

Drilling-milling machine

OPTImill MH 35V

Universal precision drilling and milling machines with manual gearbox

OPTIMUM
MASCHINEN - GERMANY

Article number ▼

3338171

Brand ▼

Optimum

Availability ▼

Order-related purchase

Catalog directory ▼

Metalworking machines » Milling machines
conventional » OPTImill MH 35G / MH 35V

Purchase ▼

Minimum 1 pc(s).



Delivery content ▼

- Operating tool

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	1,577 mm	Gross	374 kg	Delivery	Carrier	DualUse	✗
Width	864 mm	Net	306 kg	Content	1 pc(s).	SCIP	n/a
Height	844 mm					SVHC	No

Root data ▼

Country of origin		EAN	Custom number	Quantity unit
 China		4030635050961	84592900	pc(s).



Description ▼

- High concentricity due to tapered roller bearings, ≤ 0.015 mm measured in the sleeve
- Solid and generously dimensioned cross table, precisely surface-machined with T-slots
- Control panel with user-friendly, dirt and water-resistant membrane keypad
- Easy-to-read digital display
- Drilling depth stop
- Right/left rotation
- Thread cutting mode
- Rotary pushbutton in the control panel for setting the drilling depth in either mm or inches and zero point
- Height-adjustable protective screen with microswitch, against flying chips and parts, for maximum user protection
- Gear head can be tilted ± 30
- Adjustable and readjustable feed spindle play
- Heavy, stable and solid column made of high-quality gray cast iron, with ground and scraped dovetail guide for high stability and precision as well as adjustable gibs
- Z-axis with stainless steel lamella protective cover
- Optional, solid, heavy steel base MSM 3 (item no.: 3353014) ensures stability
- Two-stage industrial motor and additional 6 gear stages

Updated version

- Machine base reinforced and cast in a wedge shape at the front to create even more rigidity in the rear area with more material. The entire table can be milled over
- Z-column connection very stable

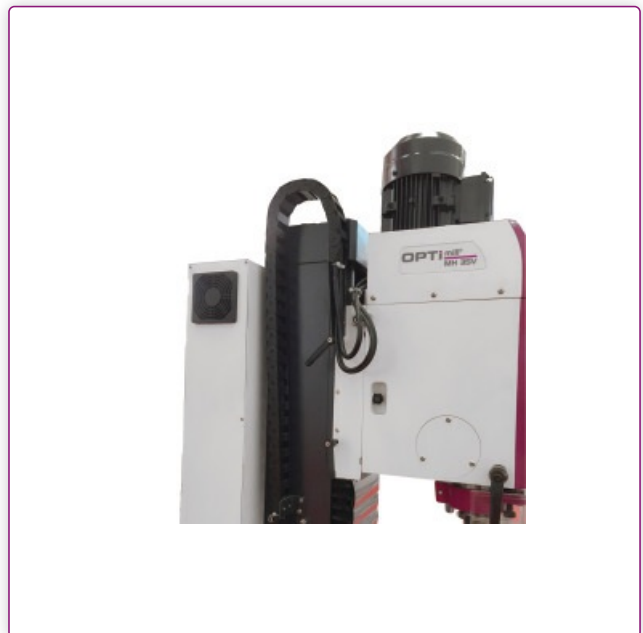
MH 35V

- Electric Z-axis adjustment
- Larger table and therefore more travel in X-axis

Manufacturer

Optimum Maschinen Germany GmbH
 Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt, Germany
info@optimum-maschinen.de

Media informations ▼



Energy chain

- Gentle cable routing



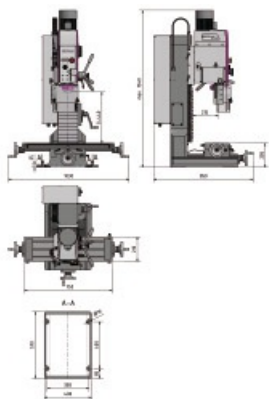
Quick-change clamping system

- Mechanical
- Easy change by unlocking the mechanical lock and moving the quill lever upwards



Control cabinet

- Standard-compliant design
- Completely new with in-house development by Optimum
- Signal transmission via network cable with diagnostic function



Technical data ▼

Dimensions and weights			
Length (product) approx.	850 mm	Width/depth (product) approx.	1030 mm
Height (product) approx.	1340 mm	Net weight approx.	318 kg
Drilling/milling head			
Drill-mill head tilt range	$\pm 30^\circ$		
Drilling/milling output			
Max. size milling head	80 mm	Max. size shaft milling cutter	28 mm
Drilling performance steel (S235JR)	32 mm	Continuous drilling performance steel (S235JR)	28 mm

Electrical Data			
Drive motor output	1,1 / 1,5 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Milling table horizontal			
Horizontal milling table length	750 mm	Horizontal milling table width	210 mm
Max. clearance vertical spindle - horizontal milling table	440 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	170 kg		
Standards and certifications			
Standard	DIN EN 55011	EMC level	C2
Travel			
Travel X axis manual	450 mm	Travel Y axis manual	200 mm
Travel Z axis manual	460 mm		
Vertical spindle			
Vertical spindle reach	215 mm	Vertical spindle spindle chuck	BT 30
Vertical spindle speed range	220 – 3100 min ⁻¹	Vertical spindle number of gears	2 x 6 Steps
Vertical spindle quill diameter	68 mm	Vertical spindle quill stroke	90 mm

Accessories ▼



Holder BT 30/M12 - B16

Article number ▼
3353308

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Cutter head holder 22mm - BT30

Article number ▼
3353306

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Drill chuck for BT 40 / Satz2

Article number ▼
3536333

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Weldon holder Ø 6 mm - BT30

Article number ▼
3353310

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price information ▼

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Weldon holder Ø 8 mm - BT30

Article number ▼
3353311

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price information ▼

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Weldon holder Ø 10 mm - BT30

Article number ▼
3353312

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price information ▼

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Weldon holder Ø 12 mm - BT30

Article number ▼
3353313

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price information ▼

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Weldon holder Ø 16 mm - BT30

Article number ▼
3353314

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price information ▼

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Weldon holder Ø 20 mm - BT30

Article number ▼
3353315

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price information ▼

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Adapter BT 30 on MK 2

Article number ▼
3353305

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price information ▼

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Collet holder ER 32 - BT30

Article number ▼
3353304

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Collet holder key ER 32 - BT40

Article number ▼
3353307

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Collet set ER 32, Ø 3 - 20 mm

Article number ▼
3441122

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Height adjustment device analog

Article number ▼
3536290

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Cone wiper BT30

Article number ▼
3353301

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Pull stud BT 30

Article number ▼
3353302

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Router table feed V 99S

Article number ▼
3352021

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Mounting kit V 99S, X-axis BF30/MH35

Article number ▼
3352035

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Substructure MSM 3

Article number ▼
3353014

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Precision machine vice FMS 125

Article number ▼
3354125

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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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 ▼

OPTIMUM®
MASCHINEN - GERMANY



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 ▼

OPTIMUM®
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Three axis vise DAS 100

Article number ▼
3355500

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Two axis vise ZAS 50

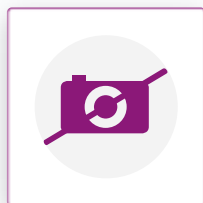
Article number ▼
3354170

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM®
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Starter kit **BT 30**

Article number ▼
3353282

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Hydraulic milling machine vice **HMS 100**

Robust design for milling, drilling and grinding

Article number ▼
3355100

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Precision machine vice **FMSN 125**

Pull-down mechanism for secure clamping of the workpiece

Article number ▼
3354120

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Horizontal-vertical rotary indexing table **RT 100**

Quality round table made of high-quality Meehanite cast

Article number ▼
3356110

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM®
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Horizontal-vertical rotary indexing table **RT 150**

Quality round table made of high-quality Meehanite cast

Article number ▼
3356150

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM®
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Horizontal-vertical rotary indexing table with 3-jaw chuck **RTE 165**

Quality round table made of high-quality Meehanite cast

Article number ▼
3356365

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM®
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Horizontal-vertical rotary indexing table with 3-jaw chuck

RTU 165

Quality round table made of high-quality Meehanite cast

Article number ▼

3354165

Availability ▼

In stock

Immediate delivery

Purchase ▼

Minimum 1 pc(s).

Price informations ▼

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End mill set

HSS, 12-piece

Article number ▼

3352250

Availability ▼

In stock

Immediate delivery

Purchase ▼

Minimum 1 pc(s).

Price informations ▼

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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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Twist Drill Set

25 pieces, 1 - 13 mm

Article number ▼

3201010

Availability ▼

In stock

Immediate delivery

Purchase ▼

Minimum 12 pc(s).

Price informations ▼

OPTIMUM®
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Milling set

carbide, 18-piece

Article number ▼

3352118

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼

Revoked article

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Milling set

radius, 9-piece

Article number ▼

3352116

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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Copy and face milling cutter BT 30

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

Article number ▼
3350203

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Pull stud BT 30

Article number ▼
3536302

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼
[Ask for price](#)

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Stop angle 90 degrees

Article number ▼
3385052

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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Workpiece support WPS-1

Adjustment range 40 - 50 mm

Article number ▼
3354261

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Workpiece support

WPS-3

Adjustment range 90 - 140 mm

Article number ▼
3354263

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 ▼

OPTIMUM®
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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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Universal coolant device

230 V

Article number ▼
3351999

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM®
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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 ▼

OPTIMUM®
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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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Mounting and tool setting aid BT 30

Article number ▼
3536203

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼
[Ask for price](#)

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Digital position indicator DRO 5

Digital 3-axis position indicator for milling machines and lathes with speed display

Article number ▼
3383975

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM®
MASCHINEN - GERMANY



Workplace mat 1840 x 640 mm

For the dry and wet area

Article number ▼
6800000

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

unicraft®
Werkstatttechnik



Workplace mat 1840 x 940 mm

For the dry and wet area

Article number ▼
6800005

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

unicraft®
Werkstatttechnik



Workplace mat 3040 x 940 mm

For the dry and wet area

Article number ▼
6800006

Availability ▼
No stock available
Information:
Next availability
Expected on
calendar week
27/2025

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

unicraft®
Werkstatttechnik



Workplace mat

3040 x 640 mm

For the dry and wet area



Article number ▼

6800001

Availability ▼

In stock

Immediate delivery

Purchase ▼

Minimum 1 pc(s).

Price informations ▼

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