

### TECHNICAL DATASHEET

#### Flat and Knife Grinding Machine

Manufacturer	<b>GOECKEL</b>
Type	<b>U9/500 PL</b>
Control	<b>Siemens SIMATIC S7 with OP17</b>
Built	<b>2006</b>



Our grinding machine from the German manufacturer Gustav Göckel is equipped with a new Simatic OP17 operating unit. The horizontal grinding spindle is mounted on a carriage. The grinding head oscillates above the stationary workpiece, enabling exceptionally high precision even with the largest workpieces. The Göckel U9 / 500 PL with its characteristic arrangement is therefore ideal for grinding long knives or other very long and demanding grinding tasks with high process reliability and precision

#### Working Area

Length magnetic table	7.080 mm
Width magnetic table	500 mm
Max. clearance height	330 mm

#### Grinding spindle data

Diameter grinding wheel	Ø450 mm
Width of grinding wheel	100 mm
Speed range	6 – 2.100 1/min
Max. power	30 kW

### Feeds

Longitudinal travel (X-Axis)	max. 30 m/min
Cross travel (Y-Axis)	max. 3 m/min

### Control Simatic OP17

PLC control with b/w LC display, 4x20 characters and backlighting  
256kbyte working memory  
Teach-in function  
Membrane keypad with 24 function keys, 16 of which are illuminated  
Machine control panel  
Integrated electronic handwheel  
Percentage speed display for the grinding spindle

### Dimensions and weight

Footprint L x W x H approx.	8,0 x 2,0 x 3,2 m
Machine weight approx.	22.000 kg

### Connection data

Total connected load	65 kVA
Operating voltage	400 V
Operating frequency	50 Hz
Control voltage	230V AC / 24V DC

### Equipment and accessories

- Basic machine GÖCKEL U9/500 PL, mechanically and electrically refurbished
- Siemens S7 control system and OP17 operating screen
- Stand-alone electrical cabinet
- Integrated handwheel function on the operating screen
- Belt filter system with tank capacity approx. 900 l
- 1 grinding wheel flange with grinding spindle
- 1 pc. Vertical dresser, mounted on machine bed
- Documentation



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# FLECKENSTEIN

## Werkzeugmaschinen

Technical Datasheet

Flat and Knife Grinding machine

GOECKEL U9/500 PL



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