

Gear Grinding Machine

Stock number:	1113-6658
Type of machinery:	Gear Grinding Machine
Manufacturer:	NILES
Type:	ZP 20
Year:	2002
Control unit:	CNC
Maker of control unit:	KAPP D300
Country of origin:	Germany
Item location:	Staufenberg Stock 1
Delivery time:	immediate, as agreed
Freight basis:	FCA



Seller



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Technical specs

max. wheel diameter:	2000 mm
gear width:	980 mm
max. module:	34
weight of the machine ca.:	20 t
dimensions of the machine ca.:	7,9 x 6,0 m
max. helix angle:	-35° / +35° °/deg. °
stroke length max.:	1000 mm
rotary table diameter:	1365 mm
table load:	20 t
grinding wheel diameter:	400 mm
profile depth:	75 mm
power capacity:	25 kW

Description

DESCRIPTION

CNC-Profile Gear Grinding Machine for grinding external spur and helical gears

Hydrostatic guideways in rotary table, column, stroke saddle

Equipment:

- * CNC-control KAPP D300 for 7 axes:
 - Z, W tangential travel of the slides
 - B head swivel
 - Y column travel
 - X stroke saddle
 - A rotary table
 - U dresser movement
- * NC dressing unit with 1 dressing-spindle for diamont-dressing-disc
- * coolant device
- * oil-mist extractor

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- * oil-coolant-system
- * machine housing
- * touch-probe inside the working-area for gear measuring
- * electronic hand-wheel
- * outboard-support
- * 3 off used dressing rolls

The machine was delivered in 2002 with the following software / options.

- Scope D300
- External tothing by means of dressable corundum grinding wheels and non-dressing CBN profile grinding wheels.
- Prepared for internal tothing by means of dressable and dress-free CBN profile grinding wheels
- Automatic feed control
- Modem connection incl. remote diagnosis
- Warm-up program
- Automatic shape and position correction of the grinding wheel software SMS (grinding-measuring-grinding).
- Automatic generation of NC grinding programs
- Software for aligning splines with RENISHAW probes
- Cycle: Align (Probe = Renishaw)
- Cycle: Stock dividing (Probe = Renishaw)

The machine can be inspected under power in the factory.

Changes and errors in the technical details and information reserved.