

TMMT High Tech

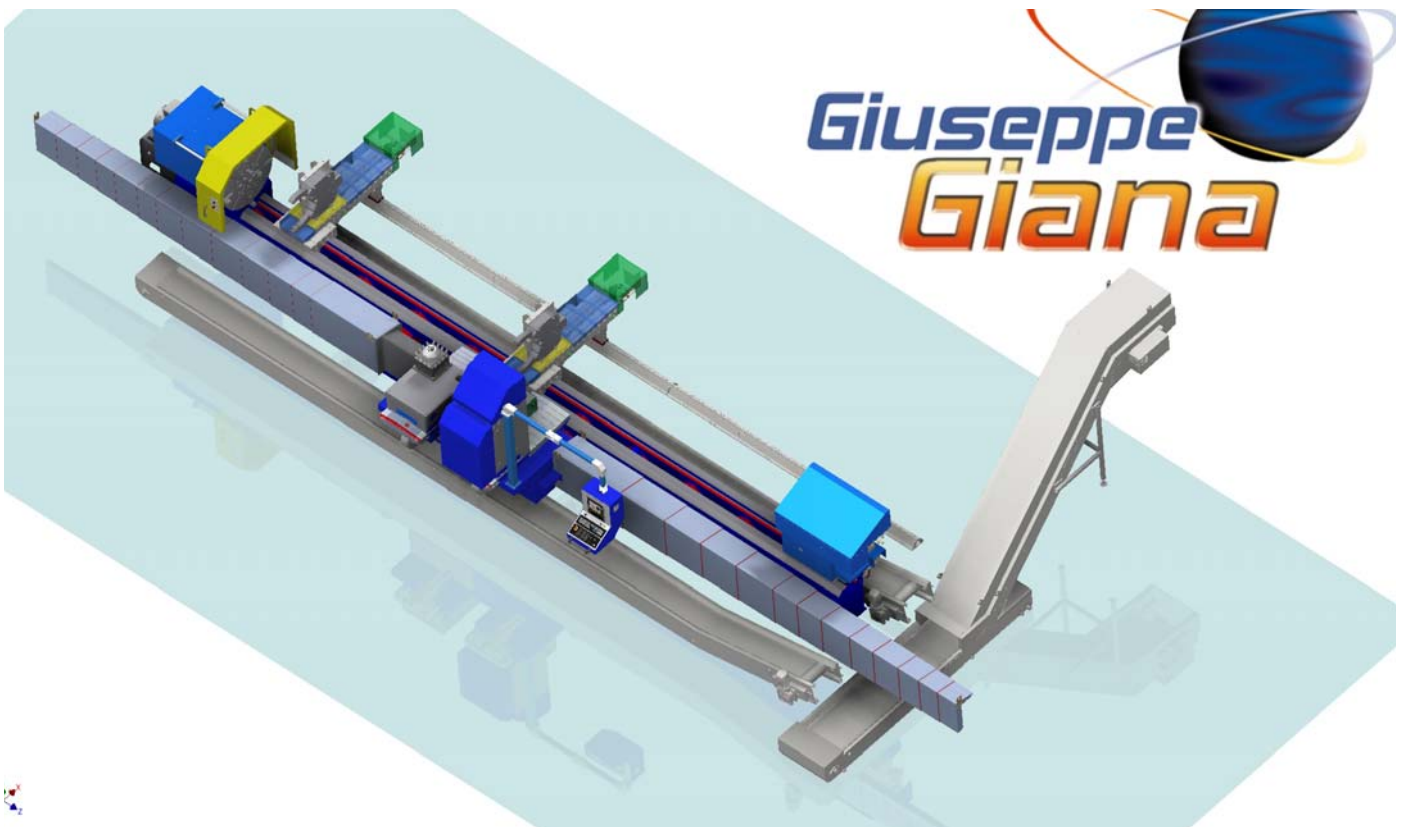


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Also this year Giuseppe Giana S.P.A. will be exhibiting at EMO 2013, which will be held from 16 September 2013 to 21 September 2013 in Hannover.

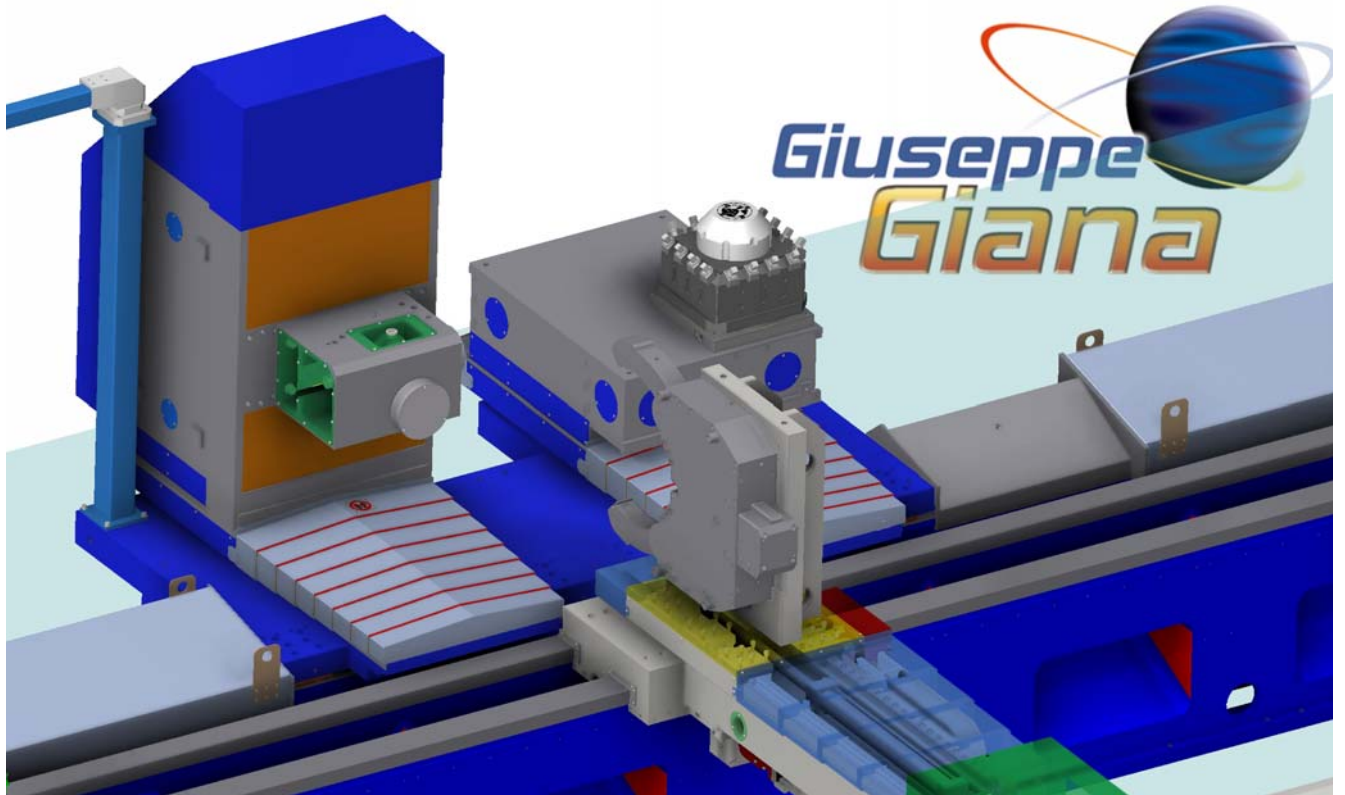
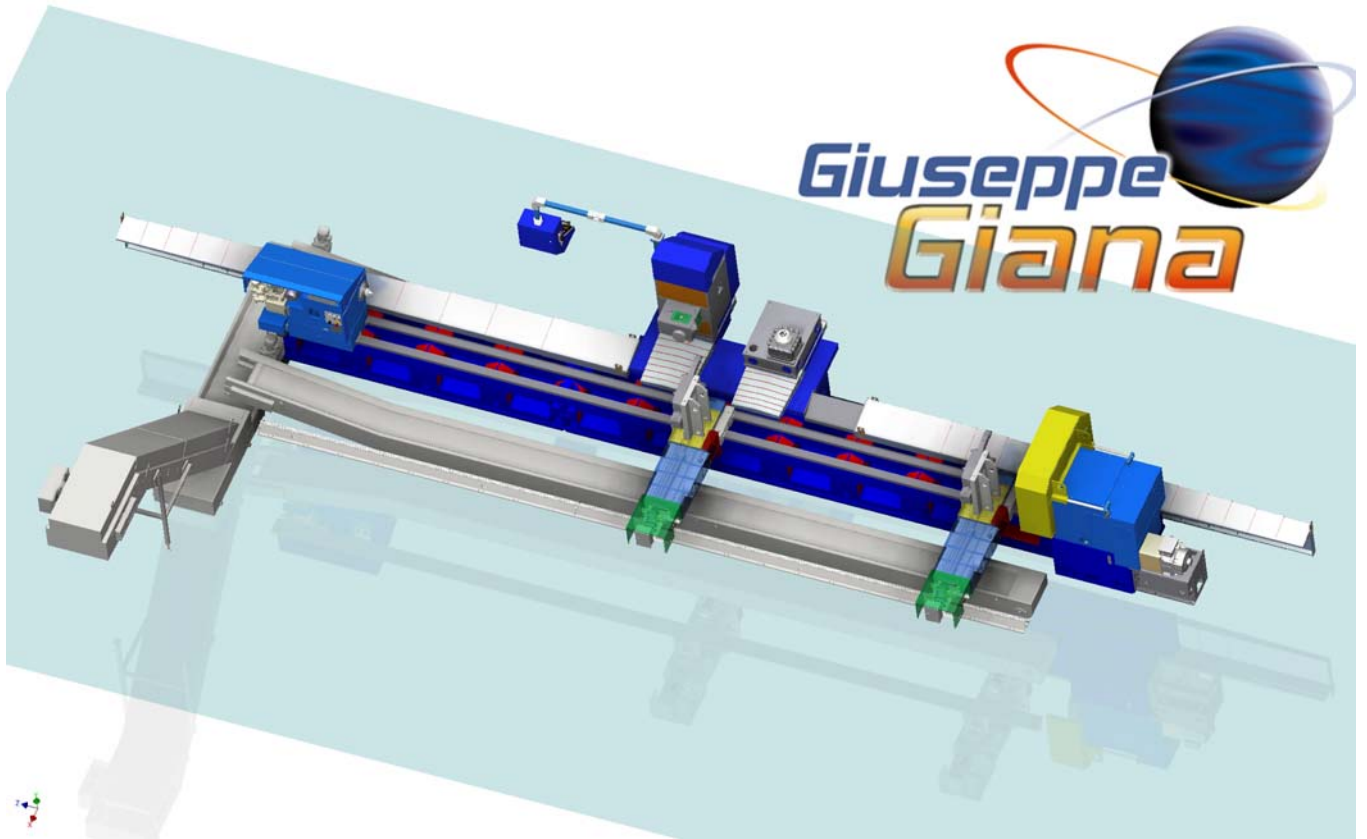
We wait for you at Hall 17, Stand D43 to be able to show our new **GGTronic 1000**



TURNING AND LONG BORING MACHINING CENTRE

GGTRONIC 1000 DOUBLE X CNC

660 x 6500 -4 GUIDES



Technical Data**CAPACITY**

- Center height	mm	660
- Center distance	mm	6500
- Max. turning length	mm	5500
- Swing over bed	mm	1200
- Swing over saddle	mm	1030
- Max. milling diameter over carriage	mm	1000
- Milling machining useful diameter	mm	850
- Bed width	mm	920
- Allowed weight between centers without steadies	daN	12000

HEAD

- Spindle motor power in a.c. Brushless SIEMENS	kW	(S1)60
- Spindle nose	ASA	15"
- Spindle bore	mm	180
- Diameter of spindle at front bearing	mm	266,7
- infinitely variable speed range	r.p.m.	1...600
- Number of speed	N.	2
- Torque	Nm	13000

(*) more capacity on request

TAILSTOCK

- Tailstock sleeve diameter	mm	230
- Tailstock sleeve stroke	mm	300
- Center cone	∅ mm	70
- Center cone 60°		

N° 1 CARRIAGE FOR OPERATIONS OF: TURNING, INTERNAL LONG BORING, TAPPING, BORING AND MILLING**LONGITUDINAL CARRIAGE AXIS Z**

- Carriage stroke	appox mm	6800
- Infinitely variable feed speed	mm/min	1...8000
- Rapid movement speed	mm/min	8000

1st TRANSVERSAL CARRIAGE - AXIS X2 FOR TURNING OPERATIONS AND MILLING, DRILLING AND TAPPING OPERATIONS

- Slide stroke	approx mm	560
- Infinitely variable feed speed	mm/min	1...6000
- Rapid movement speed	mm/min	6000

2nd TRANSVERSAL CARRIAGE - AXIS X1 FOR TURNING OPERATIONS AND MILLING, DRILLING AND TAPPING OPERATIONS

- Slide stroke	approx mm	560
- Infinitely variable feed speed	mm/min	1...6000
- Rapid movement speed	mm/min	6000

SPECIAL COLUMN FOR MILLING BORING TAPPING TURNING OPERATIONS

It is a milling column equipped with Y axis and milling radial spindle”
Axis drive by govern unit and measure system by precision transducer

- CNC head “spindle” vertical stroke
(**axial** spindle) mm 320 (-80 +240)
- CNC head “spindle” vertical stroke
(**radial** spindle) mm 320 (-200 +120)
- Spindle nose ISO 40
- Infinitely variable speed range r.p.m. 1...4000
- Number of speed N° 2
- Speed range in costant power 1° step r.p.m. **335...1565**
- Speed range in costant power 2° step r.p.m. **1500...4000**
- Speed MAX continius r.p.m. **3000**
- Speed MAX duty cycles 50% r.p.m. **4000**
- Spindle motor Siemens Brushless kW S1 **15**
- Spindle motor Siemens Brushless kW S6-60% **18**
- Torque MAX Nm S1 420
- Torque MAX Nm S6-60% 510
- Infinitely variable feed speed mm/min 1...6000
- Rapid movement speed mm/min 6000
- Coolant trough tool
- Tool automatic release, hydraulic type
- Synchron tapping

- **< C > AXIS** - This axis controls the slow spindle rotation and it is able to interpolate at the same time with other axes X and Z. Transmission is obtained by a.c. Brushless independent axis motor drive with accuracy reducer and without play. With this device it is possible to fit on carriage milling head or motorized turrets with rotating toolholders suitable for milling and drilling operations. With this axis it is possible to execute variable pitch springs.

Axis drive by Govern Unit and measuring system with accuracy trasducer. The system is equipped with hydraulic brake.

- Accuracy of repeatability degrees **± 12"**
- Number of revolutions **rpm/1' 3**
- Max Torque **Nm 4500**

(*) more accuracy on request

APPROX MACHINE DIMENSIONS

- | | | |
|----------------------|-----|-------|
| - Length approx | mm | 13500 |
| - Width | mm | 2700 |
| - Height | mm | 2800 |
| - Theoretical weight | daN | 27000 |

CNC FAGOR 8065 T**TURRET BARUFFALDI TB 320 – 12 POS- VDI 60**