

RGIFRANCE
créateur de machines-outils

BUSINESS PRESENTATION



465 Chemin d'Envernhe – ZIA des pommiers
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SIRET – 821 943 008 00010 – NAF – 2841 Z

RGI FRANCE

créateur de machines-outils

OUR COMPANY



RGIFRANCE

créateur de machines-outils

THEY TRUSTED US



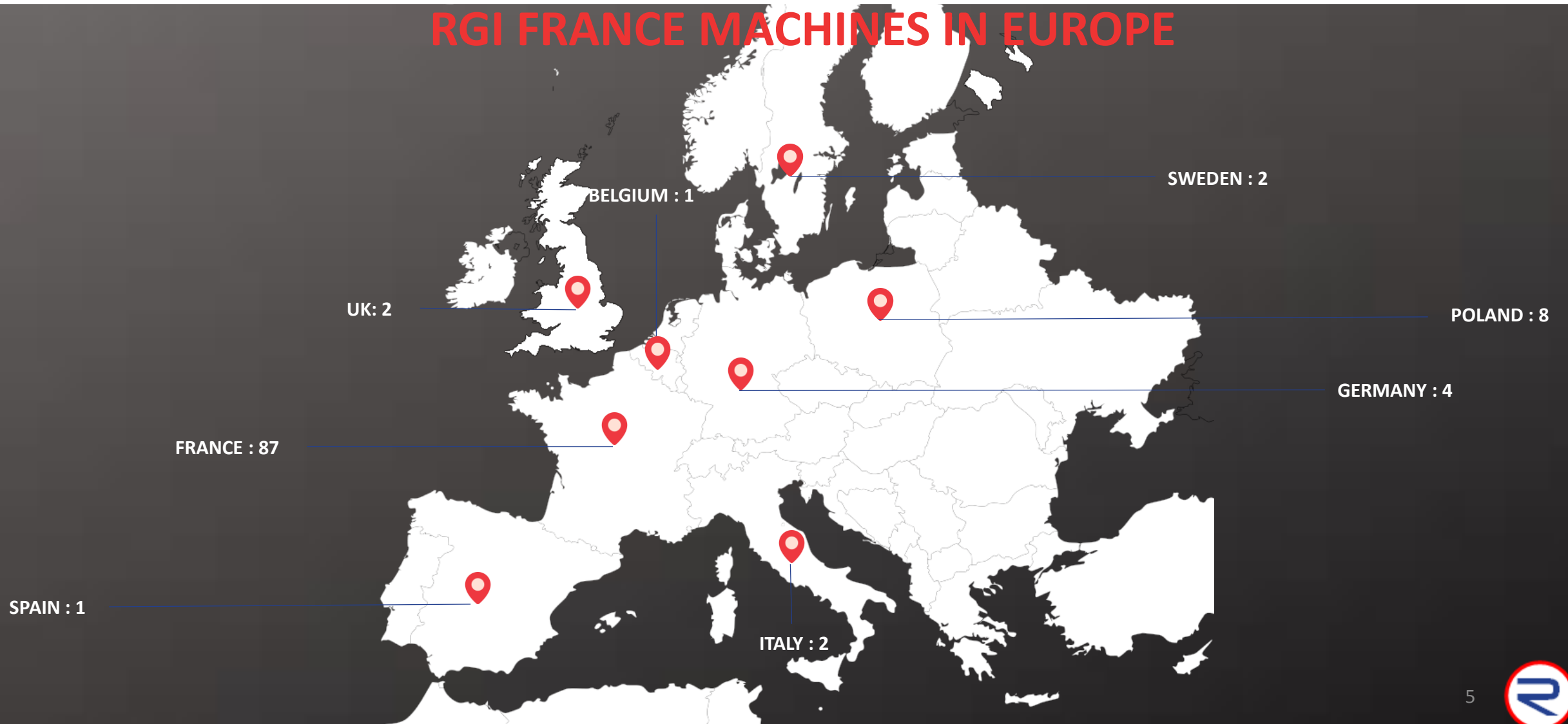
RGI FRANCE

créateur de machines-outils

RGI FRANCE MACHINES IN THE WORLD



RGI FRANCE MACHINES IN EUROPE



RGI FRANCE

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RIVAX → machining center (5 axis milling and turning center)

We design the RIVAX line product in order to give our customers even more competitive advantages through the intrinsic performances of our machines and their high availability rate.

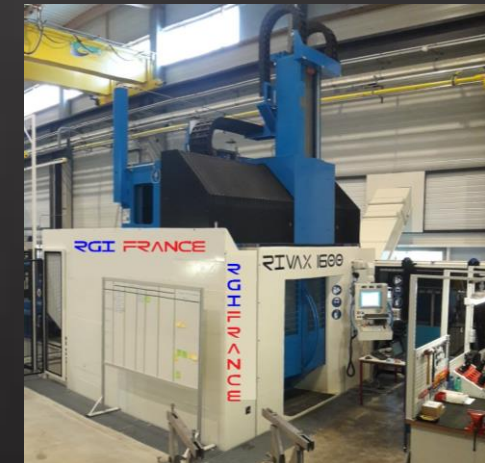
Thus, we always give ourselves the opportunity to progress to a model development with higher performances in accordance with the customer requirements.

The RIVAX machines line are open to all technological improvements on the top of the state-of-the-art.

The machines of the RIVAX range are 5-axis machining centers with rotating table mounted on a tilting cradle from -5° to 135°.

Example of a complete designation : RIVAX 2000 –HP-T200-P2

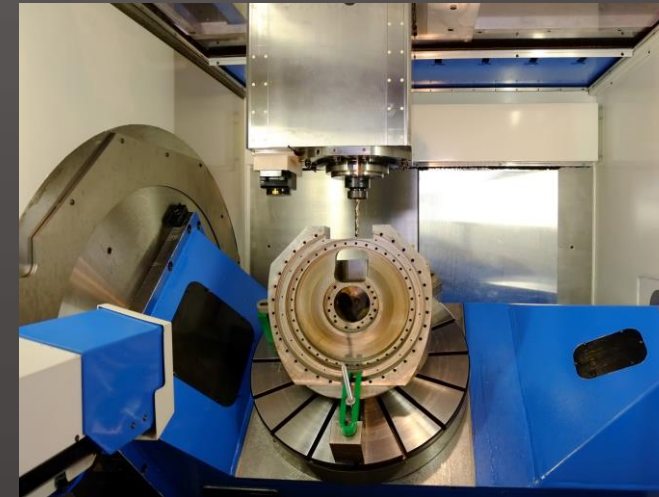
- ❑ Gyration passage of 800 – 2500 mm
- ❑ TX ATC X outils
- ❑ PY Y pallets
- ❑ HP high pressure cooling system



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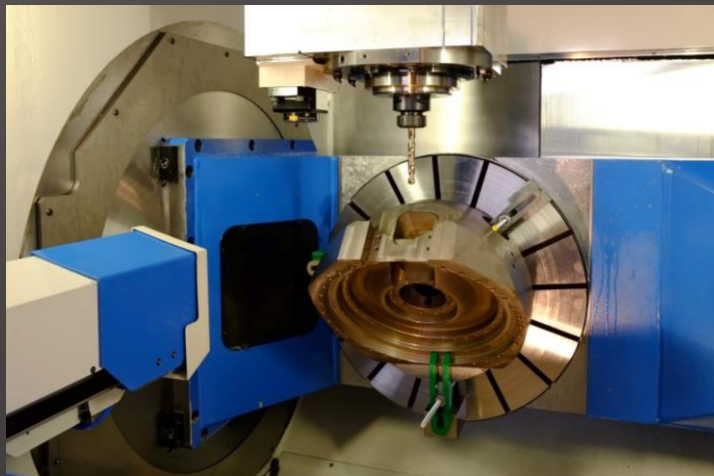
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BASIC MACHINE	RIVAX 800	RIVAX 1400	RIVAX 2000
Table ø (mm)	600	1200	1600
Gyration ø (mm)	800	1400	2000
Height max (mm)	800	1150	1500
Turning spindle power (kW)	47	60	90
Turning spindle speed (RPM)	1200	450	350
Table max load (kg)	800	2500	3500
Axis max speed XYZ//C//A	30 m/min	// 20 RPM	// 3,5 RPM
Milling spindle	70 kW 700Nm	7000 RPM	CAPTO C8
CNC brand	SIEMENS / NUM		



POSSIBLE OPTIONS

- Tool store types : robot, matrix
- Tool identification by chip RFID
- Optional heads : square, recessing, automatic
- Pallet transfer semi-automatic / automatic
- High speed spindle 24000 RPM
- Automatic change of head
- Cooling system from 16 to 350 bars
- Grinding
- Process monitoring : vibration / power measure / vision / temperature
- Industrialisation
- Compatibility Industry 4.0
- Tools & Parts measures



MAXI RIVAX → machining center (turning and milling)

In addition to our RIVAX range, we offer very large-size turning and milling machines for hard materials.

These machines can be adapted with a wide range of accessories : several heads type with automatic change or high pressure cooling system for example.

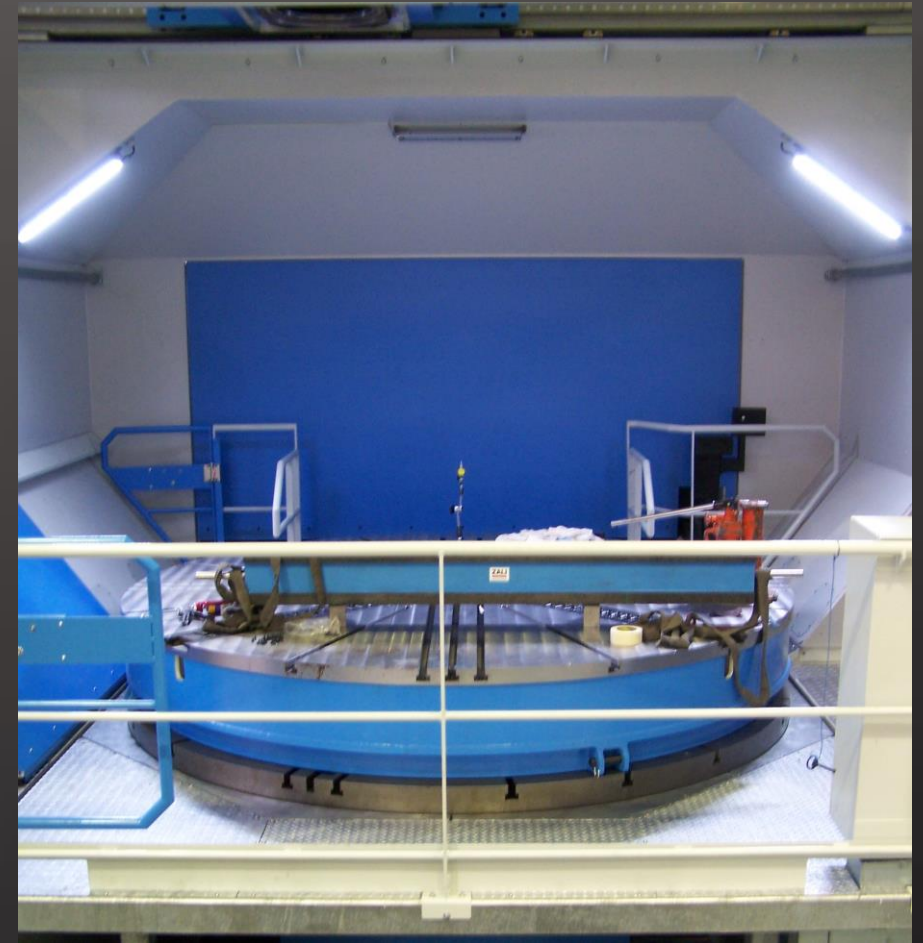
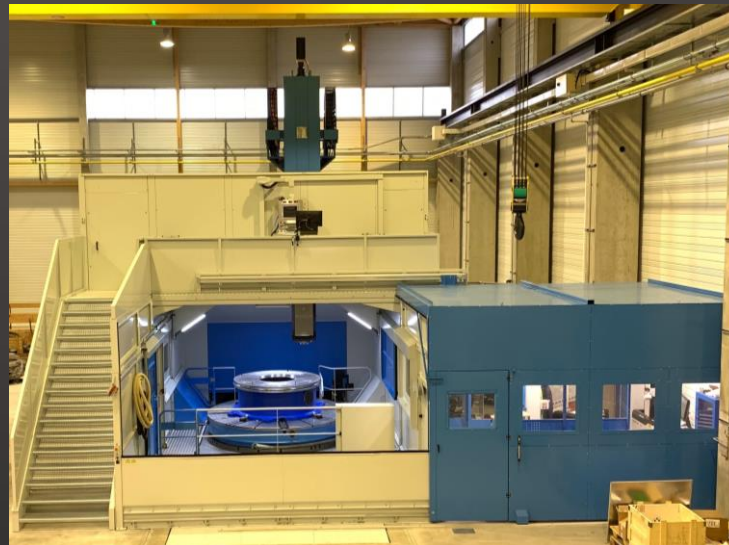
On our machines range we always differentiate the milling function from the turning function.

Example of a complete designation

MAXI RIVAX 3000

Gyration size

HP high pressure



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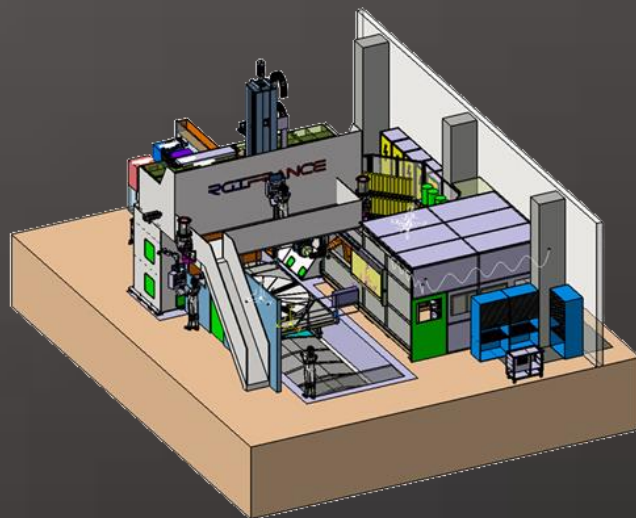
créateur de machines-outils

BASIC MACHINE	MAXI RIVAX
Swing ϕ (mm)	3000 \rightarrow 8000
Milling spindle power (kW)	52 (S1) 72 (S6)
Milling spindle speed (RPM)	until 7000
Turning spindle power (kW)	52 (S1) 72 (S6)
Turning spindle speed (RPM)	15 \rightarrow 150
Axis max speed X // Y // Z (m/min)	20 // 20 // 20
Tool attachment	CAPTO C8 / HSK / ISO
Type of CN	SIEMENS / NUM



POSSIBLE OPTIONS

- Tool store types : robot, disk, chain, matrix
- Tool identification by chip RFID
- Positioning rotating table
- Pallet transfer semi-automatic / automatic
- Automatic change of head
- Cooling system from 16 to 350 bars
- Optional head : square, recessing, offset
- Process monitoring : vibration / power measure / vision / temperature
- Industrialisation
- Compatibility Industry 4.0
- Tools & Parts measures
- Automatic clamping jaw



GIRAX → vertical lathes center

The GIRAX product range is a line of medium-sized vertical lathes with an extremely rigid structure designed for machining hard materials.

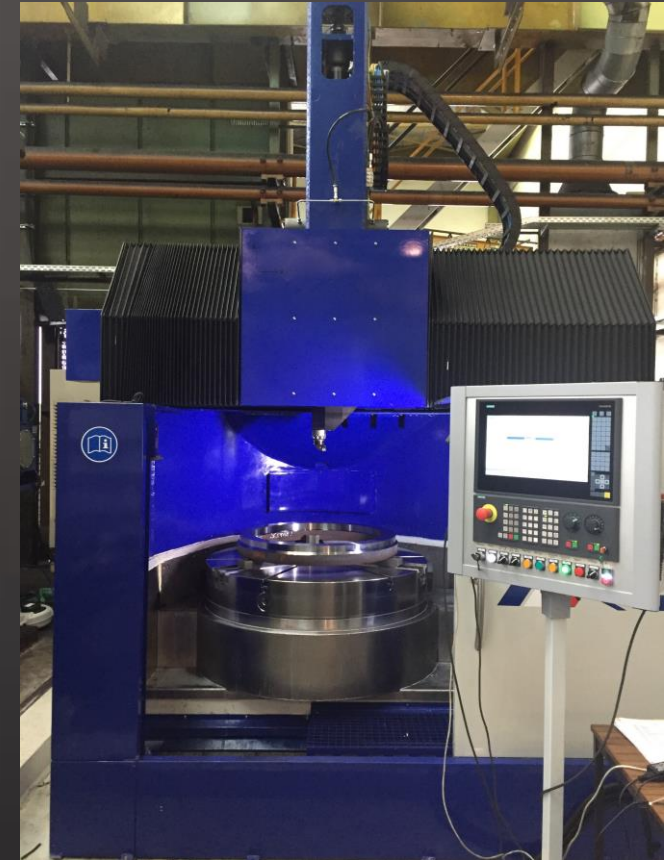
RGI FRANCE meets the client's construction expectations of any machine outside the standard specifications detailed in the following table.

Our teams demonstrate a great ability of adaptation and innovation, dedicated to serve our customers satisfaction in order to deliver them production tool solutions best suited to their needs.

Example of a complete designation : GIRAX-2500 TG-HP

Gyration passage

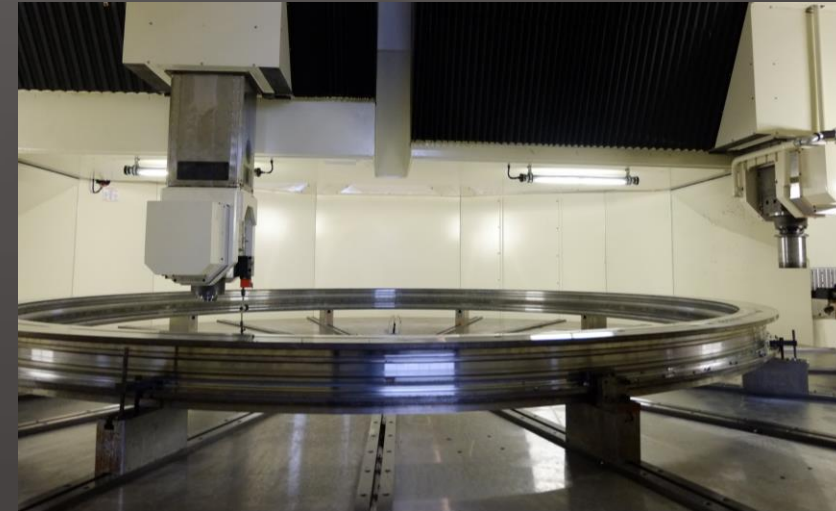
- TT (2 turning carriages)
- TG (1 turning carriage + 1 grinding carriage)
- TM (1 turning carriage + 1 milling carriage)
- HP high pressure cooling



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BASIC MACHINE	GIRAX
Swing ϕ (mm)	1200 \rightarrow 8000
Power Table (kW)	50 \rightarrow 100
Speed Table (RPM)	400 RPM (ϕ 1200 mm) / 30 RPM (ϕ 8000mm)
Ram section (mm)	250 x 250 / 500 x 500
Axis max speed X // Z (m/min)	20 // 20
Tool attachment	CAPTO C8 / HSK / KENAMETAL / ISO
CNC brand	SIEMENS / FANUC



POSSIBLE OPTIONS

- Tool store types : robot, disk, chain
- Tool identification by chip RFID
- Pallet transfer semi-automatic / automatic
- Automatic clamping jaw
- Cooling system from 16 to 350 bars
- 2nd grinding carriage with automatic change of grindstones, automatic counterbalancing
- Process monitoring : vibration / power measure vision / temperature
- 2nd turning carriage
- Drilling function
- Industrialisation
- Compatibility Industry 4.0
- Tools & Parts measures
- Milling spindle 52(S1) 72(S6)

DELTA → milling for hard materials

Milling portal machine : Static portal with mobile table

The DELTA's line of large-size milling machines with mobile table is a resounding success with the most demanding industrialists. The strengths : precision, rigidity and stability.

The milling machine DELTA are custom-fitted on request with high speed spindles, pivoting angle gear heads and 5 axis machining heads. These machines can combine several types of head with automatic change. These heads are designed and manufactured by RGI FRANCE. The implementation of elements from our design office and the manufacture in our workshop give us a total control over the performance of our machines and their maintenance throughout their lifetime.

Complete designation : DELTA - 3000/1500 - HT (Capacity 3000/1500 travel axis X 3000mm / 1500mm of passage between uprights , 1 axis head + rotating table, for example)

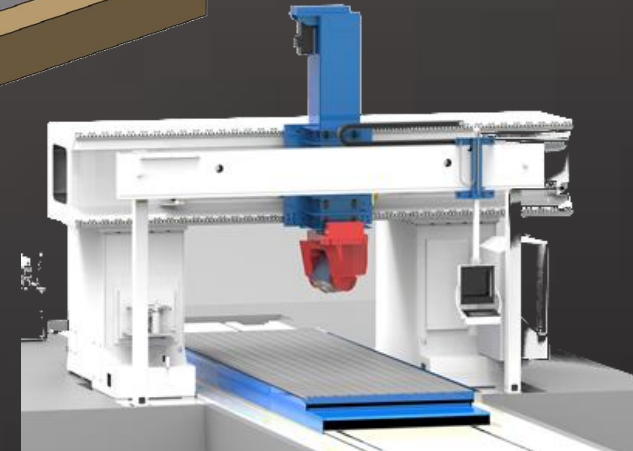
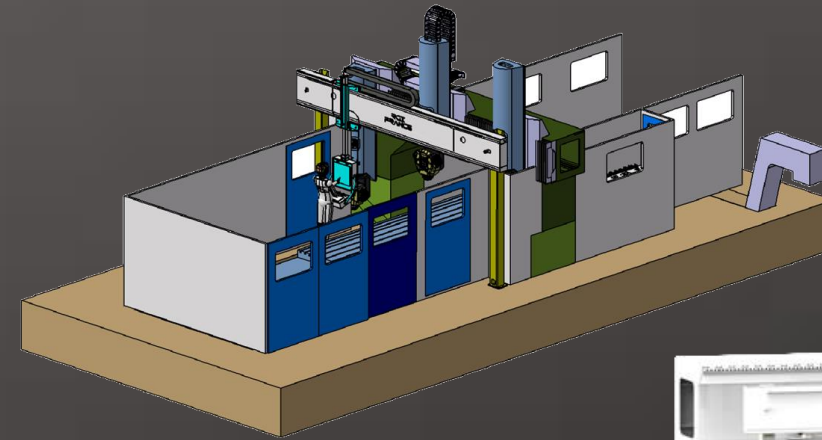
- 3000/1500 : travel axis X 3000mm / 1500mm of passage between uprights
- H 1 axis head
- 2H 2 axis head
- HT 1 axis head + rotating table
- 2HT 2 axis head + rotating table (6 axis machine)



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BASIC MACHINE	DELTAX
Machinable length (mm)	6000 → 20000
Machinable width (mm)	2000 → 4500
Machinable height (mm)	1000 → 2000
Spindle power (kW)	52 (S1) 72 (S6)
Spindle speed (RPM)	until 7000
Ram section (mm)	500 x 500
Axis max speed X // Y // Z (m/min)	30 // 20 // 20
Tool attachment	CAPTO C8 / HSK / ISO
CNC brand	SIEMENS / FANUC / NUM



POSSIBLE OPTIONS

- Tool store types : robot, disk, chain
- Tool identification by chip RFID
- Positioning rotating table
- High speed spindle 24000 RPM
- Automatic change of head
- Cooling system from 16 to 80 bars
- Optional head : 1 or 2 axis of positioning or continuous
- Process monitoring : vibration / power measure / vision / temperature
- Industrialisation
- Compatibility Industry 4.0
- Tools & Parts measures



RGI-CONCEPT

Our special products :

- SPECIAL MACHINES
- MACHINING HEAD
- EQUIPEMENTS



A320 NEO Carbon machining

SPECIAL MACHINES



In situ machining of trap landing gear fitting



Tyre moulds engraving machine



A330 NEO Mould support

SPECIAL MACHINES



Boring machine with 2 spindles



Carbon machining



Acoustic drill with 10 spindles



Carbon filament winding



Extremities shaft machining

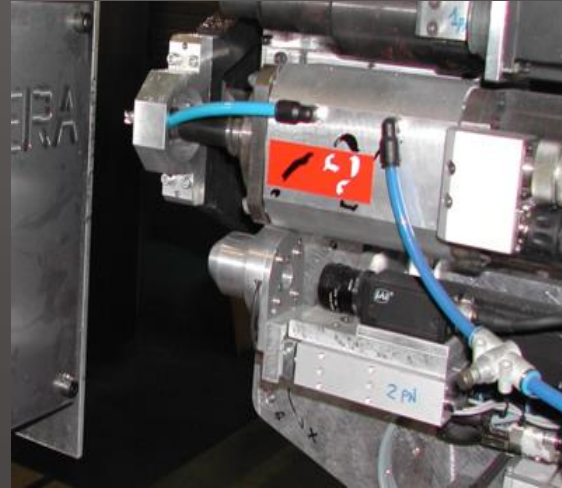


Swivel machine

MACHINING HEADS & EQUIPMENTS



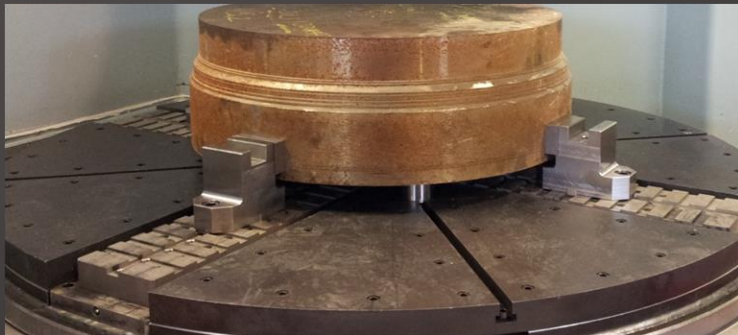
FSW effector with numérical pin



Rivetin effector and vision



Tools magasin with robot



Numerical clamping chuck



Table of Turning/Milling 4500

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