

## Milling machine

### OPTImill MH 25V

Stable milling machines with electronically infinitely variable drive.

#### Article number ▼

3338155

#### Brand ▼

Optimum

#### Catalog directory ▼

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

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



#### Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	914 mm	Gross	242 kg	Delivery	Carrier	DualUse	✘
Width	844 mm	Net	192 kg	Content	1 pc(s).	SCIP	n/a
Height	1,119 mm					SVHC	No



## Description ▼

- Inverter motor
- Precisely processed
- Especially quiet running
- Counterweight facilitates adjustment of the Z-axis
- Stepless speed control
- Easy tool change through quick tool clamping system
- Prepared groove for subsequent mounting of magnetic tapes
- 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 axles
- Drilling and milling head can be swiveled by  $\pm 45^\circ$
- Forward / reverse
- Height-adjustable protective screen with microswitch
- Easy to read speed display in the milling head

## Media informations ▼





**Operating panel**

- User-friendly membrane keyboard with touch and switch control
- Easy to clean
- Excellent operability



**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



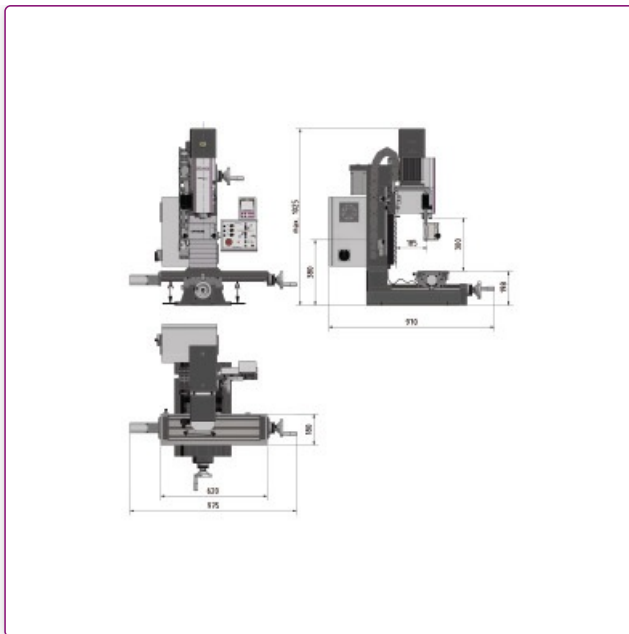
**Energy chain**

- 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.	955 mm
Height (product) approx.	1025 mm	Net weight approx.	192 kg
Drilling/milling head			
Mill head swivel range	45 °		
Drilling/milling output			
Max. size milling head	50 mm	Max. size shaft milling cutter	25 mm
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		
Vertical spindle			
Vertical spindle reach	185 mm	Vertical spindle spindle chuck	BT 30
Vertical spindle speed range	200 – 4000 min <sup>-1</sup>	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		
Electrical connections			
Total rated value	2 kW		

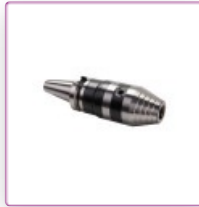
## Accessories ▼



**Cutter head holder**  
22mm - BT30

**Article number** ▼  
3353306

**OPTIMUM**<sup>®</sup>  
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**Drill chuck**  
for BT 30

**Article number** ▼  
3536303

**OPTIMUM**<sup>®</sup>  
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**Weldon holder**  
Ø 6 mm - BT30

**Article number** ▼  
3353310

**OPTIMUM**<sup>®</sup>  
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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

**OPTIMUM**<sup>®</sup>  
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**Weldon holder**  
Ø 12 mm - BT30

**Article number** ▼  
3353313

**OPTIMUM**<sup>®</sup>  
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**Weldon holder**  
Ø 16 mm - BT30

**Article number** ▼  
3353314

**OPTIMUM**<sup>®</sup>  
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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

**OPTIMUM®**  
MASCHINEN - GERMANY



**Collet holder key**  
ER 32 - BT40

Article number ▼  
3353307

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**Collet set**  
ER 32, Ø 1 - 16 mm

Article number ▼  
3441122

**OPTIMUM®**  
MASCHINEN - GERMANY



**Height adjustment device**  
analog

Article number ▼  
3536290

**OPTIMUM®**  
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**Pull stud**  
**BT 30**

**Article number** ▼  
3353302

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**Pull stud**  
**DIN 2080 M12**

**Article number** ▼  
3536177

**OPTIMUM**<sup>®</sup>  
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**Clamping tool kit**  
**SPW 10**

**Article number** ▼  
3352016

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MASCHINEN - GERMANY



**Substructure**  
**MSM 2 700 x 550 x 750 mm**

**Article number** ▼  
3353009

**OPTIMUM**<sup>®</sup>  
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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**

**Article number** ▼

3354170

**OPTIMUM®**  
MASCHINEN - GERMANY



### Starter kit

**BT 30**

**Article number** ▼

3353282

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### Precision machine vise

**FMSN 100**

**Article number** ▼

3354110

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### Horizontal-vertical rotary indexing table

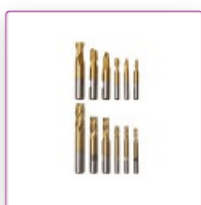
**RT 100**

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

**OPTIMUM®**  
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**Milling set**  
carbide, 18-piece

Article number ▼  
3352118

**OPTIMUM®**  
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**Milling set**  
radius, 9-piece

Article number ▼  
3352116

**OPTIMUM®**  
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**Edge finder**  
Diameter 10 mm

Article number ▼  
3351171

**OPTIMUM®**  
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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

Article number ▼  
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

Article number ▼  
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**

**Article number** ▼

3353022

**OPTIMUM**<sup>®</sup>  
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### Parallel spacer kit

**20 parts**

**Article number** ▼

3354001

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



### Coolant hoses with magnetic base

**KMS 2**

**Article number** ▼

3356660

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



### Cooling lubricant nebulizer

**MMC1**

**Article number** ▼

3356663

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



## Vibration damper machine foot

SE 55

Article number ▼

3352981

**OPTIMUM®**  
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## Leveling plate

SE 1

Article number ▼

3381012

**OPTIMUM®**  
MASCHINEN - GERMANY