TECHNICAL DATA SHEET

CNC900 Compact



Key features

- **HSC** (High Speed Cutting) for standard dynamics management, or through FVS smoothing, or using polynomial curves (G69 mode)
- **Real-Time Graphic (RTG)** – for 3D visualization of the toolpath in wire-frame mode
- **Graphic simulation** – to verify the result of the programming
- **Graphic search** - to determine the starting point of the machining directly from the graphics
- **Four programming languages:**
- **ISO** (DIN 66024), (DIN 66024), a standard for programming of 2D profiles characterized by defined entities
- **GAP**, based on non-oriented geometry, allows to define profiles also characterized by geometric
- **EXPERT**, based on oriented geometry and a extremely simple and intuitive syntax
- **LIP**, allows the creation of parametric programs (macros) that can be recalled

CNC902 Compact

- **Standard turning cycles** - for easy programming of common machining operations
- **Plate tool management** - depending on tool orientation
- **Graphic simulation** – to verify the result of the programming
- **Four programming languages** (ISO, GAP, EXPERT, LIP)

CNC905 Compact

- **Retrace mode** - to reposition the cutting head
- **Automatic zoom/shift** of real-time graphics
- **DRF mode** – real-time translation of the part-program origin
- **Technological database** - for the management of cutting parameters according to materials, cutting quality and technology

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Technical data

	CNC900 Compact
Monitor (Inches)	12”
Aspect ratio	4:3
Width [mm]	420
Height [mm]	350
Touch screen	X
Hard Disk (standard/optional) [GB]	32
Max number of axes/spindles	8
INTERPOLATION AND CONTROL	
Control loop cycle time [us]	250
Look ahead blocks	300
Jerk Control	X
G69 Polynomial Interpolation	X
Speed loop control	X
Speed loop control	X
Number of tools / turning plates	200