

A75

Grinding Machine for Sickle-shaped and Circular Knives

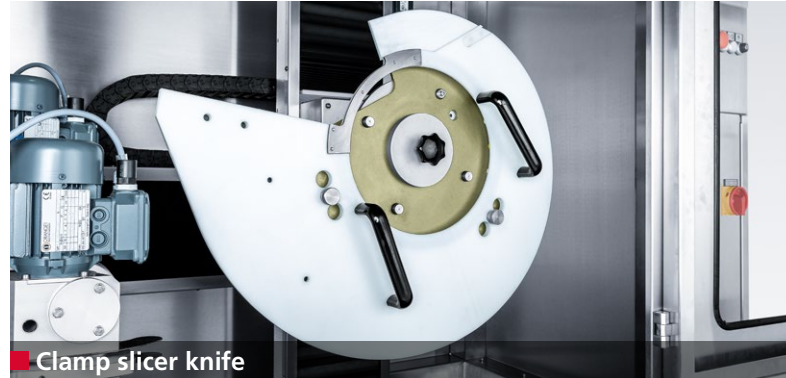


Precise cutting edges

Fully automated grinding of slicer knives



■ Knife holding fixture

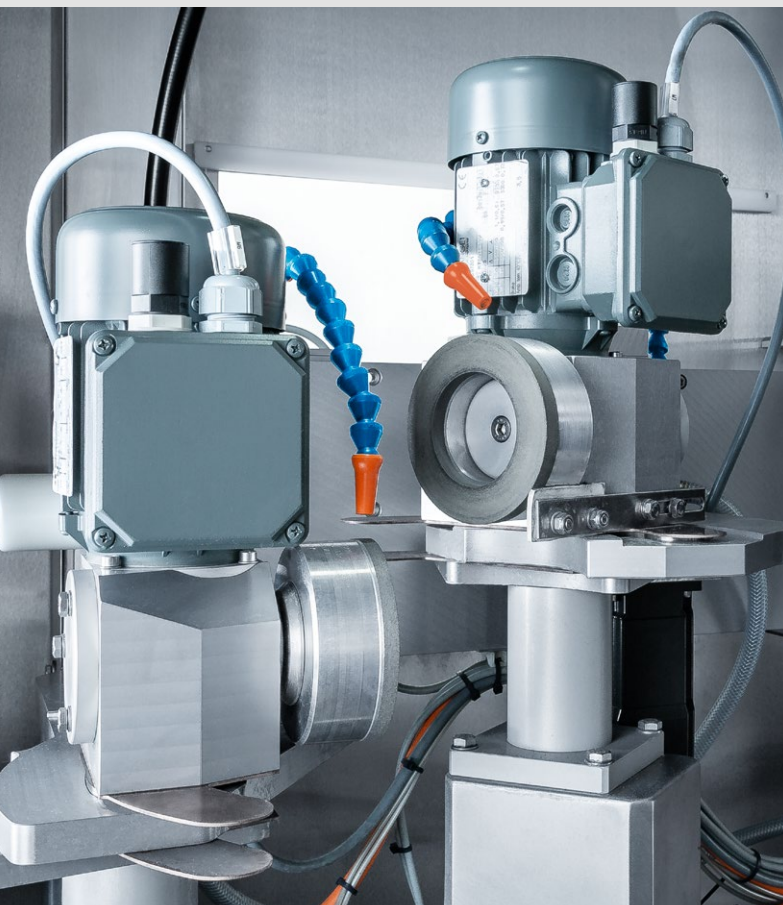


■ Clamp slicer knife

Perfect cuts, perfect surfaces, and precisely placed products. The A75 creates precisely ground slicer knives that meet these requirements.

It grinds sickle-shaped knives and circular knives of all brands up to 1000 mm (39.4 in).

The machine is simple and easy to operate via touch panel. It provides highest grinding precision and best repeat accuracy.



■ Grinding and deburring

Five servomotor driven axes create precise cutting edges with maximum repeat accuracy. The cutting tools retain the exact same shape over their entire service life. The exactly adjustable grinding pressure is applied pneumatically. The material removal on the knives is minimal.

Perfect cuts

Exactly placed products and perfect surfaces



Slicer knife grinding



Touch panel

Cutting tools ground with the A 75 minimize the scrap rate of the cut product.

It makes an important contribution to production reliability and quality assurance.

■ Angle adjustment

The grinding angle is set continuously on both sides between -5° and 35° via servo drives. The repeat accuracy is 0.1 degrees. Calling up the required grinding program, the A 75 automatically sets itself to the saved angles.

■ Overheating protection

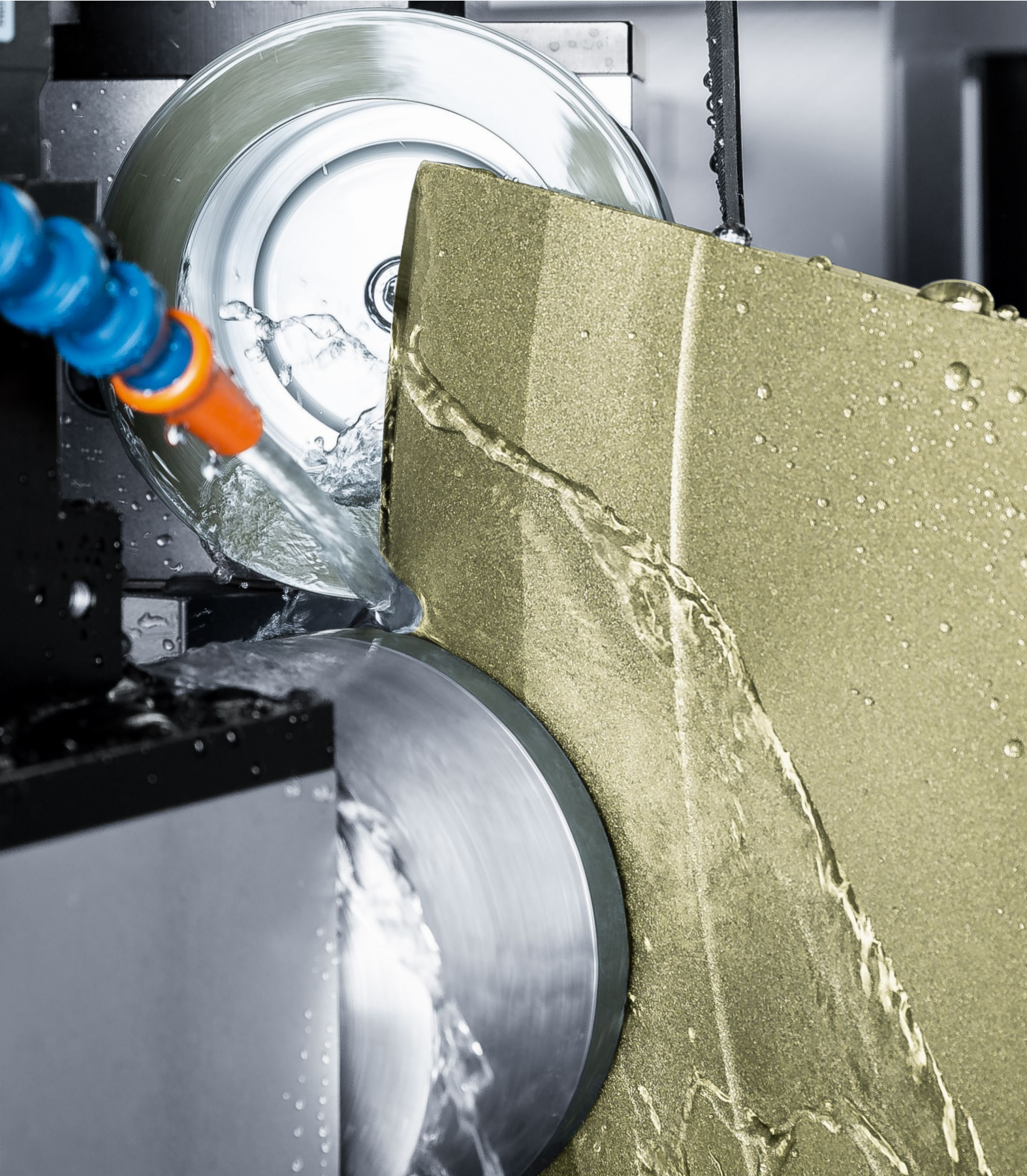
A coolant unit with a capacity of 20l efficiently prevents the cutting tools from overheating during the grinding process.

■ Operation

The A 75 is easy and user-friendly to operate via touch panel. An individual grinding program, consisting of the number of grinding cycles and the selected cutting edge angle, is created and saved for each slicer knife. When the program is called up, the machine automatically adjusts to these values. The required grinding wheels are also shown in the display. The number of grinding programs is unlimited. Updates and remote maintenance are performed via Internet.

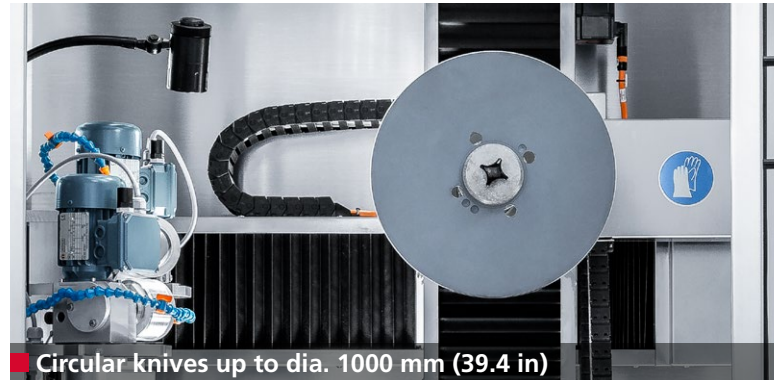
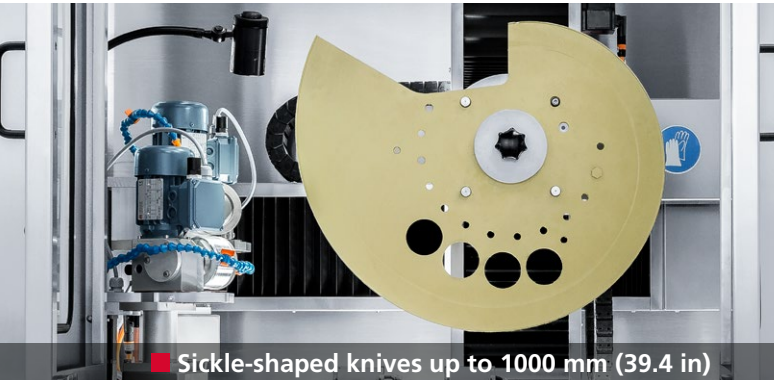
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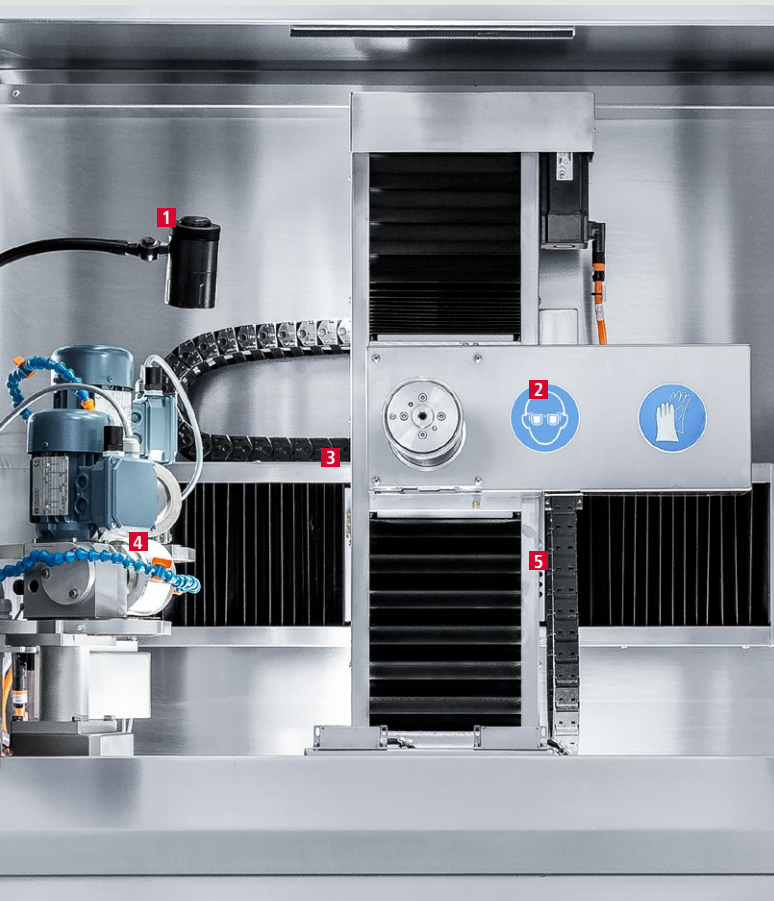
Absolutely repeat accuracy

Precise edges and perfect cutting angles by servo-drives



The conversion from a sickle-shaped knife to a circular knife is a matter of shortest time: mount cam and knife, select grinding program, start the machine.

All cutting tools can be ground single- and double beveled.



- 1 LED work light
- 2 Knife holding fixture
- 3 Horizontal axis
- 4 Grinding units
- 5 Vertical axis

A 75

Technical specifications and space requirements*

■ Depth	1000 mm
■ Width	1900 mm
■ Height	1840 mm
■ Weight	approx. 540 kg
■ Depth*	2200 mm
■ Width*	3700 mm
■ Electrical supply	2.9 kW 3x 400 V 50Hz
■ Back-up fuse	16 A
■ Compressed air supply according ISO 8573-1:2010 [1:4:2]	6 bar
■ Compressed air consumption	< 50l per minute
■ Emission sound pressure level according EN ISO 11201	approx. 72 dB (A)
■ Internet connection	RJ45
■ Largest sickle-shaped knife	1000 mm (39.4 in) or radius 500 mm (19.7 in)
■ Largest circular knife	dia. 1000 mm (39.4 in)

The machine meets the EC safety and health requirements and is provided with the CE-symbol.
As at 02.2024 | Subject to technical modifications

