

Precision drilling-milling machine

OPTImill MH 35V

Universal precision drilling-milling machines with manual transmission. MH 35V with electronically controllable drive. Control unit with dirt and water resistant membrane keypad

Article number ▼

3338170

Brand ▼

Optimum

Catalog directory ▼

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

OPTIMUM[®]
MASCHINEN - GERMANY



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



Description ▼

- Control panel with user-friendly, dirt and water-resistant membrane keypad
- Easy to read digital display
- Easy to read quill display in the milling head
- depth stop
- Threading mode
- Right / left rotation
- Rotary pushbutton in the control panel for setting the drilling depth optionally in mm or inch and zero point
- High concentricity due to tapered roller bearing, better than 0.015 mm measured in the quill
- Gear head tiltable $\pm 30^\circ$
- Manual fine feed
- Adjustable wedges
- Z-axis with lamellar protective cover made of stainless steel
- Height-adjustable protective screen with micro-switch, against flying chips and parts, for maximum protection of the user
- Massive and large-dimensioned XY stage, precisely surface-finished with T-slots
- Heavy, stable and solid column, made of high-quality gray cast iron, with ground and scraped dovetail guide, for high stability and precision
- Optional solid, heavy steel base provides stability

MH 35G:

- Two-stage quality industrial electric motor

MH 35G:

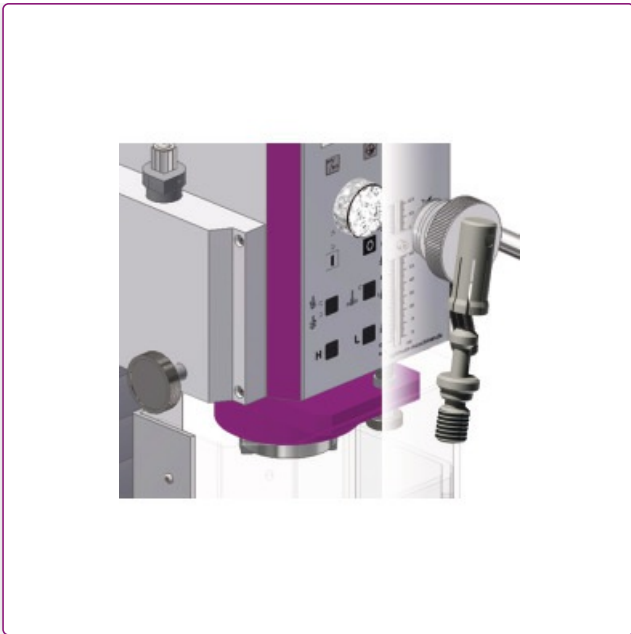
- Gear stages, electronically adjustable

Media informations ▼



Energy chain

- Gentle cable routing



Mechanical quick-change clamping system

- Milling head is equipped with a collet for the pull stud BT30x45 °
- Easy change by unlocking the mechanical lock and moving the sleeve lever upwards
- Depth selection freely configurable via digital display
- In speed mode, the machine automatically switches over from clockwise to anti-clockwise run.

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	± 30 °		
Drilling/milling output			
Max. size milling head	80 mm	Drilling performance steel (S235JR)	32 mm
Max. size shaft milling cutter	28 mm	Continuous drilling performance steel (S235JR)	28 mm
Electrical Data			
Drive motor output	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	50 – 3260 min ⁻¹	Vertical spindle number of gears	6
Vertical spindle speed control	electronic	Vertical spindle quill diameter	68 mm
Vertical spindle quill stroke	90 mm		

Accessories




Holder BT 30/M12 - B16

Article number 
3353308

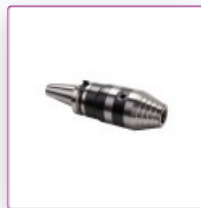
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Cutter head holder 22mm - BT30

Article number 
3353306

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Drill chuck for BT 40 / Satz2

Article number 
3536333

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Weldon holder Ø 6 mm - BT30

Article number 
3353310

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Weldon holder Ø 8 mm - BT30

Article number 
3353311

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Weldon holder Ø 10 mm - BT30

Article number 
3353312

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Weldon holder
Ø 12 mm - BT30

Article number ▼
3353313

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Weldon holder
Ø 16 mm - BT30

Article number ▼
3353314

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Weldon holder
Ø 20 mm - BT30

Article number ▼
3353315

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Adapter
BT 30 on MK 2

Article number ▼
3353305

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Collet holder
ER 32 - BT30

Article number ▼
3353304

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Collet holder key
ER 32 - BT40

Article number ▼
3353307

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Collet set
ER 32, Ø 1 - 16 mm

Article number ▼
3441122

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Height adjustment device
analog

Article number ▼
3536290

OPTIMUM®
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Cone wiper
BT30

Article number ▼
3353301

OPTIMUM®
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Pull stud
BT 30

Article number ▼
3353302

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Router table feed
V 99S

Article number ▼
3352021

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

Article number ▼
3352035

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Clamping tool kit SPW 10

Article number ▼
3352016

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Substructure MSM 3 650 x 550 x 750 mm

Article number ▼
3353014

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Precision machine vice FMS 125

Article number ▼
3354125

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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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Three axis vise DAS 100

Article number ▼
3355500

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Two axis vise ZAS 50

Article number ▼
3354170

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Starter kit **BT 30**

Article number ▼
3353282

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Hydraulic milling machine vice **HMS 100**

Robust design for milling, drilling and grinding
Article number ▼
3355100

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Precision machine vice **FMSN 125**

Pull-down mechanism for secure clamping of the workpiece
Article number ▼
3354120

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

Quality round table made of high-quality Meehanite cast
Article number ▼
3356110

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

Quality round table made of high-quality Meehanite cast
Article number ▼
3356150

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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

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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

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End mill set

HSS, 12-piece

Article number ▼

3352250

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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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Edge finder
Diameter 10 mm

Article number ▼
3351171

OPTIMUM®
MASCHINEN - GERMANY



Plan and copy cutter head
BT 30

Article number ▼
3350203

OPTIMUM®
MASCHINEN - GERMANY



Pull stud
JIS B 6339

Article number ▼
3536302

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MASCHINEN - GERMANY



Stop angle
90 degrees

Article number ▼
3385052

OPTIMUM®
MASCHINEN - GERMANY



Prism
WP 30

Article number ▼
3352195

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Workpiece support

WPS-1

Adjustment range 40 - 50 mm

Article number ▼

3354261

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Workpiece support

WPS-3

Adjustment range 90 - 140 mm

Article number ▼

3354263

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T-nut

M 10/12 mm

Article number ▼

3353022

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Parallel spacer kit

20 parts

Article number ▼

3354001

OPTIMUM[®]
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Universal coolant device

230 V

Article number ▼

3351999

OPTIMUM[®]
MASCHINEN - GERMANY



Coolant hoses with magnetic base

KMS 2

Article number ▼

3356660

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Vibration damper machine foot

SE 55

Article number ▼

3352981

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Leveling plate

SE 1

Article number ▼

3381012

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