

AFFOLTER

AFFOLTER TECHNOLOGIES SA



SOLUTION FOR HIGH PRODUCTIVITY AND PRECISION GEAR HOBBING
Spur gear, Helical gear, Facel gear, Bevel gear, Crown gear, Shaft gear...

AF100^{plus}

GEAR HOBBING CENTER

RIGIDITY ■ PRECISION ■ FLEXIBILITY ■ PRODUCTIVITY





AF 100 *plus*

GEAR HOBBING CENTER

- 8 axis CNC
- Max. module **0.80 mm / 32 DP**
- Max. part diameter **36 mm / 1.41 in.**
- Max. cutting length **50 mm / 1.96 in.**



Technical characteristics

Max. part diameter (hob cutter ø 24 mm)	_____	36 mm / 1.41 in*.
Max. cutting length	_____	50 mm / 1.96 in**.
Max. module (depending on material and process)	_____	0.5 - 0.8 mm / 50-32 DP
Max. diameter of the hob cutter	_____	24 mm / 0.94 in.
Max. width of the hob cutter	_____	20 mm / 0.78 in.
Inclination of the cutting spindle	_____	+/- 30°
Max. rotation of the cutting spindle	_____	16'000 rpm
Dimensions (LxWxH)	_____	1180x1660x2589 mm
Weight	_____	1505 kg / 3318 lbs

* According to the setup and the quality required. | ** According to clamping of tools.



CNC-Control

The programing is simple and user-friendly.

The machine comes with a 12" color touch-screen monitor. There is a possibility to network the machines and download the programs on a PC or a server.

Automation

The AF100 *plus* offers a variety of automation solutions to be adapted to any application, ranging from flexible manufacturing of small series up to heigh volume production with an autonomy of 12 to 24 hours:

- Loader semi-automatic - AF10, AF12;
- Drum loader - AF20;
- Universal loader, vibratory bowl feeder, magazine, and many different conveyor options.

Option

The AF100 *plus* offers 3 deburring methods:

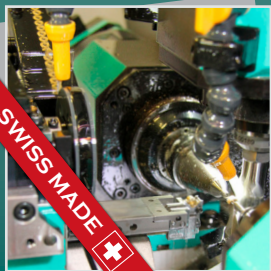
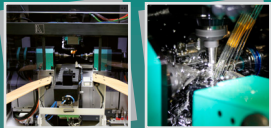
- With 2 hobs mounted for cutting in opposite directions (option motorised Y-axis);
- X minus axis deburring, cutting on both sides of the workpiece with one hob;
- Deburring device AF52.

More options: customizable coolant systems, oil, oilmist, coolant, chip extraction conveyor with filtration, collet clamping, dry cutting, skiving...



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