

**AFFOLTER**  
AFFOLTER TECHNOLOGIES SA



SOLUTIONS FOR SMALL DIAMETER FINE MODULE / PITCH GEAR HOBBING



- Precision
- Productivity
- Flexibility

**GEAR AF 100**  
GEAR HOBBING CENTER

AFFOLTER



# GEAR AF 100

## GEAR HOBBING CENTER

- 12 axis CNC
- Max. Module 0.8 mm / 32 DP
- Max. cutting length 50 mm / 1.97 in.
- Max. part diameter 36 mm / 1.42 in.

*The most flexible!*



### Technical characteristics

Max. part diameter (hob cutter $\varnothing$ 24 mm)	36 mm / 1.42 in.
Max. cutting length	50 mm / 1.97 in.
Max. module (depending on material and process)	0.5 - 0.8 mm / 50-32 DP
Max. diameter of the hob cutter	24 mm / 0.95 in.
Max. width of the hob cutter	20 mm / 0.79 in.
Inclination of the cutting spindle	+/- 30°
Max. rotation of the cutting spindle	16'000 rpm
Dimensions (LxWxH)	960x1160x1850 mm
Weight	1200 kg / 2640 lbs



### CNC-Control

CNC-Control Affolter type Leste 12;  
 High speed Interpolation DHI  
 (Direct Hardware Interpolation);  
 Touchscreen 12";  
 Simple, user-friendly operating;  
 Possibility to network the machines and download  
 the programs on a PC or a server.



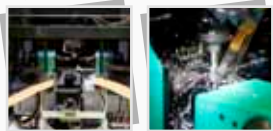
### Automation

Loader semi-automatic - AF10, AF12;  
 Drum loader - AF20;  
 Universal loader - AF45 / AF70, with vibratory bowl,  
 magazine, oil impulse, or conveyor options;  
 CNC Robot loader.



### Deburring

The AF100 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 (option).



Watch pinion  
with double gear



Helical Planet gear



Gear Shaft

[www.affoltergroup.ch](http://www.affoltergroup.ch)



#### Sales network

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