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FISS GmbH
Hauptstraße 8
73650 WINTERBACH
GERMANY

Phone +49 (0)7181 60696-0
Fax: +49 (0)7181 60696-00
E-Mail info@fissmachines. com

Managing Directors: Klaus Friedrich, Michael Friedrich
Amtsgericht Stuttgart HRB 783559
USt-ID-No.:DE35 0949 264

Grob G550 5-axis universal machining centre BA2404, used



manufacturer : Grob

Product number:
BA2404

Description

Machining center	Universal
Manufacturer	Grob
Model	G550
Year of manufacture	2013
working hours	91137 h
spindel working hours	5264 h

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Machining center	Universal
Description	Tilting/rotary table (NB axis) Integrated coolant system with coolant temperature control and chip conveyor Integrated hydraulic power unit Cooling unit for spindle, rotary table (B axis) and control cabinet

Technical data	
Control system	SIEMENS SINUMERIK 840D si MDynamics
Spindle distance	mm
Travel X	800 mm
Travel Y	1020 mm
Travel Z	970 mm
Max. Rapid traverse speed in X/Y/Z	65/50/80 m/min
Tool Magazine	HSK-AI00 double-disc magazine with 60 (2x30) tool positions and a tool-changing arm
Additional Tool Magazine	TM167 auxiliary tool magazine with 167 tools
Max. tool length	465

Options

Pallet changers / Pallets / Clamping options

Pallet-changing system

Automatic 2-pallet changer with rest position:

- 2 pallets, 630 x 630 mm, with a grid of drill holes
- a zero-point clamping system on the rotary table (B-axis)
- Rotary distributor on the rotary table (B-axis)
  - four coupling mechanisms with cleaning nozzles in the upper section of the rotary table
- six coupling mechanisms with cleaning nozzles in the workpiece station
- an additional hydraulic system

Rotary manifold in the B-axis rotary table:

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- Hydraulic clamping system with four fluid connections
  Pneumatic package with four fluid connections

Rotary manifold in the A-axis rotary table:

- Hydraulic clamping system with six fluid connections
- Pneumatic package with six fluid connections

Pallet and workpiece clamping on the rotary table (B-axis) Configuration:

- a zero-point clamping system
- without pallet(s)

Set-up bay door:

- Automatic opening/closing for automatic loading and unloading systems
- Automatic opening/closing for manual loading and unloading

Main spindle variants:

- Motorised spindle HSK-A63, 35/47 Nm[1]; 18,000 m·[1]

SK 40 tool interface:

- SK 40 motorised spindle, 160/223 Nm[1]; 16,000 rpm

Note: Due to the larger spindle diameter, a maximum of 50 magazine slots are possible with a pick-up disc magazine!

HSK-A100 tool interface:

- HSK-A100 motorised spindle, 262/340 Nm[1]; 10,000 rpm
- HSK-A100 motor spindle, 470/575 Nm[1]; 9,000 rpm

GROB-5 spindle diagnostics GSD:

- Heidenhain iTNC 530: Full range of smarT.NC functions for the iTNC 530, DXF import
- Optimisation of machine kinematics with KinematicOpt
- Collision monitoring with DCM Collision

SIEMENS SINUMERIK 840D sl

Optimisation of machine kinematics with Cycle 996

Accessories for measuring machine kinematics

5-axis kinematics set (Premium)

Accessories

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- Tool cleaning device
- Tool coding
- Electromechanical tool length measurement system (GROB)
- Laser measurement system for tool monitoring (BLUM)
- Preparations for the use of a probe (M&H, Renishaw, Heidenhain)

Specification

- Infrared probe with receiver:
- Infrared probe with receiver, M&H
- Infrared probe with receiver, Renishaw
- Infrared probe with receiver, Heidenhain
- Compressed air supply through the spindle centre
- External compressed air supply
- Infinitely variable, programmable pressure (4–38 bar) for tools with internal coolant supply (IKZ)
- Switchable coolant pressure for the external coolant nozzles
- Flushing gun
- Blow-out gun
- Hand-held control unit (SIEMENS HT8)
- HR 420 electronic handwheel (HEIDENHAIN) HMO Panel control unit (FANUC)
- Flange for central work area extraction Machine status indicator light
- Extended coolant system, 80 bar
- Hinged belt conveyor

Work area door:

- Automatic opening/closing for automatic loading and unloading systems
- Automatic opening/closing for manual loading and unloading

Dynamic package: HSK-A63 and SK 40:

- X-axis: 90 m/min up to 8 m/sec²
- Z-axis: 80 m/min up to 13 m/sec²

Delivery time	immediately
Price	on request

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Subject to changes in the technical description and prior sale.