

AFFOLTER
AFFOLTER TECHNOLOGIES SA



SOLUTIONS FOR HIGH PRODUCTIVITY AND PRECISION GEAR HOBBING



- Precision
- Productivity
- Flexibility

GEAR AF 101
ROBOTISED GEAR HOBBING CENTER

AFFOLTER



GEAR AF 101

ROBOTISED GEAR HOBBING CENTER

- 8 axis CNC
- Max. module 0.8 mm / 32 DP
- Max. cutting length 50 mm / 1.968 in.
- Max. part diameter 36 mm / 1.417 in.

The most automatised!



Technical characteristics



Max. part diameter (hob cutter \varnothing 24 mm)	36 mm / 1.417 in.
Max. cutting length	50 mm / 1.968 in.
Max. module (depending on material and process)	0.5 - 0.8 mm / 50-32 DP
Max. diameter of the hob cutter	24 mm / 0.944 in.
Max. width of the hob cutter	20 mm / 0.787 in.
Inclination of the cutting spindle	+/- 30°
Max. rotation of the cutting spindle	16'000 rpm
Dimensions (LxWxH)	1469x1628x1847 mm
Weight	1300 kg / 2860 lbs

CNC-Control



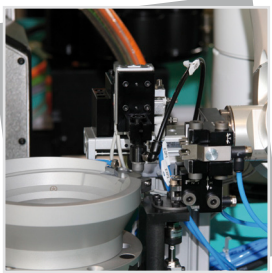
CNC-Control Affolter type Leste 12;
High speed Interpolation DHI
(Direct Hardware Interpolation);
Touchscreen 12";
Simple, user-friendly operating;
Possibility to network the machines and download
the programs on a PC or a server.

Automation

The Gear AF101 is designed for applications that require a high degree of automation.

A wide range of feeding systems can be integrated into the AF101 cutting center as - Pallet feeder, Vibratory Bowl Feeding System, Belt conveyor with parts detection by vision, Feeding rail unit, and Feeding chain unit.

The following options show an overview of the possibilities that the AF101 offers - Cleaning Station, Sampling unit, Stack Hob Cutting of wheels and Parts measuring station.



Escape Wheel



Watch Wheel



Rotary Dental Tool

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Sales network

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