

Efficiency with each turn.

EM 3

Gear deburring machine



- > Bandsaw blade production
- > Steering rack production
- > Rack production
- ▶ Gear processing
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EM 3

The Kesel EM-3 gear deburring machine has been developed for deburring and/or chamfering of both internal and external gears, bevel gears, spiral bevel gears and similar shaped components. After programming the RPM and number of revolutions you put the gear in place, shut the safety door and the clamping and deburring cycle starts automatically. Workpieces are clamped with a specially designed three jaw chuck which can clamp both internal and external gears.



Clamping unit

The workpieces are clamped with a specially designed three jaw chuck which can clamp both internal and external gears. Customer specific workpieces can be clamped using appropriate retaining adapters.



Operator Panel

The fully graphic-based Siemens OP 77 SIMATIC S7 display represents processes as a bar diagram. The 4.5"-size display allows clear and easy readings. Data input is done via a dirt-resistant membrane-sealed keypad.



Up to three grinding or brushing tools may be used to deburr gears of up to 400 mm in diameter.

Specification EM 3

Work piece data	
Clamping-table diameter	300 mm
Work piece diameter	max. 400 mm
Table	Infinitely variable r.p.m. control
Pneumatic work piece clamping	
Control	
Digital-control Siemens SIMATIC OP 77	
Machining	
Pneumatic tool with 6 bar	
Electrical connection	
Fuse	16 A
Nominal voltage	230 V; 50 Hz
Suction unit	
Suction output	1,700 m ³ /h
Dimensions and weight	
Installation dimensions	length 1,900 x depth 1,500 x height 2,200 mm
Machine weight	approx. 400 kg
Options	
Three grinding tools max.	

Additional accessories upon request

