

# AFFOLTER

SOLUTIONS  
FOR HIGH PRODUCTIVITY  
AND PRECISION  
GEAR HOBBING

## AF140

GEAR HOBBING MACHINE



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AF140





# AF140

## GEAR HOBBING MACHINE

- 8 axis CNC
- Max. module **1.0 mm / 25.4 DP**
- Max. part diameter **40 mm / 1.57 in.**
- Max. cutting length **50 mm / 1.97 in.**



### Technical characteristics

|                                      |                    |
|--------------------------------------|--------------------|
| Max. part diameter                   | 40 mm / 1.57 in.   |
| Max. part length                     | 125 mm / 4.92 in.  |
| Max. machining length                | 50 mm / 1.97 in.   |
| Max. module                          | 1.0 mm / 25.4 DP   |
| Max. hob diameter                    | 50 mm / 1.97 in.   |
| Max. width of the hob cutter         | 80 mm / 3.14 in.   |
| Inclination of the cutting spindle A | +/- 30°            |
| Spindle rotation B                   | 16'000 rpm         |
| Spindle rotation C-C'                | 5'000 rpm          |
| Dimensions (LxWxH)                   | 850x1'050x1'810 mm |
| Weight                               | 990 kg / 2'182 lbs |



### CNC-Control

The AFFOLTER CNC Pegasus digital control is equipped with a high-performance industrial PC BECKHOFF 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 AFFOLTER AF140 offers a variety of automation solutions to be adapted to any application, ranging from flexible manufacturing of small series up to high volume with an autonomy of 12 to 24 hours:

- Specific loaders with Industrial Robot, Vibratory bowl feeder, Magazine, and conveyor options.
- Coolant systems oil, oilmist, coolant.
- Options: Deburring, Collet clamping, Skiving, Part orientation and Part detection.

to any application



### DISTRIBUTION NETWORK

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