

ABA / Z & B

MULTILINE 2507 CNC

Stock no. :1022-E06336

MACHINE-DATA

Machinetype	: Surface Grinding Machine - Horizontal
Make	: ABA / Z & B
Type	: MULTILINE 2507 CNC
Year	: 2008
Control type	: CNC
Control	: Siemens 840 D
Storage location	: Germany
Origin	: Germany
Delivery time	: Short-dated
Quotation	: Ex site, without dismantling and loading
Price	: on request



TECHNICAL DATA

grinding length	2000 mm
grinding width	850 mm
distance spindle center to table	900 mm
control	Siemens 840 D
total power requirement	155 kVA
weight of the machine ca.	15 t
dimensions of the machine ca.	8815 x 4185 x 2963 mm

TECHNICAL DESCRIPTION

CNC Precision Surface and Profile Grinding Machine

Technical Specifications:

Grinding length 2000 mm

Grinding width 850 mm

Travel, transverse 750 mm

Distance from table to spindle center 900 mm (or 800 mm with intermediate plate)

Magnetic plate size 2000 x 700 mm

Table load without magnet 3500 kg



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Table speed 60 m/min.

Spindle drive 26 kW

Grinding wheel dimensions 500 x 150 x 203.2 mm

Grinding wheel peripheral speed 35 m/s

Equipment:

3-axis contouring control Siemens 840 D

Grinding programs:

Full-cut grinding

Face grinding

Plunge grinding

Path grinding X/Y-axis and Y-Z-axis

Profile grinding

*Automatic program sequence with roughing, finishing, fine finishing
and spark-out grinding.*

Multiple plunge grinding for economical production

Surface grinding with continuous, continuously programmable cross feed

Grinding wheel calibration

Plunge/step grinding

Face grinding

Dressing in the grinding cycle with lift-off amount

Fully automatic compensation of dressing amounts

Tool management

AC servo drives with ball screw and absolute measuring system in the X, Y, and Z axes

Preloaded precision roller guides in the X, Y, and Z axes with linear guides

Portable electronic handwheel

Automatic belt filter system

Coolant heating

Electro-permanent magnetic chuck

Fully enclosed

Direct measuring system in the vertical axis

Temperature-controlled machine bed for consistent accuracy

Linear motor in the X-axis, table speed max. 60 m/min.

Swiveling control panel

Continuous speed control of the grinding spindle

*Electrical linear measuring device for cross-travel adjustment with
zero point setting in any position, resolution 0.001 mm*

*Electro-mechanical locking via position control of the headstock
in the cross direction for profile and plunge grinding*

Mechanical extraction of coolant mist



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TAG table dresser
Pre-profiling dresser VPG 190
Diamond grinding wheel, 190 mm diameter
Software program for pre-profiling dresser VPG
Rough profiling (roughing)
CNC table profile dresser TAD 190
Profile depth max. 45 mm
Contour accuracy +/- 0.0025 mm
Swivel angle +/- 65 degrees
Max. dressing speed 210 mm/min.
Diamond wheel for table dressing machine TAD 190
Regrinding package for diamond wheel
Intermediate plate for raising the magnet
WinWop profiling software
Import of CAD profile data
SP 60 JOB Listing expansion package
Additional holes for the magnet clamping plate to facilitate
removal of workpieces using compressed air
Ghost shift circuit for shutting down the machine after the end of the program

VIDEO-LINKS

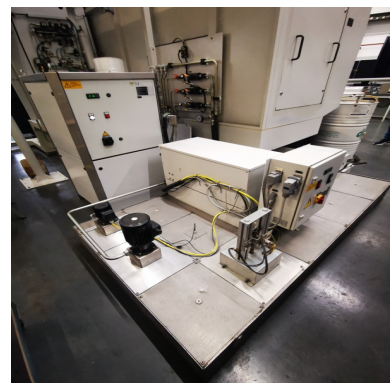
WEB-LINK

<http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-E06336>

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Technical details and information subject to amendments and errors.

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