

## Precision surface grinding machine

### FSM 1545

With NC-controlled vertical feed



#### Article number ▼

3931545

#### Brand ▼

Metallkraft

#### Availability ▼

In stock  
Immediate delivery

#### Catalog directory ▼

Metalworking machines » Grinding and polishing machines for metal » Surface grinders

#### Purchase ▼

Minimum 1 pc(s).




#### Delivery content ▼

- Grinding wheel flange
- Grinding wheel
- Balancing mandrour
- Operating tool

#### Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	2,120 mm	Gross	900 kg	Delivery	Carrier	DualUse	✘
Width	1,580 mm	Net	900 kg	Content	1 pc(s).	SCIP	n/a
Height	1,960 mm					SVHC	No

#### Root data ▼

Country of origin	EAN	Custom number	Quantity unit
 Taiwan	4036351054191	84601200	pc(s).

#### Video ▼

[www.youtube.com/watch?v=lpTtgpjSnjk](https://www.youtube.com/watch?v=lpTtgpjSnjk)

#### Description ▼

- For precision surface grinding
- Maximum stiffness and stability thanks to tension-free re-heated and hardened cast iron construction
- High-quality spindle with precision cone roller bearings (circular accuracy 2 microns)
- Electromagnetic clamping plate for fixing the workpiece including automatic demagnetization function
- Automatic central lubrication for all slides and spindles
- Hand scraped and Turcite-B-coated V-flat guides guarantee extremely uniform, low-friction movement and highest precision
- Halogen working light dustproof, completely contact-proof and protected against jet water according to IP65
- Second grinding wheel flange included in delivery

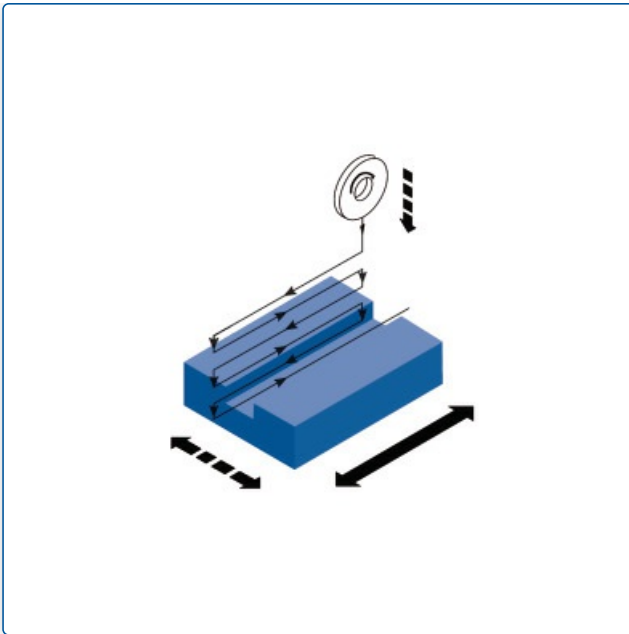
### Automatic feed control AD 5

The fsM series models are equipped with automatic feed control (AD 5). Different grinding cycles are available: surface loops with delivery at the starting point, groove loops with delivery at the starting point, groove loops with delivery at the start and end points. The delivery of the grinding wheel can be individually designed depending on the workpiece. The total grinding size is divided into coarse and fine delivery, the delivery steps can be freely entered, depending on the application, with a minimum resolution of up to 0.001mm. The possibility to program dead runs after a certain number of delivery steps as well as passages for firing after reaching the grinding measure provides the best grinding results.

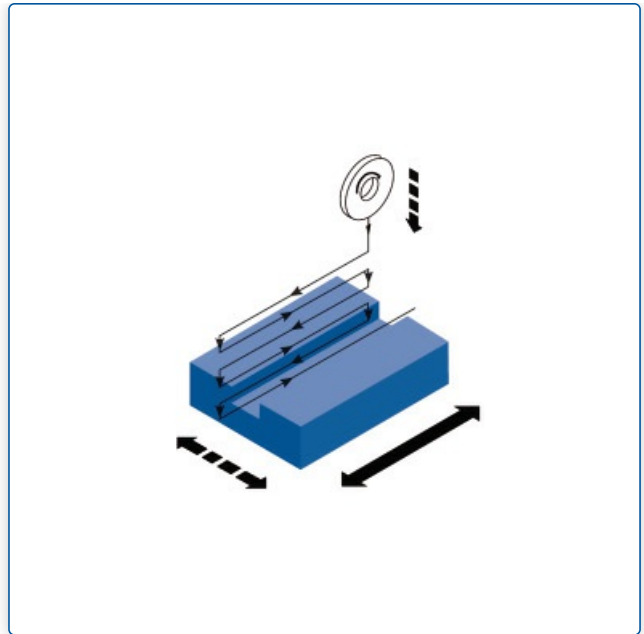
### Media informations



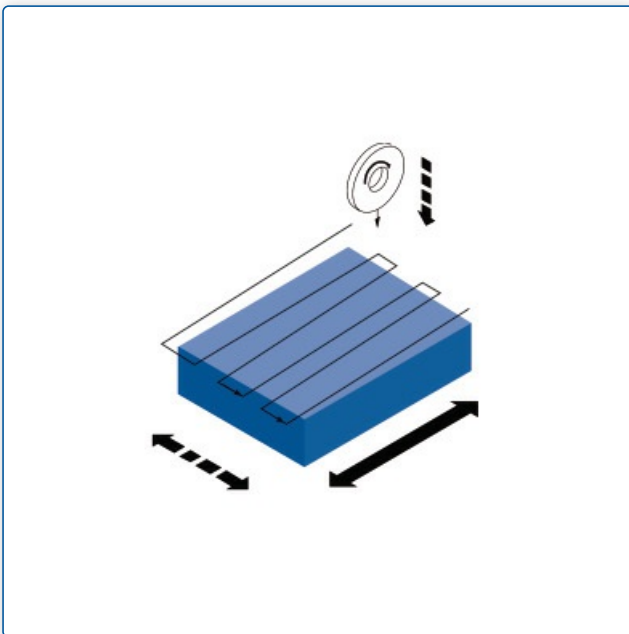
Operating panel



Groove grinding with delivery at the start and end points



Groove grinding with delivery at the starting point






Surface grinding with delivery at the starting point

### Technical data ▼

Dimensions and weights			
Length (product) approx.	1900 mm	Width/depth (product) approx.	1300 mm
Height (product) approx.	1700 mm	Net weight approx.	900 kg
Electrical Data			
Drive motor output	1,5 kW	Hydraulic pump motor output	0,75 kW
Supply voltage	400 V	Mains frequency	50 Hz
Spindle			
Spindle speed	2900 min <sup>-1</sup>		
Grinding wheel(s)			
Grinding disc external diameter	180 mm	Grinding disc width	13 mm

Grinding disc drill hole	31.7 mm		
<b>Surface grinding table</b>			
Surface grinding table clamping surface length	450 mm	Surface grinding table clamping surface width	150 mm
Surface grinding table max. weight workpiece	140 kg	Max. clearance spindle to surface grinding table	450 mm
<b>X axis</b>			
x axis travel speed	5 – 25 m/min		

## Equipment

Clamping plate	Electro Magnet	Demagnetizing device	Automatic
Parallel hone device		Coolant device	
Work light	Halogen working light according to IP65	Alignment feet	

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