

Drilling-milling machine

OPTImill MH 22VD

Stable, with electronically infinitely adjustable drive and digital position display
DRO 5

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3338136

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Milling machines
conventional » OPTImill MH 22V / MH 22VD



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	917 mm	Gross	146 kg	Delivery	Carrier	DualUse	✘
Width	770 mm	Net	119 kg	Content	1 pc(s).	SCIP	n/a
Height	714 mm					SVHC	No



Description ▼

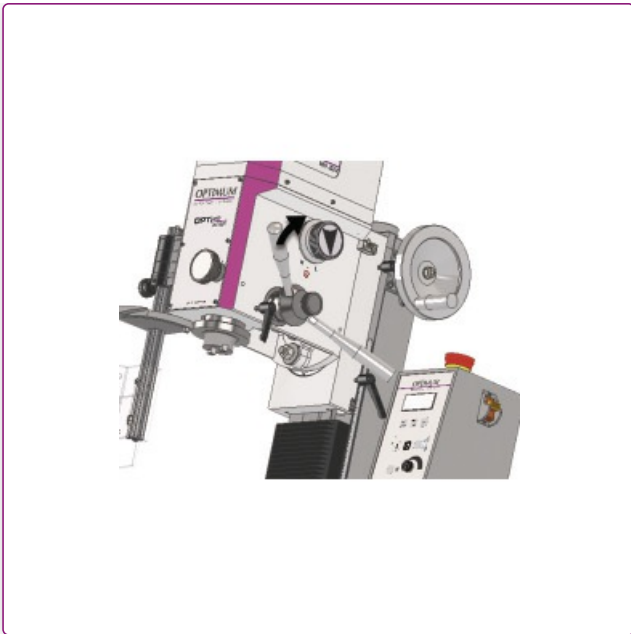
- Precisely processed
- Clear control panel with user-friendly membrane keypad
- Safety electrics in 24 volt version
- Easy-to-read digital display for speed and drilling depth
- Emergency stop switch
- Motor with two-stage gear ratio for powerful transmission of engine power
- Powerful DC motor with permanent power monitoring
- Control electronics with integrated relay control
- Drilling milling head can be tilted by $\pm 60^\circ$, for milling and drilling work at any angle
- Feed spindles play-free adjustable by adjustable spindle nuts
- Right/Left Run
- Machine lamp
- High concentricity measured by tapered roller bearings of ≤ 0.015 mm in the pinole
- Stable swallowtail guide with adjustable wedge strips
- Massive precise surface-worked cross table with T-slots
- Adjustable end stops
- Drilling for light oiling of the trapezoidal spindle
- Two-row angular ball bearings in the axes, play-free adjustable
- Height-adjustable protective screen with microswitch, against flying chips and parts, for maximum protection of the user
- Fine feed
- X-, Y- and Z-axis with prepared groove for subsequent assembly of the magnetic tapes
- Bellows as guide protection
- Mechanical quick-release clamping system
- With digital position indicator DRO 5

Media informations ▼



Energy chain

- Gentle cable routing



Mechanical quick-change clamping system

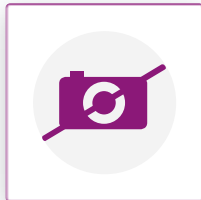
- The milling head is equipped with a collet for tightening bolts BT20x45 °
- Easy change by moving the quill lever upwards

Technical data ▼

Dimensions and weights			
Length (product) approx.	745 mm	Width/depth (product) approx.	650 mm
Height (product) approx.	950 mm	Net weight approx.	120 kg
Drilling/milling head			
Mill head swivel range	± 60 °		
Drilling/milling output			
Drilling performance steel (S235JR)	20 mm	Max. size milling head	52 mm
Max. size shaft milling cutter	12 mm	Continuous drilling performance steel (S235JR)	16 mm
Electrical Data			
Drive motor output	0.95 kW	Supply voltage	230 V
Mains frequency	50 Hz		
Milling table horizontal			
Horizontal milling table length	700 mm	Horizontal milling table width	180 mm
Horizontal milling table T-groove size	12 mm	Horizontal milling table T-groove number	3
Horizontal milling table T-groove spacing	63 mm	Horizontal milling table max. load bearing capacity	50 kg
Cross table			
Clearance vertical spindle - cross table	360 mm		
Standards and certifications			
Standard	DIN EN 55011	EMC level	C2
Travel			
Travel X axis manual	480 mm	Travel Y axis manual	175 mm
Travel Z axis manual	270 mm		
Vertical spindle			

Vertical spindle reach	170 mm	Vertical spindle spindle chuck	BT 20
Vertical spindle speed range	90 – 3000 min ⁻¹	Vertical spindle number of gears	2
Vertical spindle speed control	electronic	Vertical spindle quill diameter	60 mm
Vertical spindle quill stroke	45 mm		

Accessories



Starter kit

BT 20

Article number 

3353281

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Cutter head holder

16mm - BT20

Article number 

3352728

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Tool holder

BT 20 - B16

Article number 

3352727

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Weldon holder BT 20

Ø 6 mm

Article number 

3352732

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Weldon holder BT 20

Ø 8 mm

Article number 

3352734

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Weldon holder BT 20

Ø 10 mm

Article number 

3352736

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Weldon holder BT 20

Ø 12 mm

Article number ▼

3352738

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Collet chuck

ER16

Article number ▼

3352741

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Collet holder key

HE 16

Article number ▼

3352742

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Collet set

ER 16, 1 - 10 mm

Article number ▼

3440282

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Pull stud

BT 20

Article number ▼

3352726

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Keyless drill chuck

DKC13 1-13 mm

Article number ▼

3050632

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End mill set

HSS, 12-piece

Article number ▼

3352250

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Mounting kit
for DRO5 on MH20V/MH22V

Article number ▼
3383990

OPTIMUM®
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Universal base
MSM 1 340 x 420 x 800 mm

Article number ▼
3353000

OPTIMUM®
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Chip tray
720 x 470 x 30 mm

Article number ▼
3352999

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Precision machine vice
FMS 100

Article number ▼
3354100

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Precision machine vice
FMSN 100

Article number ▼
3354110

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Milling machine vise
VMQ 80
Robust design for milling, drilling and grinding

Article number ▼
3354180

OPTIMUM®
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Milling machine vise
VMQ 100
Robust design for milling, drilling and grinding

Article number ▼
3354181

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Three axis vise

MV3-75

Horizontal swivel movement up to 90 °

Article number ▼

3354175

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Two axis vise

ZAS 50

Article number ▼

3354170

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End mill set

HSS, 20-piece

Article number ▼

3352255

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Twist Drill Set

25 pieces, 1 - 13 mm

Article number ▼

3201010

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Twist Drill Set

41-piece, 6 - 10 mm (0.1 mm rising)

Article number ▼

3201021

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Milling set
carbide, 18-piece

Article number ▼
3352118

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Milling set
radius, 9-piece

Article number ▼
3352116

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Clamping tool kit
SPW 10

Article number ▼
3352016

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Edge finder
Diameter 10 mm

Article number ▼
3351171

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Precision quick-action drill chuck
1-10 mm, B16

Article number ▼
3050610

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Keyless drill chuck DKC16 1-16 mm

Article number ▼
3050633

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Shaft BT 20

Univ. Insert, for processing on all steel and non-ferrous metals

Article number ▼
3350202

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Collet set ER 25, Ø 1-16 mm

Article number ▼
3441109

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Prism WP 30

Article number ▼
3352195

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Tapping attachment M5 - M12 / B16

Built-in fast reverse, immediately effective when changing the feed direction

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3352042

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Workpiece support WPS-1

Adjustment range 40 - 50 mm

Article number ▼
3354261

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Workpiece support

WPS-2

Adjustment range 65 - 90 mm

Article number ▼

3354262

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T-nut

M 10/12 mm

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3353022

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Parallel spacer kit

20 parts

Article number ▼

3354001

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Coolant hoses with magnetic base

KMS 2

Article number ▼

3356660

OPTIMUM[®]
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Cooling lubricant nebulizer

MMC1

Article number ▼

3356663

OPTIMUM[®]
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Vibration damper machine foot

SE 55

Article number ▼

3352981

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Leveling plate
SE 1

Article number ▼
3381012