

# CNC machine

with servo motor drive

# OverHead®

**OUR TOP SELLER !**

## Features

- compact footprint size
- Free floor standing design
- Large open machining area
- High z-Axis clearance for deep tool machining

**OverHead M30**  
with control panel iOP-19-TFT



## Technical specifications

\* Dimensions with control cabinet and open door.

	OverHead M20	OverHead M30	OverHead M40	OverHead M50
Processing areas X/Y/Z [mm]	710 / 610 / 310	710 / 910 / 310	1210 / 910 / 310	1210 / 1410 / 310
Bench clamping area WxD [mm]	1100 x 1000	1100 x 1300	1600 x 1300	1600 x 1800
Gap [mm]	340			
Dimensions WxDxH [mm]	1440 x 1240 x 2214	1440 x 1540 x 2214	1940 x 1540 x 2214	1940 x 2040 x 2214
Dimensions* WxDxH [mm]	1725 x 1240 x 2466	1689 x 1540 x 2414	2189 x 1540 x 2467	2225 x 2040 x 2467
Processing speed X/Y/Z [mm/s]	250			
Repeat accuracy [mm]	± 0.02			
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), iPC, E/A module, PILZ safety-sps circuit with rest state monitoring, power supply unit 48V/1000 W			
Operation	Bedienpanel iOP-19-TFT			
Weight (kg)	ca. 650 kg	ca. 675 kg	ca. 700 kg	ca. 875 kg
Software	Windows, WinRemote (optional: ProNC)			
Connection values	400 V / 16 A			
Part-no.	<b>278020 343443</b>	<b>278021 343443</b>	<b>278022 343443</b>	<b>278023 343443</b>

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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
- backlash-free adjusted steel KG drives with steel linear guides
- variable gap from 340 mm to 590 mm
- Spindle motors iSA 500 / 750 / 1500 / 1500L and iSA 900 / 1500W / 1500WL / 2200
- Speed: 250mm/sec possible
- swivelling control panel iOP-19-TFT
- Control PC iPC 25 incl. PCI card Win 7 / 64 bit
- network connection

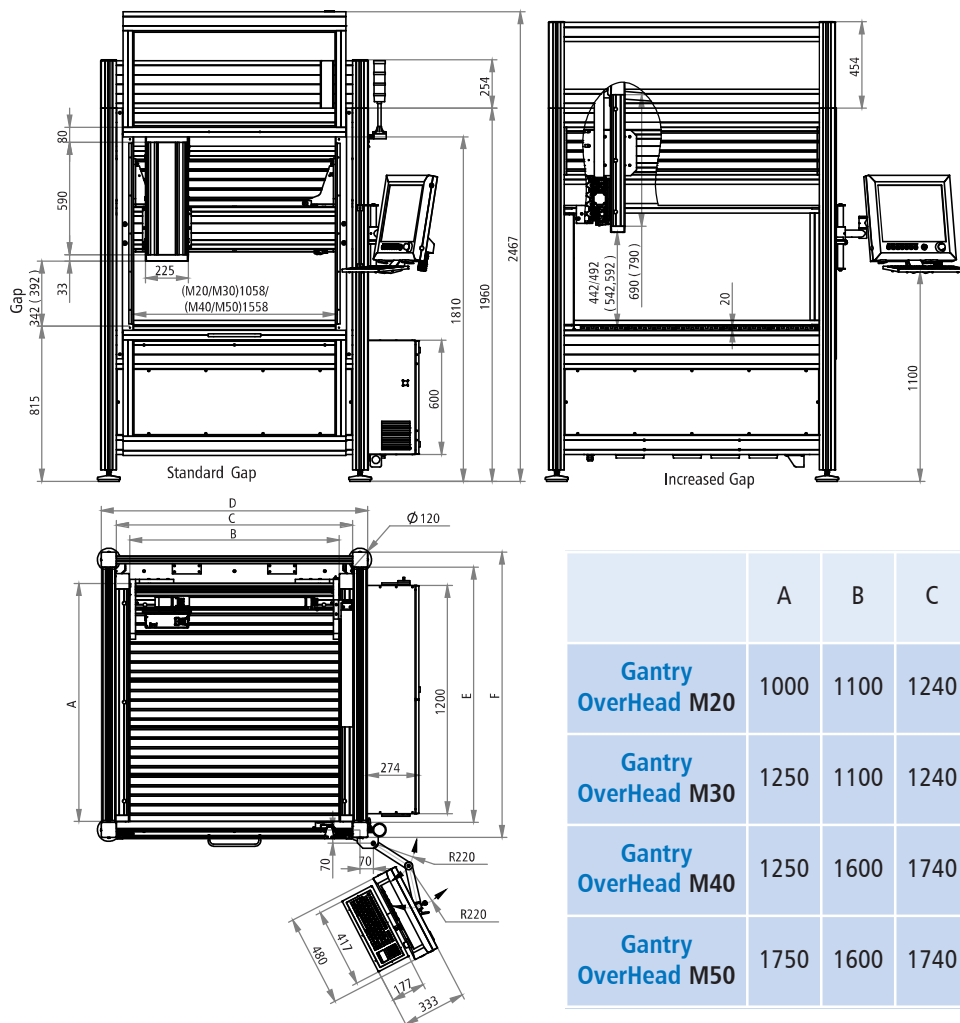
## Areas of application

- machining
  - measurement and testing
  - dispensing applications
- For editing:
- aluminium / light metals
  - milled plastics
  - ceramics
  - Non-ferrous metals (brass, bronze, etc...)
  - plastics
  - woodz

## Options

- Cooling spray device
- chip tray
- Tool length probe
- Spindle motors (can be used up to iSA2200)
- Rotary 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 swivel axis
- Engine room lighting LED

## Dimensioned drawings



Technical specifications subject to change.