

AFFOLTER

AFFOLTER TECHNOLOGIES SA



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

AF 110 *plus*

GEAR HOBGING 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	1505 kg / 3318 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:

- AF45 and AF71 loaders with 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 | Alfith 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



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