

Milling machine

OPTImill MH 25SV

Stable milling machines with electronically infinitely variable drive. MH 25SV with stepper motors and digital position indicator DRO 5

Article number ▼

3338160

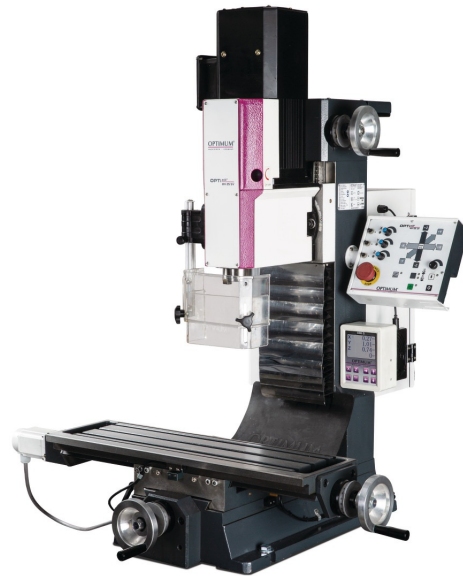
Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Milling machines conventional » OPTImill MH 25V / MH 25SV

OPTIMUM[®]
MASCHINEN - GERMANY



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	914 mm	Gross	250 kg	Delivery	Carrier	DualUse	✘
Width	844 mm	Net	200 kg	Content	1 pc(s).	SCIP	n/a
Height	1,119 mm					SVHC	No



Description ▼

- Inverter motor
- Precisely processed
- Clear control panel with user-friendly membrane keyboard
- Especially quiet running
- Counterweight facilitates adjustment of the Z-axis
- Stepless speed control
- Easy tool change due to quick tool clamping system
- Feed spindles adjustable by means of adjustable spindle nuts
- Stable dovetail guide, precision ground and scraped with adjustable wedges
- Angular contact ball bearings in the axes
- Drilling and milling head can be swiveled by $\pm 45^\circ$
- Forward / reverse
- Height-adjustable and large-dimensioned protective screen with microswitch

MH 25SV:

- Continuously adjustable feed in all axes
- Rapid traverse X / Y axis for fast positioning
- Digital 3-axis position indicator DRO 5
- Final shutdown of the feed
- Control panel transportable
- When the spindle stops, the feed switches off
- Limit switch for all three axes

Media informations ▼



Operating panel

- User-friendly membrane keyboard with touch and switch control
- Easy to clean
- Excellent operability
- High mobility by removing the control panel from the holder



Mechanical quick-change clamping system

- Milling head equipped with collet for pull studs BT30x45°
- Easy to change by unlocking the mechanical safeguard and moving the sleeve lever upward



Energy chain

- Gentle cable routing



SIEMENS SINAMICS V20 inverter

- Energy saving features
- Advanced cooling
- Painted electronic assemblies

Technical data ▼

Dimensions and weights			
Length (product) approx.	970 mm	Width/depth (product) approx.	975 mm
Height (product) approx.	1025 mm	Net weight approx.	200 kg
Drilling/milling head			
Drill-mill head tilt range	± 45 °		

Drilling/milling output			
Max. size milling head	50 mm	Max. size shaft milling cutter	25 mm
Fast motion speed			
Fast motion speed X axis	150 – 930 mm/min	Fast motion speed Y axis	100 – 580 mm/min
Fast motion speed Z axis	80 – 450 mm/min		
Electrical Data			
Supply voltage	230 V	Mains frequency	50 Hz
Milling table horizontal			
Horizontal milling table length	620 mm	Horizontal milling table width	180 mm
Min. clearance vertical spindle - horizontal milling table	0 mm	Max. clearance vertical spindle - horizontal milling table	300 mm
Horizontal milling table T-groove size	12 mm	Horizontal milling table T-groove number	3
Horizontal milling table T-groove spacing	50 mm	Horizontal milling table max. load bearing capacity	30 kg
Standards and certifications			
Standard	DIN EN 55011	EMC level	C2
Travel			
Travel X axis manual	400 mm	Travel Y axis manual	210 mm
Travel Z axis manual	270 mm	Travel X axis automatic	380 mm
Travel Y axis automatic	130 mm	Travel Z axis automatic	190 mm
Vertical spindle			
Vertical spindle reach	185 mm	Vertical spindle spindle chuck	BT 30
Vertical spindle speed range	200 – 4000 min ⁻¹	Vertical spindle number of gears	1
Vertical spindle speed control	electronically adjustable	Vertical spindle drive motor output normal operation	1,5 kW
Vertical spindle drive motor torque	10 nm		
Feed speed			
X axis feed speed	150 mm/min	Y axis feed speed	100 mm/min
Z axis feed speed	80 mm/min		
Feed motor torque			
Feed motor torque X axis continuous operation S1	2,2 Nm	Feed motor torque Y axis continuous operation S1	2,2 Nm
Feed motor torque Z axis continuous operation S1	4.2 nm		
Electrical connections			
Total rated value	2 kW		

Accessories ▼



Cutter head holder 22mm - BT30

Article number ▼
3353306

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Drill chuck
for BT 30

Article number ▼
3536303

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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

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Pull stud

BT 30

Article number ▼

3353302

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Pull stud

DIN 2080 M12

Article number ▼

3536177

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Clamping tool kit

SPW 10

Article number ▼

3352016

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Substructure

MSM 2 700 x 550 x 750 mm

Article number ▼

3353009

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Precision machine vice

FMS 100

Article number ▼

3354100

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Milling machine vise

VMQ 80

Robust design for milling, drilling and grinding

Article number ▼

3354180

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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

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3354170

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Starter kit BT 30

Article number ▼
3353282

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Precision machine vice FMSN 100

Article number ▼
3354110

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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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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

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Precision quick-action drill chuck

1-10 mm, B16

Article number ▼

3050610

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Keyless drill chuck

DKC13 1-13 mm

Article number ▼

3050632

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Keyless drill chuck

DKC16 1-16 mm

Article number ▼

3050633

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Plan and copy cutter head

BT 30

Article number ▼

3350203

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Pull stud

JIS B 6339

Article number ▼

3536302

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Stop angle

90 degrees

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3385052

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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

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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

Article number ▼

3353022

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Parallel spacer kit

20 parts

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3354001

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Coolant hoses with magnetic base

KMS 2

Article number ▼

3356660

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Cooling lubricant nebulizer

MMC1

Article number ▼

3356663

OPTIMUM®
MASCHINEN - GERMANY



Vibration damper machine foot

SE 55

Article number ▼

3352981

OPTIMUM®
MASCHINEN - GERMANY



Leveling plate

SE 1

Article number ▼

3381012

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