

◀WATCHMAKING / OTHER▶



# SPEEDTOOL 100

High precision machining and micromachining machine.



# PRECISION AND PRODUCTIVITY

The SPEEDTOOL 100 is a high precision machining and micromachining machine with 4 axis. It's mainly dedicated to the machining of complex or high precision parts. The use of SPEEDTOOL 100 guarantees absolute and constant quality, main criterias required by the medical industry and the watch / jewelry sector.



## Pieces made on SPEEDTOOL 100 :

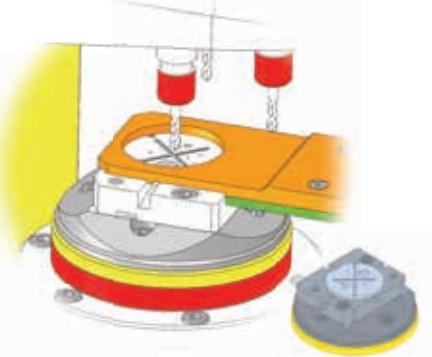
Turntables of watch movements, bridges, dials, winders and other small components of the movement...



## MACHINING STATION

### Machining on fixed station

Settings with central clamp system and extractor



### Machining on turning station

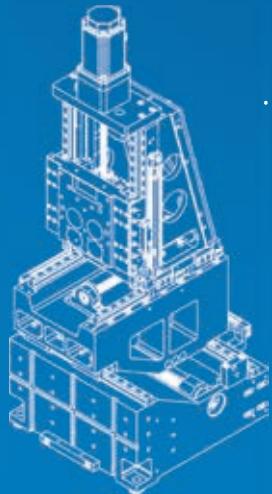
Settings with tension clamp system and extractor



# BUILD YOUR MACHINE TO SUIT YOUR NEEDS



## TRIAX 100 UNIT



- 2 HF vertical spindles
- 4 HF horizontal spindles



- 4 HF vertical spindles

### POWERFUL 4<sup>th</sup> AXIS

The 4<sup>th</sup> axis spindle fixed under the base of TRIAX module shows improved performances in terms of rigidity and precision, at the range of micron.

The C axis offers two distinct modes of operation :

- High positioning accuracy, followed by low-speed path.
- Ability to perform turning work up to 6000 rpm.

### NO DOWNTIME

The SPEEDTOOL 100 is equipped as standard with a machining unit TRIAX 100 with increased performances in terms of rigidity and precision to the micron.

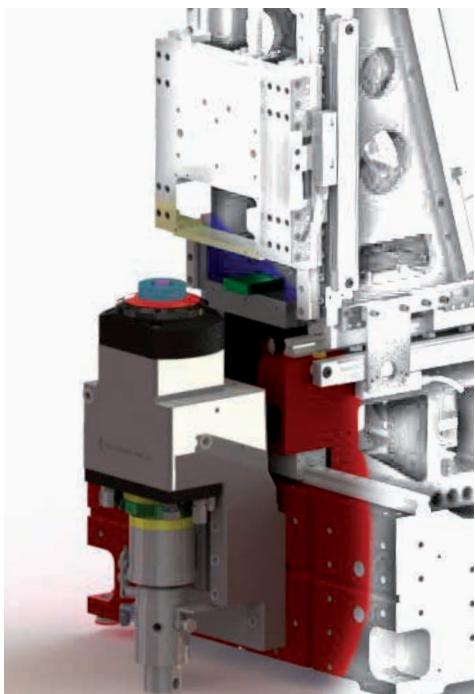
The turntable 180 ° allows loading / unloading during machining cycle to avoid

### HIGH SPEED SPINDLES

High speed spindles are powerful and very accurate.

Ideal for a high quality and efficient cutting performance, it provides speeds up to 40 000 rpm and high performance with their synchronous motors.

- The system is HSK 40 / HSK 32 or ISO 10 modular with a quick load.



# TECHNICAL DATA

## Standard machine

### TRIAX 100

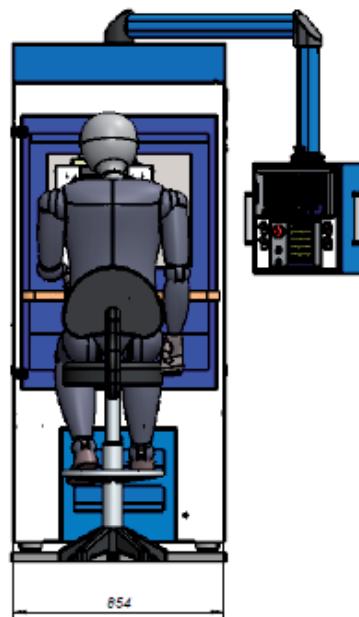
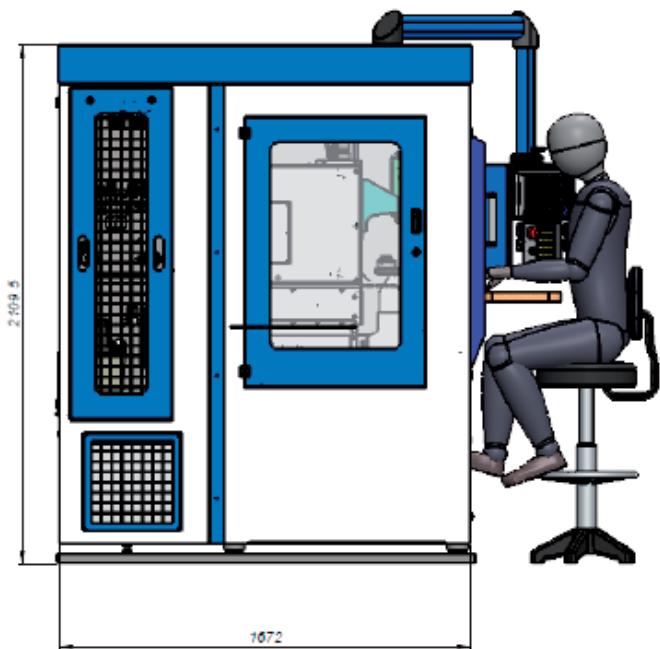
Strokes X / Y / Z	120 / 130 / 150 mm
Speed X / Y / Z	20 m / min
Acceleration X / Y / Z	10 m/s <sup>2</sup>
Pallets repeating accuracy	0.003 mm
Application domains	Watchmaking / other
Spindle speed	40 000 rpm
Numeric CN	FANUC OiMD

## Options

4 <sup>th</sup> axis
Loading robot
Measurement rules HEIDENHAIN

Dimensions L x l x h	1672 x 854 x 2109 mm
Power supply (Europe)	400 V AC / 63 A / 50 Hz
Total weight	2 tons

# IMPLANTATION



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