



GEAR AF100

GEAR CUTTING CENTER



- ▶ PRECISION
- ▶ PRODUCTIVITY
- ▶ INNOVATION

AFFOLTER

GEAR AF 100

TECHNICAL CHARACTERISTICS

| | |
|---|--------------------------|
| Max. part diameter (hob cutter \varnothing 24 mm) | 36 mm |
| Max. cutting length | 50 mm |
| Max. module (depending on material and process used) | 0.5 - 0.8 mm |
| Max. diameter of the cutter | 24 mm |
| Max. length of the cutter | 25 mm |
| Angle of inclination of the cutter in automatic mode to the left | 30° |
| Angle of inclination of the cutter in automatic mode to the right | 30° |
| Rotation of the cutting spindle | 16'000 min ⁻¹ |
| Dimensions (L x W x H) | 1210x960x1815 mm |
| Weight | 1200 kg |

COMPUTER NUMERIC CONTROL CNC

- CNC-control Affolter type AGIL8-10
- LCD graphic screen with 52 keys
- High speed Interpolation DHI (Direct Hardware Interpolation)
- Simple, user-friendly operating
- Possibility to network the machines and download the programs on a PC or a server



DEBURRING

The AF100 offers 3 deburring methods:

- With 2 hobs mounted for cutting in opposite direction
- X-axis deburring, cutting on both sides of the workpiece with one hob
- Deburring device Type AF52 (option)

AUTOMATION



- Semi-automatic loader type AF10
- AF20, AF25 drum loaders
- CNC robot loader
- Adaptation of loaders type W20, W25, W31, W38, S28
- Adaptation of other types of loaders on request

EXEMPLES OF APPLICATIONS



Watch pinion with double gear



Helical gear 25°, module 0.5 mm



Escapement wheel



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