



ANTON WIMMER
Cut-off machines for experts

CHAMFERING HARD MATERIALS EASILY



FSM 382A

Compact automatic chamfer grinding machine
Simple – effective – compact

Designed for:

- Tungsten carbide
- High-speed steel
- Metal alloys
- Stainless steel
- Ceramics
- Tungsten
- Carbon fibres etc.

FSM 382A – chamfer hard materials automatically

Automatic chamfer grinding machine

Product Highlights

- Compact machine, fully automated operation
- Excellent grinding quality with small grinding wheel wear
- Dry processing saves coolant
- Adjustable feed and chamfer width
- Mobile use with table on wheels (option)



Loading

The universal **FSM 382A** automatically grinds perfect **45° chamfers** on cylindrical rods in tungsten carbide, HSS and other hard materials. It is designed only for this operation which **reduces processing costs!**

The operator fills the rods into the loader and starts the machine. The rods are then **automatically** moved into the grinding position, then led onto the grinding point with an axial feeder. They are then chamfered and moved out of the machine through an inclined slide.

Precision slides and an accurate spindle allow for a **precision result** of the tolerances as well as the surface quality of the chamfer! The **chamfer width and the feed** can be **adjusted without steps** and can therefore be adapted optimally to the respective workpiece diameters! The control unit is simply built and operator friendly.

The grinding is made without coolant since there is only a small material removal! To allow for an **efficient chip removal**, the grinding wheel protection has a connection for the optional dust collector.

This easy to operate and compact machine is particularly suited for smaller batches of changing rod sizes!

With the aluminium profile table on wheels (option – see page 4) the machine can be **operated practically anywhere** in the production area!



Grinding



Unloading

FSM 382 – chamfer hard materials fast

Manually operated chamfer grinding machine



Loading



Grinding



Unloading

The **FSM 382** corresponds to the FSM 382A, but with manual one-handed instead of automatic operation.

The machine can be started and operated with the multifunction lever. It is loaded in the **neutral position**. The lever in the **middle position** starts the spindle and feeder to grind the chamfer. The **final position** puts the ground workpiece automatically into a collector..

An **optional loading magazine** enhances handling and productivity significantly! With this the rods are put into the loader with the manual lever in the neutral position and they will be put onto the inclined slide after the chamfer grinding!

On request, we can deliver an efficient dust collector (photo on p. 4) and a mobile table for this machine.

Technical Data

Grinding range	Ø 3 – 22 mm
Grinding wheel	Ø 100 mm 11V9
Chamfer angle	45°
Motor power	0.55 kW
Power supply	400V DS-50Hz
Feed range	0.1 – 0.4 mm/s
Dimensions L x W x H	550 x 650 x 400 mm / with table: H 1,300 mm



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FSM 382A / FSM 382

Compact chamfer grinding machines

Useful for

- Cutting tool manufacturers and grinding services
- Tool and die as well as machine tool industries
- Material analysis
- Quality control
- Medical industry
- Compounds
- Ceramics and glass and many others



FSM 382A/FSM 382
with table and
dust collector

Wimmer was founded in 1974. Our production program comprises a complete range of cut-off machines, from the small table machine and immersion cut-off to the fully automatic CNC machine, all also in special executions.



Since 2006 Anton Wimmer Maschinenfabrik has been part of the Hunger group. The factory is located about 60 km to the west of Munich where our machines are designed and built on the most modern equipment by a highly motivated staff – guaranteeing a top quality of our products for intensive use by our customers.

- Long-standing experience in cut-off techniques
- Design, production, sale and after-sales service at the same location
- 6,000 square meters of production surface
- ISO certified quality management



Anton Wimmer Maschinenfabrik GmbH

Ludwig-Hunger-Str. 1, 86916 Kaufering, Germany
Phone +49 (0) 8191 - 665-70, Fax +49 (0) 8191 - 665-20
vertrieb@anton-wimmer.de, www.anton-wimmer.de

