

AFFOLTER

AFFOLTER TECHNOLOGIES SA



SOLUTION FOR HIGH PRODUCTIVITY AND PRECISION GEAR HOBBING
Spur gear, Helical gear, Frontal gear, Bevel gear, Crown gear, Worm Gear Power Skiving...

AF110^{plus}

GEAR HOBBING CENTER

RIGIDITY ■ PRECISION ■ FLEXIBILITY ■ PRODUCTIVITY





AF110^{plus}

GEAR HOBBING CENTER

- 8 axis CNC
- Max. module **1.5 mm / 17 DP**
- Max. cutting length **90 mm / 3.54 in.**
- Max. part diameter **60 mm / 2.36 in.**
- Gear Process **Worm Screw Power Skiving**



Technical characteristics

Max. part diameter	_____	60 mm / 2.36 in.*
Max. part length clamping between drive centers	_____	100 mm / 3.94 in.
Max. cutting length clamping between drive centers	_____	50 mm / 1.97 in.**
Max. part length clamping between collet and tailstock	_____	200 mm / 7.87 in.
Max. cutting length clamping between collet and tailstock	_____	90 mm / 3.54 in.**
Max. module (depending on material and process)	_____	1.5 mm / 17 DP
Max. diameter of the hob cutter	_____	38 mm / 1.496 in.
Max. width of the hob cutter	_____	50 mm / 1.97 in.
Inclination of the cutting spindle	_____	+/- 30°
Max. spindles rotation	_____	12'000 rpm ***
Dimensions (LxWxH)	_____	1180x1660x2589 mm
Weight	_____	1800 kg / 3968 lbs

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

CNC-Control

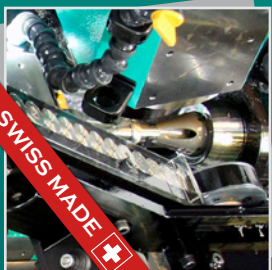
The programing is simple and user-friendly.

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 and option

The AF110^{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:

- Universal loader, vibratory bowl feeder, magazine, and many different conveyor options.
- Customizable coolant systems, oil, oilmist, coolant.
- Option: chip extraction conveyor with filtration, collet clamping, dry cutting, skiving, deburring and Worm Screw Power Skiving process.



- Distribution Network**
- Switzerland | Affolter Technologies SA
 - China | Affolter China Co., Ltd
 - Germany | D&M GMBH
 - United Kingdom | 3A Technologies Ltd
 - Italy | Utimac
 - Sweden | Hintze Maskin
 - East & CEI | Alfleth Engineering AG
 - USA | Rotec Tools
 - Taiwan | YKT Corporation
 - South Korea | Coremax International
 - India | GT Engineering
 - Turkey | Güney Mühendislik
 - Brazil | Vison Máquinas e equip.

