

AFFOLTER

SOLUTIONS
FOR HIGH PRODUCTIVITY
AND PRECISION
GEAR HOBBING

AF160

GEAR HOBBING MACHINE





AFF160

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- 8 axis CNC
- Max. module **2.0 mm / 12.7 DP**
- Max. cutting length **110-180 mm / 4.33- 7.09 in.**
- Max. part diameter **60 mm / 2.36 in.**



Technical characteristics

Max. part diameter	60 mm / 2.36 in.*
Max. part length	150-260 mm / 5.9-10.24 in.**
Max. machining length	110-180mm / 4.33-7.09 in.*
Max. module (depending on material and process)	2.0 mm / 12.7 DP
Max. hob diameter (gear hobbing)	50 mm / 1.97 in.
Max. cutter diameter (worm milling)	100 mm / 3.93 in.
Max. width of the hob cutter	80 mm / 3.14 in. (2x40)
Axis Stroke X (offset)	70 mm / 2.75 in.
Inclination of the cutting spindle A	+/- 50° (up to -115°) ***
Spindle rotation B	9'000 rpm
Spindle rotation C-C'	9'000 rpm
Dimensions (LxWxH)	1'500x2'010x2'650 mm
Weight	3'900 kg / 8'598 lb

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



CNC-Control

The AFFOLTER digital control is equipped with a high-performance industrial PC offering high processing power and ensuring extremely fast regulation and interpolation cycle times. It controls all machine axes as well as a multitude of peripherals for various options and automations. Programming is simple and user-friendly with its 19" colour TFT touch screen. Among other things, there is the possibility to network the machines in the workshop and to load the programmes on a PC.

Automation and option

The AF160 offers a variety of automation solutions to be adapted to any application, ranging from flexible manufacturing of small series up to high volume production with an autonomy of 12 to 24 hours:

- Specific 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 machine configuration for worms hobbing and milling : up to -115°



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