

Machine-Datasheet

Lager-Nr.: **1035-04649**

CNC Turning- and Milling Center
 Make: **DMG-Gildemeister**
 Type: **GMX 300**
 New in: **2005**

Control: Siemens 840 D Powerline
 Location: 89312 Günzburg
 Term of delivery: according to agreement,



Equipment :

Please notice:

We would be happy to make you a free offer. However, please understand that we only process inquiries with complete address details.

The solution for 6-sided complete machining

Basic machine GMX 300 Linear with

- turning length 1585 mm
- Main spindle as integrated spindle motor ISM 65- drive power 25/37 kW (100% / 40%)
- hollow clamping device (hydraulic)
Draw tube inside diameter 68 mm
- C-axis and spindle brake (hydr.)
- Cross slide above with turning / milling spindle as motor spindle, Holder HSK 63A DIN 69893 with 3-fold Hirth serration, 1 ° indexing for positive locking when turning
- Y-axis +/- 110 mm
- B-axis +/- 120 ° interpolating and with hydraulic clamping
- Tool magazine 120 times
Shelf magazine with tool changer and handling unit, 4 additional loading spaces
- absolute, direct measuring systems in all linear axes
- 600 l coolant tank
Lift pump and level control
- Coolant cleaning with belt filter
Filter fineness 40 µm
- coolant pump 8 bar; 20 l / min 20 bar / 80 bar
- Chip conveyor, discharge height 1100 mm
- CNC control SIEMENS 840 D powerline
- Ethernet interface
- oil mist cut-off electr. IFS, type IFE 200qm / h
- ARTIS tool monitoring system
- Cross slide below (X2, Z2)
AC servo drive with ball screw drive
absolute, direct measuring systems
- with 12x star turret
- with tool drive
- VDI mounting 40 mm DIN 69880, radial

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- counter spindle
as an integrated spindle motor ISM 65
 - Drive power 25/37 kW
 - Partial hollow clamping cylinder (hydraulic)
 - Draw tube diameter 66 mm
 - C-axis and spindle brake (hydraulic)
 - Hollow clamping device Ø 66 mm
on the main spindle (left)
 - Differential pressure tension for the main spindle
 - Differential pressure voltage for the counter spindle
 - Drill breakage control swivel wire
 - high pressure coolant pressure 80 bar,
11 l / min for the upper tool carrier,
Coolant pressure 20 bar, 40 l / min,
and 8 bar, 20 l / min for the upper and lower tool carriers
Expansion to 1000 liter tank capacity with immersion cooler 4 kW
 - coolant spray gun
 - Automatic sliding doors
 - Connection for bar feed bar loading magazine
 - Short bar loading magazine from IRCO ILS-RBK 100/16
max. rod Ø 100 mm
max. bar length 1600 mm
 - Turret head steady rest range 8-101 mm
hydraulically operated, self-centering
with adapter for mounting in the lower turret
 - Tailstock function for the counter spindle
mechatronic control of the contact force, selectable in the program
 - Three-jaw power chuck with bore and quick-change jaw system,
for main spindle KNCS-N 260-72, make SWM, including attachments
 - Three-jaw power chuck with bore and quick jaw change system,
for counter spindle KNCS-N 260-72, make SWM, including attachments
 - Conveyor belt for finished parts
 - Pick-up device with 3B-F for chuck parts
up to Ø 140 mm, max length 500 mm
 - Documentation according to "delivery list technical documentation"

 - included in the machine price -
 - Technical description GMX 300 Linear
 - Extension package 3D programmer
 - Programmer 3D for PC, GMX 300

Technical details / accessories:

	Dimension	Unit
turning diameter	520	mm
turning length	1585	mm
control	840 D Powerline	
weight of the machine ca.	20	t
dimensions of the machine ca.	9,3 x 4,6 x 3	m