

## Universal milling machine

### OPTImill MT 130S

Versatility and easy conversion. The universal milling machine for workshops

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

#### Article number ▼

3344110

#### Brand ▼

Optimum

#### Catalog directory ▼

Metalworking machines » Milling machines  
conventional » OPTImill MT 130S



#### Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	1,600 mm	Gross	1,520 kg	Delivery	Special transportation	DualUse	✘
Width	1,600 mm	Net	1,400 kg	Content	1 pc(s).	SCIP	n/a
Height	2,150 mm					SVHC	No



## Description ▼

- Versatile application
- Heavy, solid design made of high-quality Meehanite cast iron
- Vertical and horizontal milling position
- Robust machine construction
- Milling head can be swiveled and rotated at any spatial angle
- Smooth running due to polished gear wheels running in oil bath
- Sturdy, rectangular guideways in the Y and Z axes
- All guides are hardened and adjustable by means of wedges
- Central lubrication
- Large sized decoupled handwheels with scale
- LED machine lamp
- Coolant system
- Easy operation of the switching elements
- 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
- Digital position indicator DPA 21
- Feed system controllable by servo motor
- Table feed X, Y and Z axis automatically

## Delivery content ▼

- ISO 40 taper shank with counter bearing for horizontal milling  $\varnothing 27$  mm
- Milling spigot  $\varnothing 27$  mm
- operating tool

## Media informations ▼



### OPTI Control panel

- Integrated switch panel
- Integrated **digital position display DPA 21**
- Rotates about its own axis



### Horizontal milling position

- With counterholder and mounting for disc milling cutter
- Adjustable slide bearing

### Vertical milling position

- e.g. for milling wedges along the X-axis

## Technical data ▼

Dimensions and weights			
Length (product) approx.	1760 mm	Width/depth (product) approx.	1550 mm
Height (product) approx.	1700 mm	Net weight approx.	1450 kg
Drilling/milling head			
Drill-mill head tilt range	90 °	Mill head swivel range	360 °
Drilling/milling output			
Max. size milling head	100 mm	Max. size shaft milling cutter	20 mm
Fast motion speed			
Fast motion speed X axis	1335 mm/min	Fast motion speed Y axis	1335 mm/min
Fast motion speed Z axis	1000 mm/min		
Electrical Data			
Drive motor output	3 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Milling table horizontal			
Horizontal milling table length	1270 mm	Horizontal milling table width	300 mm
Min. clearance vertical spindle - horizontal milling table	100 mm	Max. clearance vertical spindle - horizontal milling table	500 mm
Horizontal milling table T-groove size	14 mm	Horizontal milling table T-groove number	3
Horizontal milling table T-groove spacing	80 mm	Horizontal milling table max. load bearing capacity	200 kg
Travel			
Travel X axis manual	720 mm	Travel Y axis manual	300 mm
Travel Z axis manual	400 mm	Travel X axis automatic	650 mm
Travel Y axis automatic	220 mm	Travel Z axis automatic	320 mm
Vertical spindle			
Vertical spindle reach	150 – 550 mm	Vertical spindle spindle chuck	ISO 40 DIN 2080
Vertical spindle speed range	45 – 1660 min <sup>-1</sup>	Vertical spindle number of gears	11 Steps
Feed speed			
X axis feed speed	30 – 830 mm/min	Y axis feed speed	30 – 830 mm/min
Z axis feed speed	23 – 625 mm/min		
Electrical connections			
Total rated value	6 kW		

## Accessories ▼



### 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

**RT 200**

Quality round table made of high-quality Meehanite cast

**Article number** ▼

3356200

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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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### Clamping tool kit

**SPW 12**

**Article number** ▼

3352017

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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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**Mandrel for drill chuck**  
cone outside ISO 40 / M16 / B16

**Article number** ▼  
3352070

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**Collet chuck set**  
ISO 40 / ER32 - M16 / BT40

**Article number** ▼  
3352056

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**Hydraulic machine vice**  
HMS 125  
Robust design for milling, drilling and grinding

**Article number** ▼  
3355127

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**Precision machine vice**  
FMS 150

**Article number** ▼  
3354150

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**Precision machine vice**  
FMSN 150  
Pull-down mechanism for secure clamping of the workpiece

**Article number** ▼  
3354130

**OPTIMUM®**  
MASCHINEN - GERMANY



**Milling machine vise**  
VMQ 125  
Robust design for milling, drilling and grinding

**Article number** ▼  
3354182

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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

**MV3-125**

Horizontal swivel movement up to 90 °

**Article number** ▼

3354178

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### Three axis vise

**DAS 100**

**Article number** ▼

3355500

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### CNC hydraulic vise

**HCV 105**

With high accuracy and repeatability for series and component machining on CNC milling machines and machining centers

**Article number** ▼

3536210

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### CNC hydraulic vise

**HCV 125**

With high accuracy and repeatability for series and component machining on CNC milling machines and machining centers

**Article number** ▼

3536214

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### Two axis vise

**ZAS 50**

**Article number** ▼

3354170

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### Universal dividing head

TA 125

Swiveling from -100 to +900

Article number ▼

3356125

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### Twist drill HSS with Morse taper

MT 3

Article number ▼

3051003

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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**<sup>®</sup>  
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**Reducing sleeve**  
MK3-MK2 / M12

**Article number** ▼  
3350313

**OPTIMUM**<sup>®</sup>  
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**Copy and face cutter head**  
Shaft ISO 40

**Article number** ▼  
3350216

**OPTIMUM**<sup>®</sup>  
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**Boring Drill Bit Set**  
Boring Drill Bit Set ISO 40

**Article number** ▼  
3352128

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**Collet set**  
ER 32, Ø 1 - 16 mm

**Article number** ▼  
3441122

**OPTIMUM**<sup>®</sup>  
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**Stop angle**  
90 degrees

**Article number** ▼  
3385052

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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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### T-nut

M 12/14 mm

Article number ▼

3353025

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### Parallel spacer kit

20 parts

Article number ▼

3354001

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### Precision machine foot

SEU1

Article number ▼

3352985

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### Leveling plate

SE 2

Article number ▼

3381016

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