



Turning- and Milling Machine

## **DMG MORI CTX beta 1250 TC 4A**

### GENERAL

Project No:	905679
Quantity:	1 pc.
Manufacturer:	DMG MORI
Type:	CTX beta 1250 TC 4A
Control:	Siemens 840 D solutionline
Year of Manufacture:	2012
Condition:	Used Machine
Machine on approx. [h]:	29.210
Spindle on approx. [h]:	18.153

### DESCRIPTION

#### MILLING

5 Axis, simultaneous  
Travel in X 450 mm  
Travel in Y 200 mm  
Travel in Z 1200 mm  
Max. rapid traverse in X/Y/Z 30/30/45 m/min  
Feed force X/Y/Z 7500/4500/9000 N  
Linear glass scales  
Tool taper HSK A63  
Max. speed milling spindle 12000 1/min  
Max. power at 10-40/100% duty ratio 29/22 kW

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Max. torque at 10-40/100% duty ratio 79/60 Nm  
Milling head NC-controlled swivel-type +/- 110 degree  
Chain-type tool magazine 120 stations  
Max. tool diameter 80 mm  
Max. tool diameter without adjacent tools 120 mm  
Max. tool length 300 mm  
Max. workpiece weight 5 kg

## TURNING

Max. turning diameter 340 mm  
Max. turning length 1250 mm  
Max. Swing diameter over bed 700 mm  
Max. distance between both spindle noses 1470 mm  
Max. speed main spindle ISM 102 4000 1/min  
Max. power main spindle at 10-40/100% duty ratio 45/35 kW  
Max. torque main spindle at 10-40/100% duty ratio 770/600 Nm  
Spindle bore main spindle 104 mm  
Spindle diameter in front bearing main spindle 130 mm  
Axis at main spindle unit C  
Hollow clamping cylinder at main spindle  
Max. speed opposed spindle 5000 1/min  
Max. power opposed spindle at 10-40/100% duty ratio 32/25 kW  
Axis at opposed spindle unit C/Z  
Travel in X/Y/Z opposed spindle unit -/-/1200 mm  
Max. rapid traverse in X/Y/Z opposed spindle unit -/-/45 m/min  
Partial hollow clamping cylinder at opposed spindle  
Coolant through main spindle  
Preparation for Steady rest for turret  
1 pc. Lower turret  
No. of stations/driven 12/12

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Tool reception in turret VDI 40 Trifix  
Speed tool drive 40-10.000 1/min  
Torque tool drive 34 Nm  
Axis in turret X/Y/Z  
Travel in X/Y/Z 195/80/1200 mm  
Max. rapid traverse in X/Y/Z 30/-/45 m/min  
Gripping device on turret

## FURTHER EQUIPMENT

Tool breakage control by wire  
Fully enclosed work area  
Automatic working range sliding door  
Light in working area  
Oil-/emulsion mist extraction unit  
Slat band chain chip conveyor  
Internal coolant supply  
Coolant unit with paperband filter  
High pressure pump 8/20 bar  
Bar loader/magazine  
Max. bar length 1200 mm  
Interface for bar loader/magazine  
5-axis robot (as an alternative loading- and unloading device for single components)  
Additional pallet handling with magazine pallets  
Siemens Shopturn

## ACCESSORIES

2 pc. SMW 3-jaw clamping chuck 210 bzw. 250 mm  
2 pc. Collet chuck

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## GENERAL TECHNICAL DATA

Total power requirement 85 kVA

Machine dimensions (LxWxH) approx. 6550 x 3456 x 2393 mm

Machine weight approx. 15000 kg

## REMARKS

We described the specified product with the upmost attention. As this product is not manufactured by us, the mentioned data and description can deviate. Herewith, we point out that they are non-binding and ask you to check them during your inspection.



