

Drilling-milling machine

OPTImill MH 20V

Stable drilling-milling machines with electronically continuous variable drive

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3338131

Brand ▼

Optimum

Availability ▼

In stock
Immediate delivery

Catalog directory ▼

Metalworking machines » Milling machines
conventional » OPTImill MH 20V / 20 VL /
20 VLD

Purchase ▼

Minimum 1 pc(s).




Delivery content ▼

- operating tool

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	770 mm	Gross	117 kg	Delivery	Carrier	DualUse	✘
Width	714 mm	Net	90 kg	Content	1 pc(s).	SCIP	n/a
Height	917 mm					SVHC	No

Root data ▼

Country of origin	EAN	Custom number	Quantity unit
 China	4030635043147	84593900	pc(s).



Description ▼

- Precisely built
- High concentricity due to tapered roller bearings ≤ 0.015 mm measured in the quill
- Motor with two-stage gear ratio for powerful transmission of motor power
- Manual quill feed with fine feed
- Powerful DC motor with permanent current monitoring
- Safety electronics in 24 Volt version
- Control electronics with integrated relay control
- Clear control panel with user-friendly membrane keyboard
- Easy-to-read digital display for speed and drilling depth
- Solid and large dimensioned cross table, precisely finished with T-slots and adjustable wedge strips
- Adjustable end stops
- Stable dovetail guide with adjustable wedge strips
- Emergency stop impact switch
- Drilling and milling head can be tilted by $\pm 60^\circ$
- Fine milling feed
- Forward/reverse rotation
- Machine lamp
- Double-row angular contact ball bearings in the axes, adjustable without play
- Height-adjustable protective screen with microswitch, against flying chips and parts, for the greatest possible protection of the user
- X, Y and Z axes with prepared groove for the subsequent assembly of magnetic tapes

Media informations



Fig.: MH 20VL with optional chuck and feeder



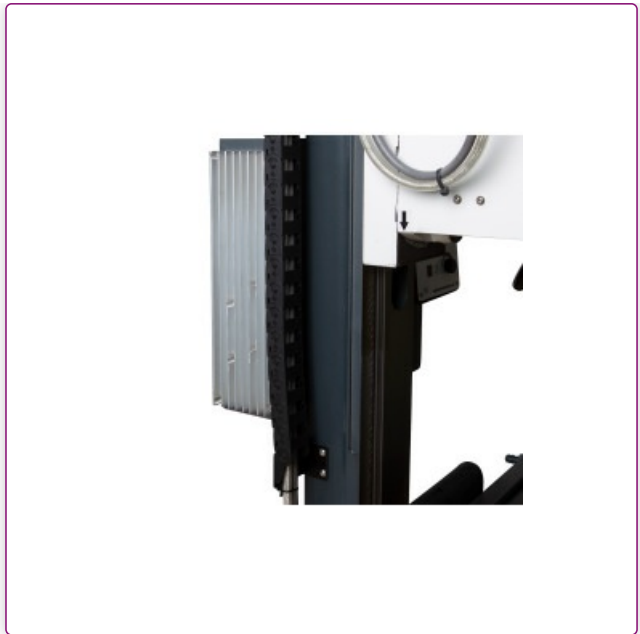
Energy chain

- Gentle cable routing



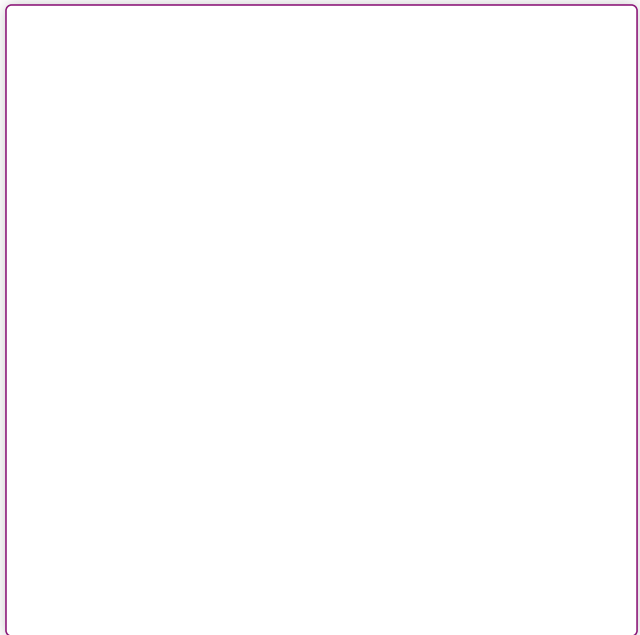
Feed

- Manual fine feed



Heat sink

- For cooling the electronics
- Good thermal conductivity



Technical data ▼

Dimensions and weights			
Length (product) approx.	750 mm	Width/depth (product) approx.	650 mm
Height (product) approx.	820 mm	Net weight approx.	94 kg
Drilling/milling head			
Mill head swivel range	± 60 °		
Drilling/milling output			
Drilling performance steel (S235JR)	16 mm	Max. size milling head	52 mm
Max. size shaft milling cutter	20 mm	Continuous drilling performance steel (S235JR)	12 mm
Electrical Data			
Supply voltage	230 V	Mains frequency	50 Hz

Milling table horizontal			
Horizontal milling table length	510 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	40 kg
Cross table			
Clearance vertical spindle - cross table	255 mm		
Standards and certifications			
Standard	DIN EN 55011	EMC level	C2
Travel			
Travel X axis manual	280 mm	Travel Y axis manual	175 mm
Travel Z axis manual	210 mm		
Vertical spindle			
Vertical spindle reach	170 mm	Vertical spindle spindle chuck	MK 2
Vertical spindle speed range	100 – 3000 min ⁻¹	Vertical spindle number of gears	2
Vertical spindle speed control	electronically adjustable	Vertical spindle quill diameter	60 mm
Vertical spindle quill stroke	50 mm	Vertical spindle drive motor output S6-30 % operation	0,75 kW

Accessories ▼



Keyless drill chuck DKC13 0-13 mm

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Article number ▼
3050632

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Collet set MK 2 direct clamping / M 10

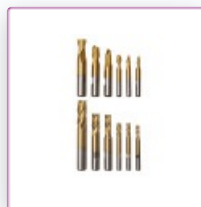
OPTIMUM[®]
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Article number ▼
3351980

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



End mill set HSS, 12-piece

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Article number ▼
3352250

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



End mill set HSS, 20-piece

Article number ▼
3352255

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Collet set ER 25, Ø 1-16 mm

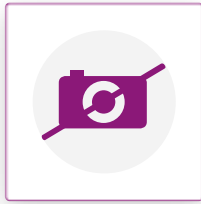
Article number ▼
3441109

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Mounting kit for DRO5 on MH20V/MH22V

Article number ▼
3383990

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Universal base MSM 1 340 x 420 x 800 mm

Article number ▼
3353000

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Chip tray 720 x 470 x 30 mm

Article number ▼
3352999

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Precision machine vice FMS 100

Article number ▼
3354100

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Precision machine vice FMSN 100

Article number ▼
3354110

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Milling machine vise

VMQ 80

Robust design for milling, drilling and grinding

Article number ▼
3354180

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM®
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Milling machine vise

VMQ 100

Robust design for milling, drilling and grinding

Article number ▼
3354181

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Three axis vise

MV3-75

Horizontal swivel movement up to 90 °

Article number ▼
3354175

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Two axis vise

ZAS 50

Article number ▼
3354170

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Twist Drill Set

25 pieces, 1 - 13 mm

Article number ▼
3201010

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 12 pc(s).

Price informations ▼

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Twist Drill Set

51 pieces, 1 - 6 mm (0.1 mm rising)

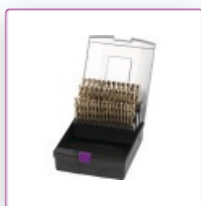
Article number ▼
3201020

Availability ▼
Blocked article

Purchase ▼
Minimum 12 pc(s).

Price informations ▼
Revoked article

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Twist Drill Set

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

Article number ▼
3201021

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 6 pc(s).

Price informations ▼
Revoked article

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Milling set
carbide, 18-piece

Article number ▼
3352118

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Milling set
radius, 9-piece

Article number ▼
3352116

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Clamping tool kit
SPW 10

Article number ▼
3352016

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼
Revoked article

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Edge finder
Diameter 10 mm

Article number ▼
3351171

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Precision quick-action drill chuck
1 - 8 mm, B16

Article number ▼
3050608

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 10 pc(s).

Price informations ▼
Revoked article

OPTIMUM[®]
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Precision quick-action drill chuck
1-10 mm, B16

Article number ▼
3050610

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 10 pc(s).

Price informations ▼

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Keyless drill chuck DKC16 0-16 mm

Article number ▼
3050633

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Mandrel for drill chuck Cone outside MK 2 / M10 / B16

Article number ▼
3050670

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Holder for cutterhead MT 2

Article number ▼
3352102

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Copy and face milling cutter Shank MK 2 / M10

Universal use, for machining on all steel and non-ferrous metals

Article number ▼
3350212

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Collet chuck set MK 2 / ER 25 - M10

Article number ▼
3352052

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Collet chuck set MK 2 / ER 32 - M10

Article number ▼
3352053

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Collet set ER 32, Ø 1 - 16 mm

Article number ▼
3441122

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Prism WP 30

Article number ▼
3352195

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Tapping attachment M5 - M12 / B16

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

Article number ▼
3352042

Availability ▼
Small stock amount
Article available

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Workpiece support WPS-1

Adjustment range 40 - 50 mm

Article number ▼
3354261

Availability ▼
No stock available
Information:
Next availability
Expected on
calendar week
48/2023

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Workpiece support WPS-2

Adjustment range 65 - 90 mm

Article number ▼
3354262

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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T-nut M 10/12 mm

Article number ▼
3353022

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Parallel spacer kit 20 parts

Article number ▼
3354001

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Coolant hoses with magnetic base KMS 2

Article number ▼
3356660

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Cooling lubricant nebulizer MMC1

Article number ▼
3356663

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Vibration damper machine foot SE 55

Article number ▼
3352981

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Leveling plate SE 1

Article number ▼
3381012

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 20 pc(s).

Price informations ▼

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