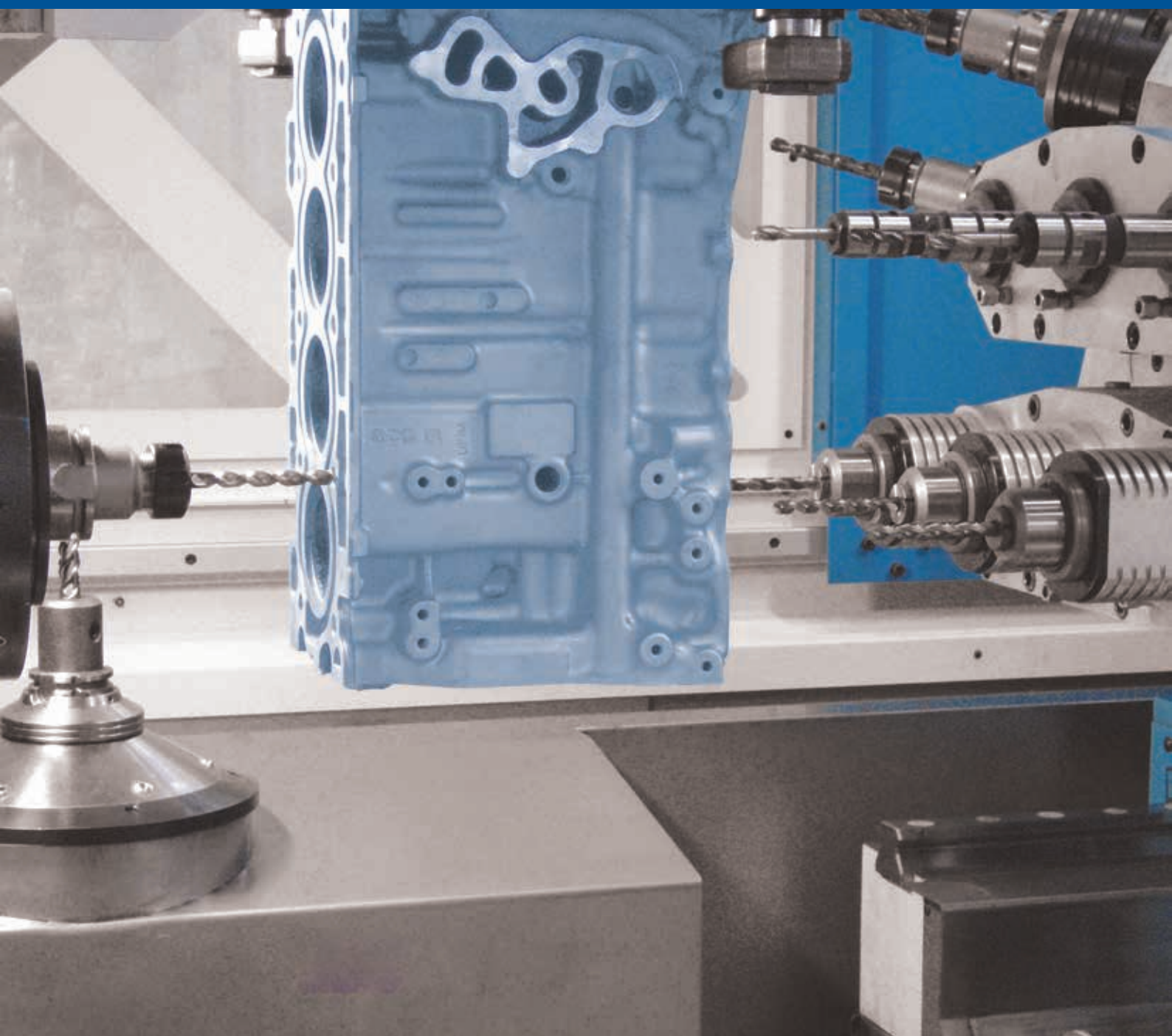


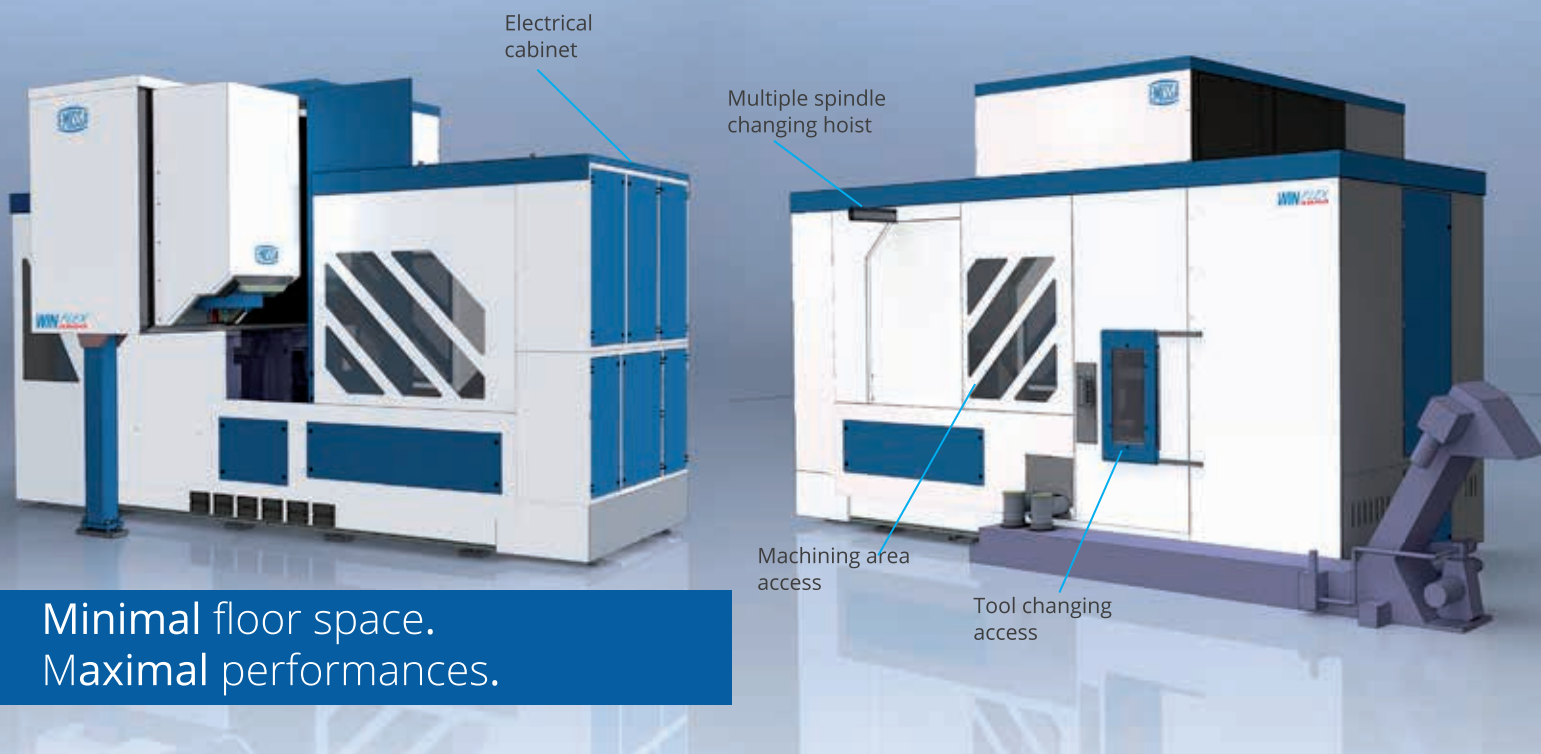
◀ AUTOMOTIVE ▶



WINFLEX 3800

Flexible multifunctional machining center





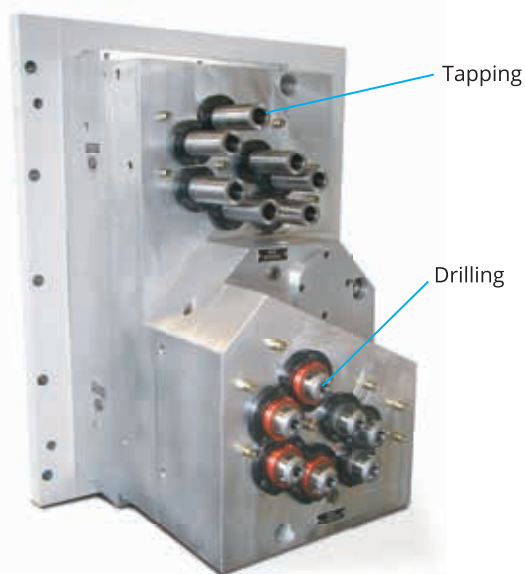
The WINFLEX 3800 is based on a modular architecture specially designed to **minimize the floor space** while maintaining a maximum of productivity. It's revolutionary design, unmatched on market, combines capabilities of a machining center with performances of PIBOMULTI machining heads. For taking piece, **only a conveyor is enough**; the WINFLEX 3800 don't need any robot or manipulator.

An ecological machine.

The WINFLEX 3800 is able to replace, by itself only, 4 classical 4 axis machining centers. This equivalence significantly reduces overall electrical consumption. The chip removal area and machining area have been designed to minimize at maximum the need of lubricant. All these energy savings are an important asset when ecology is a subject which concern all sectors of activity.

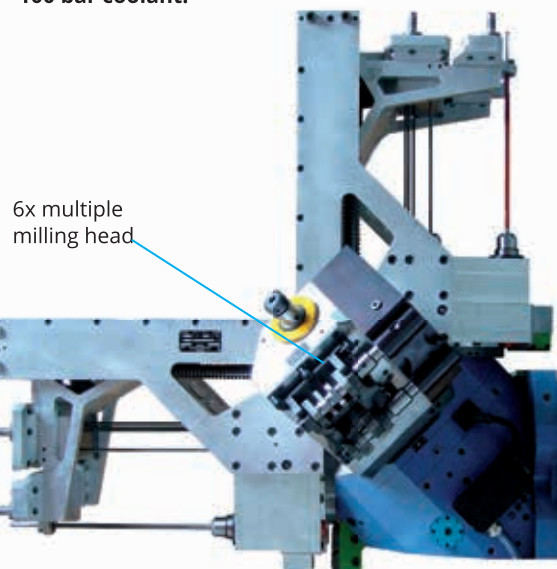


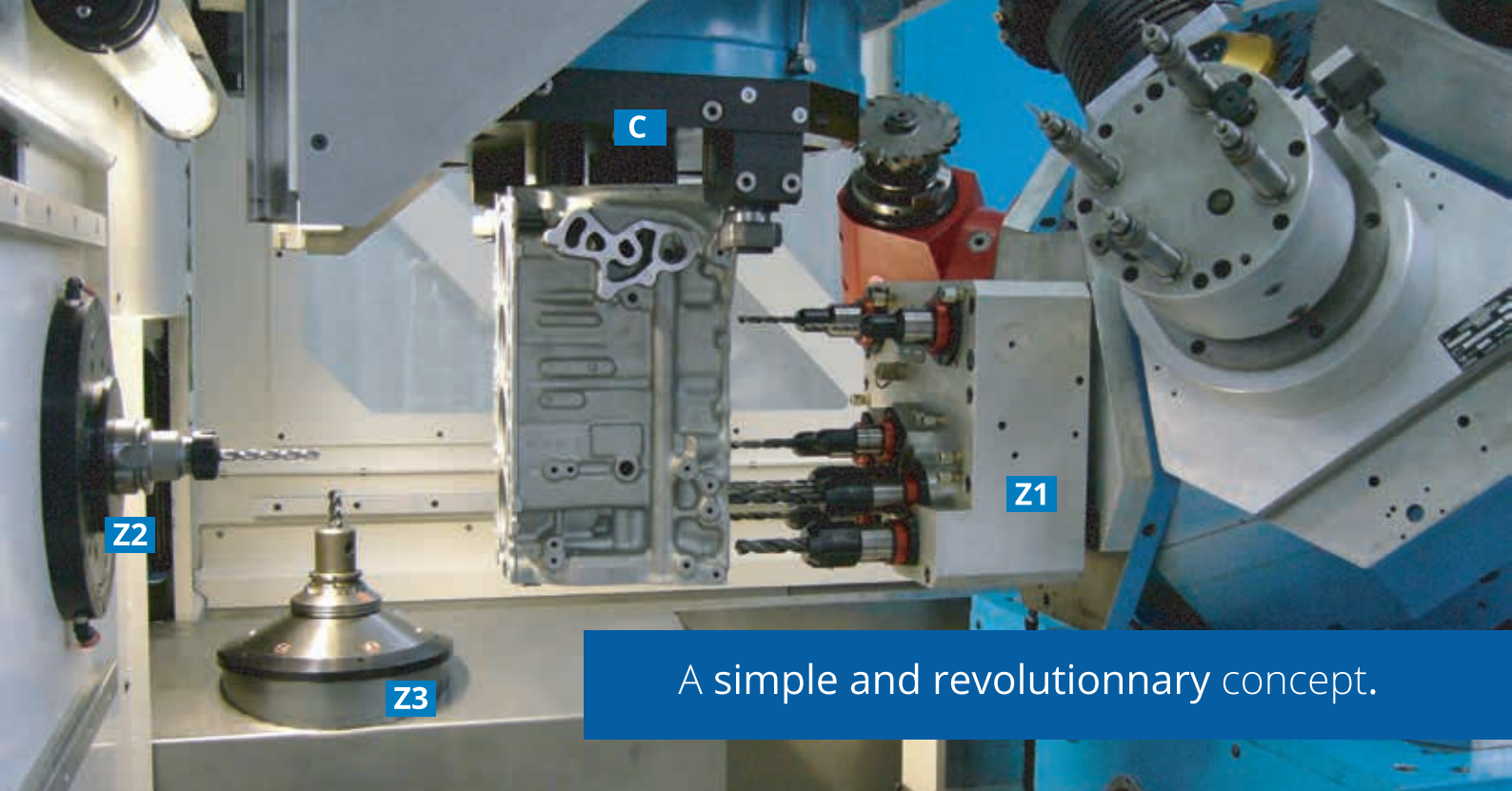
Performants tools.



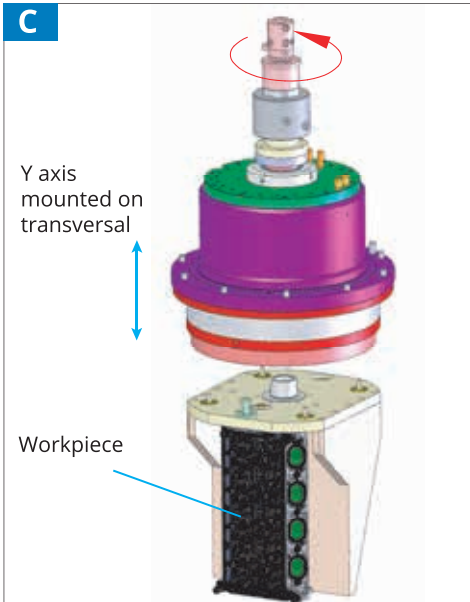
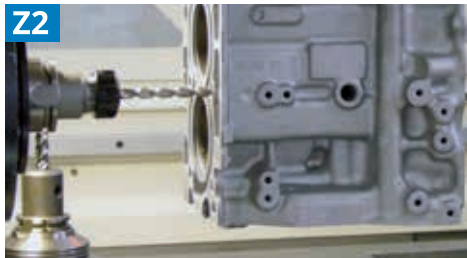
PIBOMULTI
SWISS MADE

**Deep drilling with high pressure
100 bar coolant.**



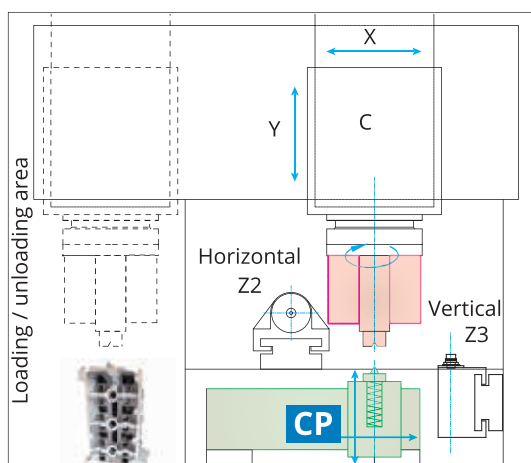
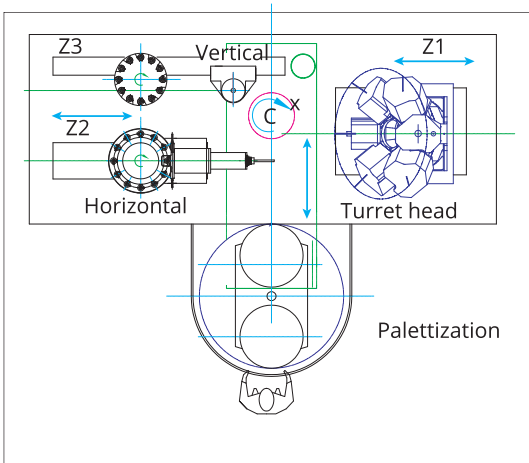


A simple and revolutionnary concept.



- Z1** • A turret head TRH 806 capable of carrying large and powerful tools like multiple-spindle heads or bevel gearboxes.
- Z2** • Horizontal HSK63 spindle with tool changer (24 tools).
- Z3** • Vertical HSK63 spindle with tool changer (12 tools).
- C** • C axis
- CP** • Mobile hydraulic tailstock an slave axis to resume machining efforts.

All tool changes are made during machining time, **there's no downtime.**



TECHNICAL DATA

Standard machine

Machining module

Maximum dimensions of part	650 x 650 x 650 mm
Speed X / Y / Z1 / Z2 / Z3	30 m / min
Speed C axis	100 rad / min
Accelerations X / Y / Z1 / Z2 / Z3	5 m/s ²
Application domains	Automotive
Spindle speed	4500 rpm to 8000 rpm
Numeric CN	FANUC 31i-A 7 axis

Turret head TRH 806 (fig 3)

Speed	4500 rpm at entry
Power	30 kW from 1500 to 4500 rpm
Torque	150 Nm

Horizontal and vertical spindles

Speed	8000 rpm
Power	15 kW from 3500 to 8000 rpm
Torque	41 Nm

Dimensions L x l x h	6900 x 4000 x 3800 mm
Power supply (Europe)	400 V AC / 63 A / 50 Hz
Total weight	33 tons



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IMPLANTATION

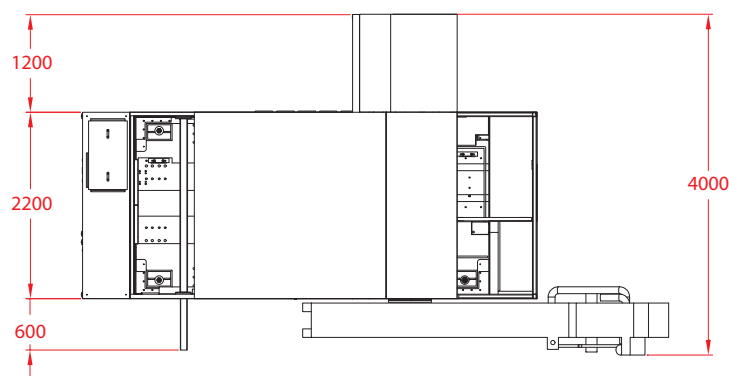
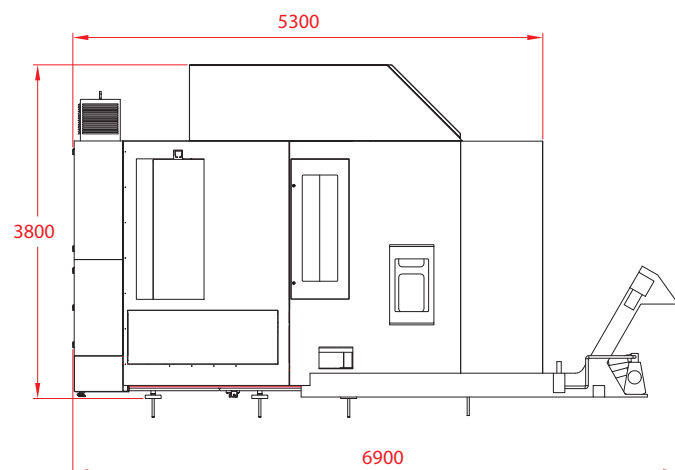


fig 3 - TRH 806