

CNC machine

with servo motor drive

OverHead[®]
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 |
|--------------------------------------|---|---------------------|---------------------|---------------------|---------------------|
| Processing areas X/Y/Z [mm] | 710 / 610 / 310 | 710 / 910 / 310 | 1210 / 910 / 310 | 1210 / 1410 / 310 | 1510 / 1710 / 310 |
| Bench clamping area WxD [mm] | 1100 x 1000 | 1100 x 1300 | 1600 x 1300 | 1600 x 1800 | 1750 x 2000 |
| Gap [mm] | 340 (590) | | | | |
| Dimensions WxDxH [mm] | 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 |
| Processing speed X/Y/Z [mm/s] | 250 | | | | |
| Drive motors | EC servo motors | | | | |
| Drive elements X/Y/Z | Recirculation ball screws 16 x 10 / 16 x 10 / 16 x 5 mm, adjustable for no play | | | | |
| Controller | 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 | | | | |
| Operation | control panel iOP-19-TFT | | | | |
| Weight (kg) | appr. 525 kg | appr. 600 kg | appr. . 700 kg | appr. 800 kg | appr. 1100 kg |
| Software | Windows, WinRemote (optional: ProNC) | | | | |
| Connection values | 400 V / 16 A | | | | |
| Part-no. | 276223 56165 | 276233 56165 | 276243 56165 | 276253 56165 | 276263 56165 |

CNC machine

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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

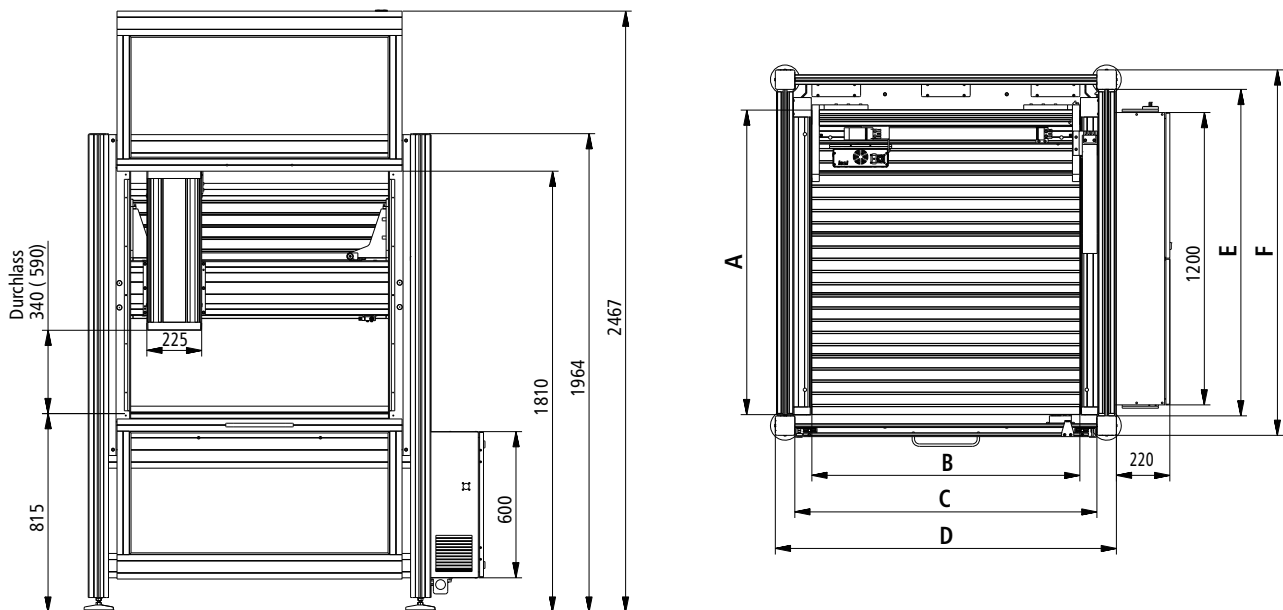
- machining
 - testing and measuring
 - glue dispensing
- For the machining of:
- light metals
 - non-ferrous metals (brass, bronze etc...)
 - CFRP
 - ceramic
 - plastics
 - wood

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 |
|----------------------------|------|------|------|------|------|------|
| Gantry OverHead M20 | 1000 | 1100 | 1240 | 1400 | 1040 | 1200 |
| Gantry OverHead M30 | 1250 | 1100 | 1240 | 1400 | 1340 | 1500 |
| Gantry OverHead M40 | 1250 | 1600 | 1740 | 1900 | 1340 | 1500 |
| Gantry OverHead M50 | 1750 | 1600 | 1740 | 1900 | 1840 | 2000 |
| Gantry OverHead M60 | 2000 | 1750 | 2150 | 2400 | 1995 | 2245 |

Technical specifications subject to change.