

Versatility and easy retrofitting - the universal milling machines for workshops - with digital position display DPA 2000

Convincing arguments: quality, efficiency and price

- Multi-purpose range of application
- Robust machine construction
- Very smooth running due to ground oil-quenched gear wheels
- Heavy, compact model made of high-grade Meehanite casting
- All guideways hardened and adjustable via V-ledge
- Central lubricating
- Largely dimensioned handwheels with scale
- Optimum LED machine lamp
- Coolant equipment
- Easy operation of the switching elements for the speed alternation
- Solid rectangular guideways of the Y and Z axis

OPTi Operating panel

- Integrated control panel
- Integrated position display
- Turnable round the own axis



Milling head

- Two turning axes
- Scales
- Slewable and turnable to any free dimensional angle

Cross table

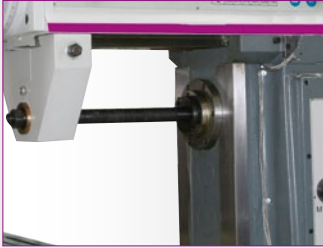
- Solid
- Precise
- Largely dimensioned
- Precisely machined at the surface
- T-slots
- Adjustable V-ledges

Fig.: OPTi mill MT 200

Fig.: OPTi mill MT100

Technical data and accessories

Convincing arguments ...



Horizontal milling position (MT 200)

- For operations in horizontal milling position with counter support and support for side milling cutters,
- Adjustable slide bearing

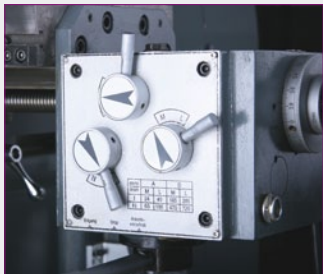


Table feed

- Automatic
- Table feed in X Y and Z axis



Digital position display DPA 2000

- Considerable reduction of the manufacturing times
- Easy-to-operate
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

Type	MT 100	MT 200
Item No	333 6110	333 6120
Machine datas		
Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
Total connected load	3.6 kW	9.2 kW
Motor vertical spindle	2.2 kW	4 kW
Motor horizontal spindle	-	4 kW
Spindle seat		
Spindle seat	ISO 40 DIN 2080	ISO 50 DIN 2080
Draw-in rod	M16	M24
Drilling capacity in steel (S235JR)	Ø 20 mm	Ø 30 mm
Continuous drilling capacity in steel (S235JR)	Ø 18 mm	Ø 28 mm
Milling head dimension max.	Ø 85 mm	Ø 100 mm
End mill dimension max.	Ø 16 mm	Ø 20 mm
Spindle seat vertical		
Spindle speed	40 - 1'600 min ⁻¹	60 - 1'750 min ⁻¹
Gear stages	11 steps	12 steps
Distance spindle - cross table	90 - 520 mm	140 - 540 mm
Slewing-/turning range	360°	360°
Spindle seat horizontal		
Distance spindle - cross table	-	0 - 400 mm
Spindle speed	-	58 - 1'800 min ⁻¹
Gear stages	-	12 steps
Cross table		
Table length x width	1'120 x 260 mm	1'320 x 360 mm
Table feed (9 steps)	18 - 310 mm/min	22 - 420 mm/min
Load of cross table (max.)	350 kg	450 kg
T-slot size / distance / number	14 mm / 63 mm / 3	14 mm / 95 mm / 3
Turnable cross table	-	35°
X axis		
Travel	600 mm	1,290 mm
Table feed	24 - 402 mm/min	22 - 420 mm/min
Table feed rapid feed	402 mm/min	1'290 mm/min
Power feed motor	370 W	1.1 kW
Y axis		
Travel	270 mm	280 mm
Table feed	24 - 402 mm/min	22 - 393 mm/min
Table feed rapid feed	402 mm/min	1'205 mm/min
Power feed motor	370 W	1.1 kW
Z axis		
Travel	380 mm	400 mm
Table feed automatic	-	10 - 168 mm/min
Table feed rapid feed	402 mm/min	513 mm/min
Power feed motor	750 W	1.1 kW
Coolant pump		
Pump capacity	40 watts	90 watts
Dimensions		
Length x Width x Height	2'500 x 2'300 x 1'850 mm	3'340 x 2'200 x 1'920 mm
Total weight	1'300 kg	2'220 kg

Standard equipment

- Seat for side milling cutter as standard Ø 22 mm
- Collet chuck Ø 4 - Ø 16 mm
- Seat of milling cutter ISO40/ Ø32 mm
- Operating tool
- 2 seats for side milling cutters Ø 22 mm and Ø27 mm
- Seat of milling cutter ISO 50 Ø32 mm
- Adapter ISO 50 / MT4
- Collet chuck Ø 4 - Ø 26 mm