

AFFOLTER

AFFOLTER TECHNOLOGIES SA



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

AF100^{plus}

GEAR HOBGING CENTER

RIGIDITY ■ PRECISION ■ FLEXIBILITY ■ PRODUCTIVITY





AF100^{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:

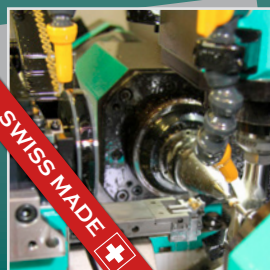
- With 2 hobs mounted for cutting in opposite directions (option motorised Y-axis);
- X minus axis deburring, cutting on both sides of the workpiece with one hob;
- Deburring device AF52.

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

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

Distribution Network

Switzerland | Affolter Technologies SA
 China | Affolter China Co., Ltd
 Germany | D&M GMBH
 United Kingdom | 3A Technologies Ltd
 Italia | Utimac
 Sweden | Hintze Maskin
 East & CEI | Afleth Engineering AG
 USA | Rotec Tools
 Japan | YKT Corporation
 Taiwan | Corremax International
 South Korea | LB Tech Inc.
 India | GT Engineering
 Turkey | Güney Mühendislik
 Brazil | Vison Máquinas e equip.



www.affoltergroup.ch

V 1.0 / 01.2018