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Complies with current CE/EMC safety directives

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### **BA 1008**

3-8-axis horizontal machining centre for machining bars

## **BA 1008HP**

Optimal management of fluids, workpieces and swarf

The BA 1008 is fed with bars via the machine, using a divider system which allows workpieces up to a diameter of 16 mm to be loaded. Positioned machining operations and interpolation between the tool systems and the workpiece are easily possible. With 4 frontal spindles, 3 lateral spindles and 2 secondary operation spindles, the BA 1008 is well equipped to service Almac's trademark industry: micro machining.

High productivity thanks to multi-

Ultra-compact footprint

The BA 1008 range has been extended with the BA 1008HP. Like the BA 1008 machining centre, the BA 1008HP is fed with bars and equipped with 4 frontal spindles, 3 lateral spindles and 2 secondary operation spindles.
The BA 1008 HP integrates a complete through-spindle cooling

module for faster and even more precise machining operations.

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(BA 1008HP)

of fluid and

area specially adapted for

8



Number of axes		6 linear + 1 C axis + 1 B axis
U/V/W travel	mm	26/160/200
Max. bar capacity (F22 nose collet)	mm	16
Maximum number of tools		10
Front spindles	rpm	4 x 12,000 spindles (mechanical),
		28,000 (HF) or 80,000 (HF)
Lateral spindles	rpm	3 x 12,000 spindles (mechanical),
		28,000 (HF) or 80,000 (HF)
Secondary operation	rpm	2 x 28,000
		(HF) or 80,000 (HF) spindles
Shearing		1 tool (Ø 80 mm)
Control type		Fanuc 0iMD/0iMF
Overall dimensions (L x W x H)	mm	2400 x 650 x 1600
Weight	kg	950

TYPE OF PARTS:

Watchmak-

Automotive Links Medical Dial components

Windows ing

Optical Luxury

Number of axes		6 linear + 1 C axis + 1 B axis
U/V/W travel	mm	26/160/200
Max. bar capacity (F22 nose collet)	mm	16
Maximum number of tools		10
Front spindles	rpm	4x12,000 spindles (mechanical),
		28,000 (HF or HP)
		or 80,000 (HF)
Lateral spindles	rpm	3 x 12,000 spindles (mechanical),
		28,000 (HF) or 80,000 (HF)
Secondary operation	rpm	2 x 28,000
		(HF or HF/HP) or 80,000 (HF)
Shearing		1 tool (Ø 80 mm)
Control type		Fanuc 0iMD/0iMF
Dimensions (L x W x H)	mm	3200 x 998 x 1690
Weight	kg	1200

**CU 3007** 

to Ø 27 mm

Spindle up to

40,000 rpm

The gateway to 3-5-axis machining

The CU 2007 and CU 3007 combine dynamic performance and outstanding reliability with Swiss expertise and precision, enabling Almac to offer its customers a truly innovative solution. The comprehensive standard equipment, combined with the expertise of the company's engineers, creates the optimal conditions for producing complex workpieces.

High-performance 3-5-axis machining

Ultra-quick tool changes

Different integrated automation systems depending on the workpiece requirements

External robotisation on request



Number of linear axes		3 to 5 simultaneous
X/Y/Z axis	mm	500/400/470
Number of tools	tools	16/24/40
Tool holder		BBT 30/HSK E40
Spindle max. speed	rpm	12,000, 20,000 or 40,000
Rapid feed	m/min	60
Work table dimensions	mm	650 x 400
Control type		Fanuc 0iMD/31iB/31iB-5
PA/PS precision		6/3
Overall dimensions (L x W x H)	mm	1580 x 2450 x 2410
Weight	kg	2500

TYPE OF PARTS:

Secondary machining of series parts

Medical

Connectors

Watchmaking

Automotive

Luxury

Number of linear axes		3 to 5 simultaneous
X/Y/Z axis	mm	700/400/470
Number of tools	tools	16/24/40
Tool holder		BBT 30/HSK E40
Spindle max. speed	rpm	12,000, 20,000 or 40,000
Rapid feed	m/min	60
Work table dimensions	mm	850 x 400
Control type		Fanuc 0iMD/31iB/31iB-5
PA/PS precision		6/3
Overall dimensions (L x W x H)	mm	2100 x 2450 x 2410
Weight	kg	3000

# **CU 1007R**

Compact machining centre, 3 to 5 axes

#### THE COMPANY

The ultra-precise CU 1007R 3-5-axis machining centre is designed to produce complex microtechnology components with exacting technological requirements. It owes its versatility to its modular design, extremely simple CNC programming and comprehensive standard configuration.

Small footprint

Rapid, precise machine

Quick, easy access to the machining area and tool magazine
Economic solution

Number of linear axes		3 to 5 simultaneous
X/Y/Z axes	mm	280/120/230
Number of tools	tools	12/20/30/48
Tool holder		HSK E32/HSK E40/ISO 25
Spindle max. speed	rpm	30,000/40,000
Rapid feed	m/min	16
Control type		Fanuc 0iMD/31iB/31iB-5
PA/PS precision		3/1
Overall dimensions (L x W x H)	mm	1420 x 1430 x 2210
Weight	kg	2000

TYPE OF PARTS:

Optical

Watch and clock movements

Connectors

Electrodes

Watch and clock decoration Almac was founded in 1987 in La Chaux-de-Fonds, Switzerland, the heart of the watchmaking industry.

Almac specialises in metal cutting machining solutions, in particular for the medical microtechnology and high-end watchmaking micromechanical industries. These markets are characterised by their small parts, extreme precision and machining quality. All Almac machines are specially designed to work with these characteristics.

Almac is renowned for its high-quality custom solutions. We create turnkey solutions to your technical specifications. Each machining centre has its own characteristics when it leaves the production plant.

