

**AFFOLTER**  
AFFOLTER TECHNOLOGIES SA



SOLUTIONS FOR SMALL DIAMETER FINE MODULE / PITCH GEAR HOBBING



- Precision
- Productivity
- Flexibility

**GEAR AF90**  
HIGH-PRODUCTIVITY GEAR HOBBING MACHINE

AFFOLTER



# GEAR AF90

HIGH-PRODUCTIVITY GEAR HOBBING MACHINE

- 8 axis CNC
- Max. module 0.8 mm / 32 DP
- Max. cutting length 40 mm / 1.57 in.
- Max. part diameter 30 mm / 1.18 in.

*The most compact!*



## Technical characteristics

Max. part diameter (hob cutter $\varnothing$ 24 mm)	30 mm / 1.18 in.
Max. cutting length	40 mm / 1.57 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 (manual)	+/- 10°
Max. rotation of the cutting spindle	16'000 rpm
Dimensions (LxWxH)	750x836x1814 mm
Weight	650 kg / 1430 lbs



## CNC-Control

CNC-Control Affolter type Leste 8;  
 High speed Interpolation DHI  
 (Direct Hardware Interpolation);  
 Touchscreen 10";  
 Simple, user-friendly operating;  
 Possibility to network the machines and download  
 the programs on a PC or a server.



## Automation

Drum loader - AF20;  
 Universal loader - AF45 with vibratory bowl,  
 magazine or oil impulse options;

## Deburring

The AF90 offers 2 deburring methods:  
 - With 2 hobs mounted for cutting in opposite  
 directions (option motorised Y-axis);  
 - Deburring device AF52 (option).



Watch pinion



Watch pinion  
with double gear



Planet gear

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



### Sales network

Switzerland/EU | Affolter Technologies SA  
 Germany | D&M GMBH

Sweden | Hintze Maskin  
 Eastern Europe | Alfieth Engineering AG  
 USA/CAN/MEX | Parker Industries

Brazil | Vison Máquinas e equip.  
 Japan | YKT Corporation  
 China | Affolter China

Taiwan | Corremax International  
 Korea | LB Tech Inc.  
 India | Heatly & Gresham