

Surface and Profile Grinding



multiLine

Experience the multiLine

The mono-base design of the multiLine models allows grinding widths (Z-axis) of up to 1,020 mm.



The compact, steel base designed multiLine model is equipped with linear guides in all three axes.

The feed axes Y and Z are driven via servo motors and ball screws. For machines up to 2,000 mm the table is driven via ball screw. For longer tables up to 4,000 mm a linear motor is used.

The standard version of the multiLine comes with high-precision linear scales for positioning of the vertical axis.

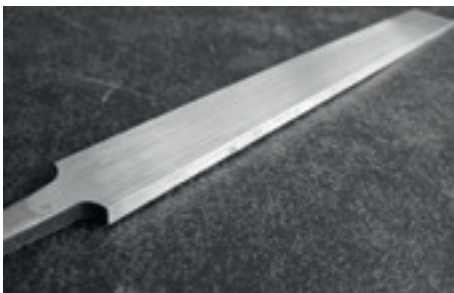
The direct drive grinding spindle with up to 37 kW guarantees optimal torque transfer.

The partial enclosure allows easy monitoring of the grinding process. To meet your requirements this model can easily be customized through a large variety of available options.



Benefit Overview

- Large cross reach
- Grinding spindle with pre-loaded precision bearings
- Very high table load capacity
- Large variety of options available



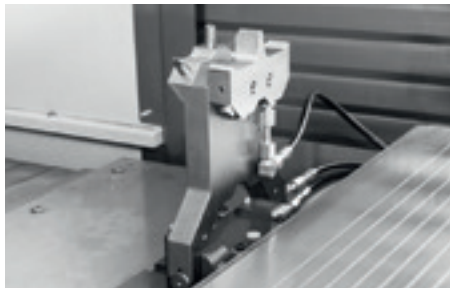
Typical surface grinding task



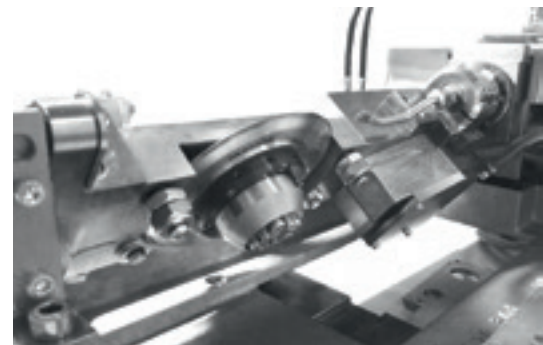
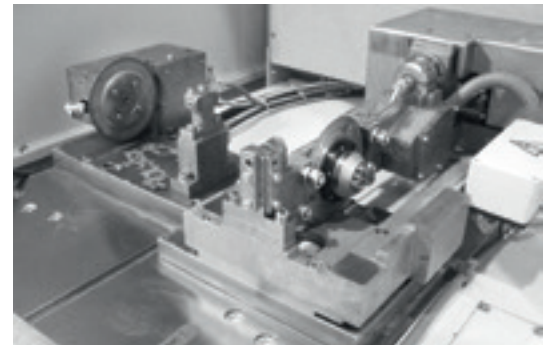
Typical profile grinding task



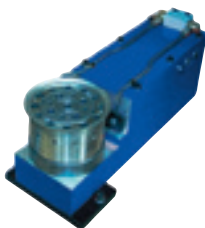
Table dresser for straight dressing of the grinding wheel



Pneumatic powered folding dressing unit



VPG (rough profiling unit) for rough shaping of a profile in a grinding wheel; in conjunction with: TAD (table mounted rotating dressing unit) for fine profile dressing with swiveling rotating disc



TAW-R (table mounted tilted rotating dressing unit) performs rotary dressing of circumference and side of the grinding wheel



KAG (head mounted dressing unit) dresses the wheel circumference

Our dressing units to sharpen, under-cut and profile grinding wheels compliment our well thought-out machine concept.

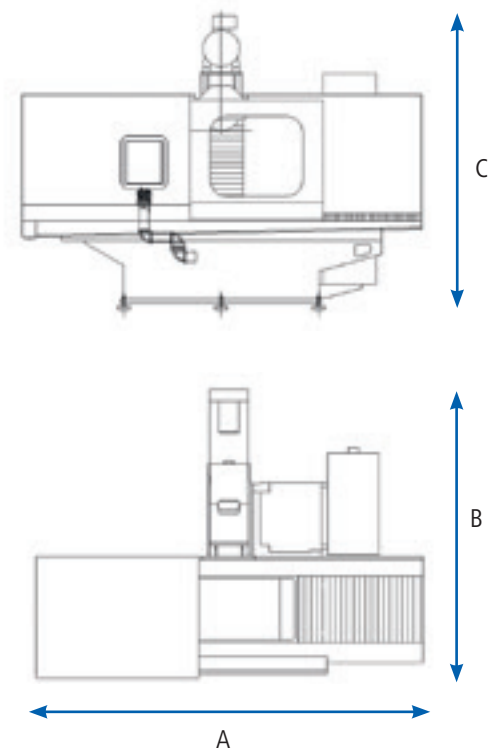
The multiLine is available with the xpressCube PLC or Sinumerik 840D CNC controls. The xpressCube allows easy operation for reciprocation surface grinding while the high end package utilizes the Sinumerik 840D for reciprocation profile grinding.

multiLine	10	15	20	30	40
Grinding Length (mm)	1,000	1,500	2,000	3,000	4,000
Grinding Width (mm)	850/1,020*				
Distance Spindle Center to Table (mm)	900/1,100				
Spindle Power (kW)	11/22/37				
Grinding Wheel (mm)	400 x 60 (100) x 127		500 x 100 x 203,2		

Dimensions / Weight					
Length A (mm)	4,500	5,500	6,500	9,200	11,200
Width B (mm)	3,000/3,250				
Height C (mm)	2,800/3,000				
Weight (kg)	10,000	13,500	15,000	19,000	28,000

– Grinding Length 5 and 7 m on demand –

All values are approximated and may change depending on selected options.
All information is subject to change.



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**Grinding Applications
for a Global Market**