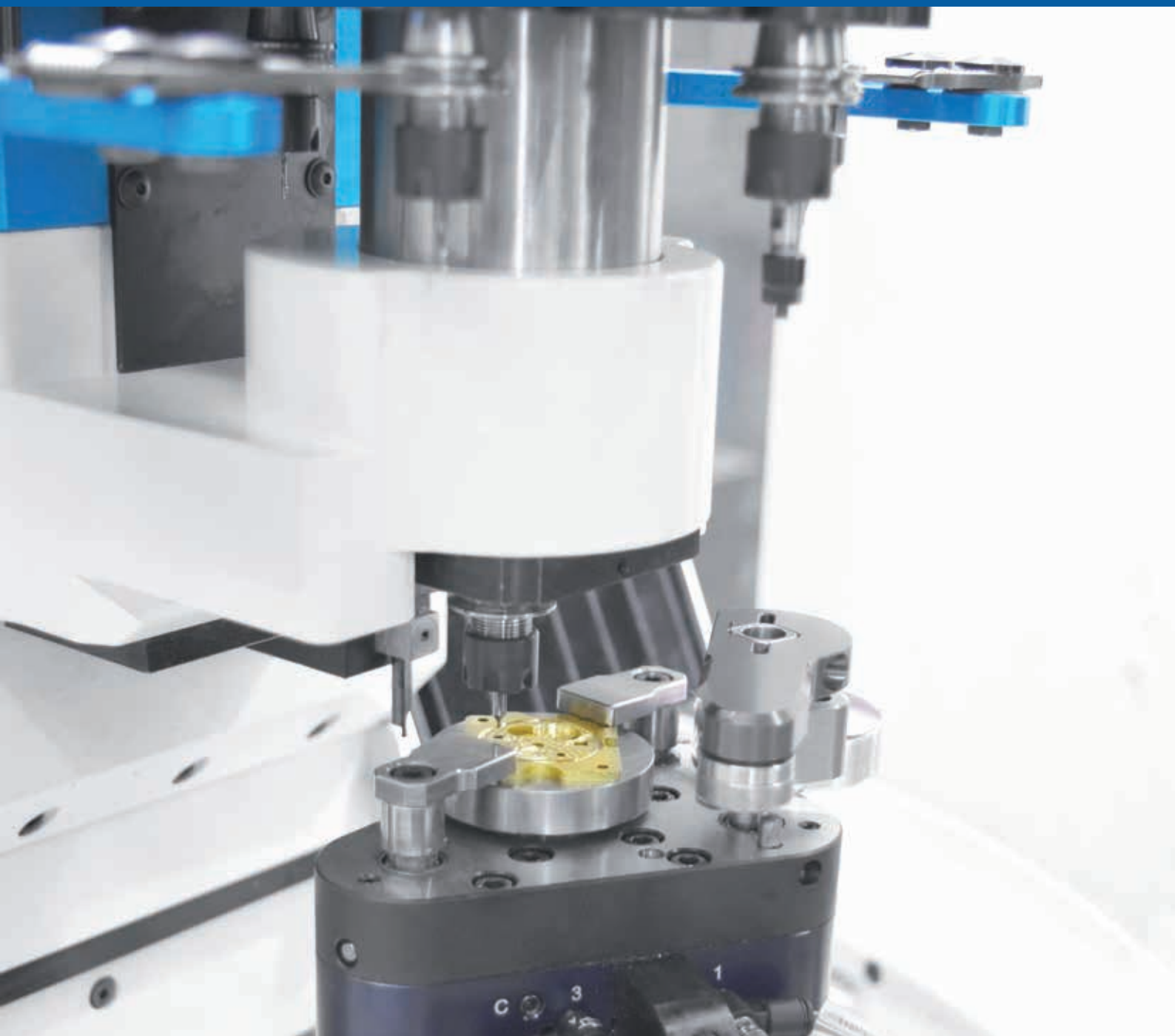


◀WATCHMAKING▶

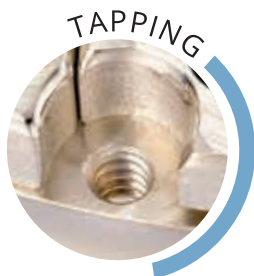
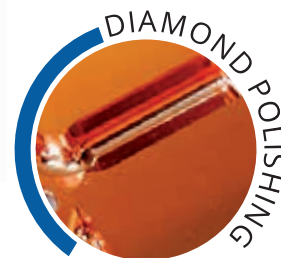
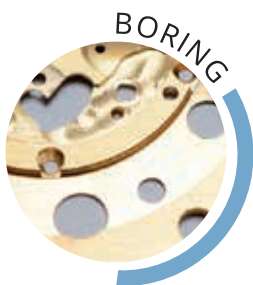
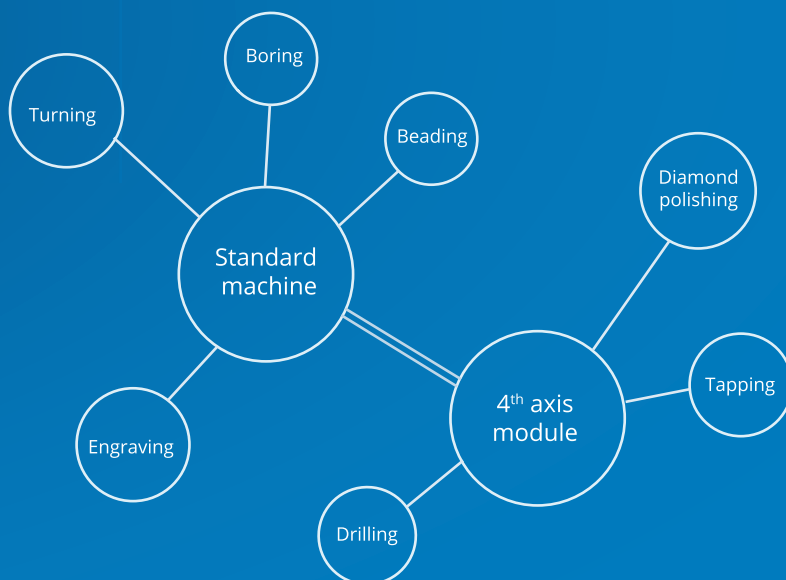


Flexible high performance machining center





ATONE is a compact machine with 4 axis based on a simple but powerful concept. Like an atom, the concept of the machine is to have a standard base around which an important number of machining possibilities is revolving. The customizing of an ATONE machine is very varied : 4th axis, multispindle head, loading robot, etc. This new machine concept will allow to realize the most varied machining : beading, diamond polishing, engraving, milling, drilling, tapping, turning...



ATOME combines performance, flexibility and compactness for the production of small and medium series of timepieces. It allow to machining and decorate all kinds of components to meet your highest requirements.

NEW TOOL CHANGER

Its ISO 10 or HSK 25 tool changer has 12 locations with a compact disposition around the spindle. Its two arms allow a quick change of the tool.



NEW 4th AXIS

This new 4th axis allows turning up to 4000 rpm and a precise positioning of the workpiece. Composed of a 7.8 kW Motor, a pneumatic rotary joint with 7 channels, and a draft with a force of 700 N, it allows the establishment of many placings and accessories : chuck, clamp, tackle, side press, ejector, vacuum.



AUTOMATIC LOADING



TECHNICAL DATA

Standard machine

TRIAX 100

Strokes X / Y / Z	210 / 90 / 160 mm
Speed X / Y / Z	20 m / min
Acceleration X / Y / Z	10 m/s ²
Application domains	Watchmaking
Spindle speed	40 000 rpm
Numeric CN	FANUC Oi MF

Options

4th axis (4000 rpm)
 Loading robot
 Measurement rules HEIDENHAIN
 Multispindle head PIBOMULTI
 Palletisation YERLY
 Tools changer ATOME - 12 tools

Dimensions L x l x h	1350 x 900 x 1990 mm
Power supply (Europe)	400 V AC / 63 A / 50 Hz
Total weight	1.3 tons



EMISSA SA

Jambe Ducommun, 18 • CH 2400 Le Locle

Tel: +41 32 933 06 66 • Fax: +41 32 933 06 60 • info@emissa.com

www.emissa.com



IMPLANTATION

