     |
| <b>Drive elements X/Y/Z</b>          | Recirculation ball screws 16 x 10 / 16 x 10 / 16 x 5 mm, adjustable for no play                                                                                                                         |                     |                     |                     |                     |
| <b>Controller</b>                    | iMD CAN controller with 4 drive controllers, expandable to 12 axes (max. 6 interpolated & 6 handling axes), PC, I/O module, safety circuit with rest state monitoring, power supply unit 48 V / 1,000 W |                     |                     |                     |                     |
| <b>Operation</b>                     | control panel iOP-19-TFT                                                                                                                                                                                |                     |                     |                     |                     |
| <b>Weight (kg)</b>                   | appr. 525 kg                                                                                                                                                                                            | appr. 600 kg        | appr. . 700 kg      | appr. 800 kg        | appr. 1100 kg       |
| <b>Software</b>                      | Windows, WinRemote (optional: ProNC)                                                                                                                                                                    |                     |                     |                     |                     |
| <b>Connection values</b>             | 400 V / 16 A                                                                                                                                                                                            |                     |                     |                     |                     |
| <b>Part-no.</b>                      | <b>276223 56165</b>                                                                                                                                                                                     | <b>276233 56165</b> | <b>276243 56165</b> | <b>276253 56165</b> | <b>276263 56165</b> |

# CNC machine

## with servo motor drive

**OverHead**<sup>®</sup>

### Features

- twin Y-axis gantry fully synchronised with Software ProNC
- CAN-bus control system with brushless servo motors for all axes
- T-slot table top for easy clamping of workpieces and accessories
- gantry clearance options from 340mm to 590mm
- maximum spindle motor size iSA 2200
- linear motion upto 250mm/sec.
- control panel iOP-19-TFT
- control PC iPC 25 including PCI card Win 7/64 bit

### Areas of application

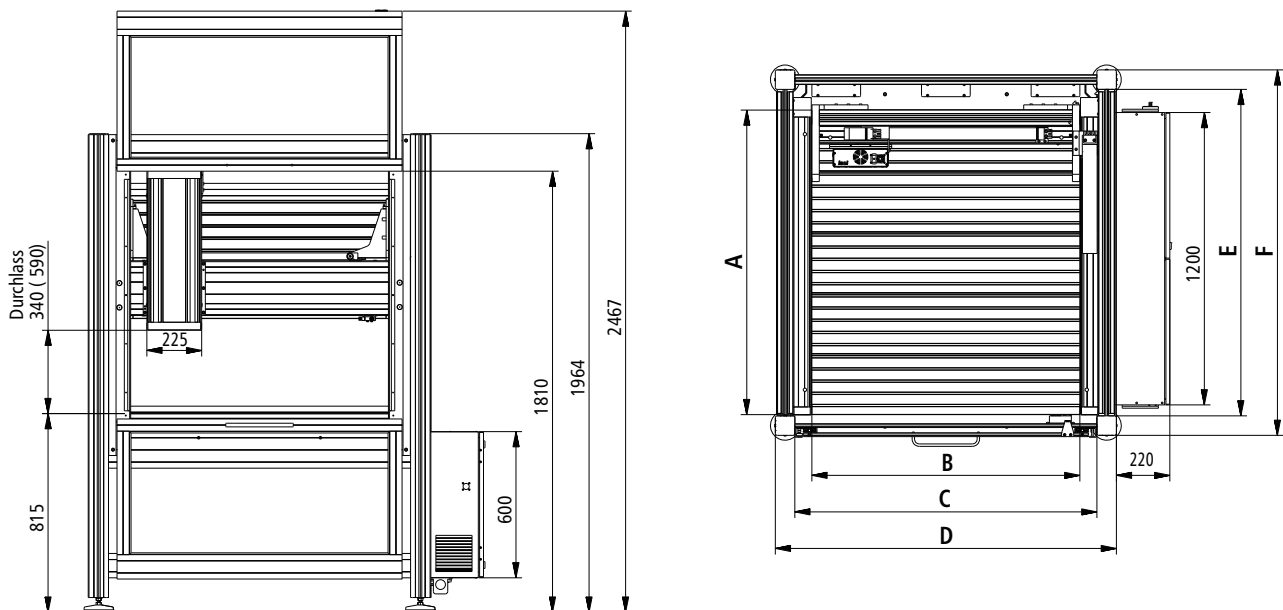
- machining
  - testing and measuring
  - glue dispensing
- For the machining of:
- light metals
  - non-ferrous metals (brass, bronze etc...)
  - CFRP
  - ceramic
  - plastics
  - wood

### Options

- cooling spray device
- blade tray
- tool length sensor
- spindle motors (up to iSA2200 applicable)
- round changing systems SK 11 and SK 20
- linear changing systems SK 11 and SK 20
- 4th axis with tailstock unit
- 4th + 5th axis as rotary tilting unit
- LED-lighting

Overview machine configuration  
see page E-21

### Dimensioned drawings



|                            | A    | B    | C    | D    | E    | F    |
|----------------------------|------|------|------|------|------|------|
| <b>Gantry OverHead M20</b> | 1000 | 1100 | 1240 | 1400 | 1040 | 1200 |
| <b>Gantry OverHead M30</b> | 1250 | 1100 | 1240 | 1400 | 1340 | 1500 |
| <b>Gantry OverHead M40</b> | 1250 | 1600 | 1740 | 1900 | 1340 | 1500 |
| <b>Gantry OverHead M50</b> | 1750 | 1600 | 1740 | 1900 | 1840 | 2000 |
| <b>Gantry OverHead M60</b> | 2000 | 1750 | 2150 | 2400 | 1995 | 2245 |

Technical specifications subject to change.