



Tool Grinding Technologies Inc.

V2 ADVANCED Maxima Linear



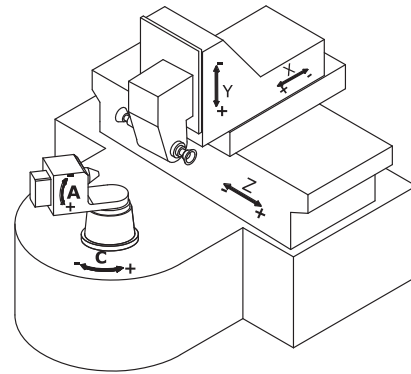
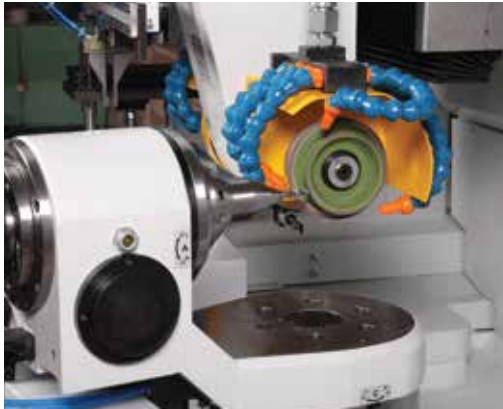
Special Features

- V2 ADVANCE Maxima Linear is a 5 axes machine configured with Tubular type Linear Motors for X & Z Axes. The machine comes with linear glass scales with 0.0001 mm resolution.
- Direct Drive Torque Motor for tool swiveling axis A and C which delivers high level of absolute accuracy with zero backlash.
- Twin spindle high precision tools grinding machine .This machine is optimized for grinding diameter range from 2mm to 20mm solid carbide tools.
- GDS Clamping system with Very high concentricity and repeatability, runout under 0.002 mm at 2½ x D. Suitable for both high production and regrinding.



Please contact us at www.tgtindia.com for further details

- All 3 linear Axes X, Y, Z are satellite type elevated and isolated from Coolant Area.



TECHNICAL SPECIFICATIONS

LINEAR AXES

Max.Stroke X-axis (Longitudinal Slide)	300 mm
Max.Stroke Y-axis (Vertical Slide)	300 mm
Max.Stroke Z-axis (Cross Slide)	680 mm
Maximum Traverse Speed	15 m/min
Control Resolution	0.0001 mm

MAXIMUM TOOL DIMENSIONS

Max.Tool Dia. (Solid Carbide) (optimized Range 2 to 20)	32 mm
Max. Cutter Diameter*	200 mm
Max. Peripheral Grinding*	270 mm
Max Tool Length for End Grinding*	250 mm
Min. Diameter of The Tool	2 mm#
Probing System	Renishaw

*Distance from the ISO Gauge Plane

Schaublin collet system is recommended for manufacturing tools below 6 mm diameter.

ROTARY AXES

Work Head Rotation A-axis	0-360°
Maximum Tool Swivel C-axis	185° to 135°
Control Resolution	0.0001°
Maximum Traverse Speed C-axis	10 RPM

WORK HEAD (A-axis)

Work Spindle Taper	ISO 50
Centre Height	155mm
Maximum Rotation Speed	40 RPM

OTHER DATA

Electrical Power	25 kVA
Coolant System	External
Approximate Weight	3950 Kgs



For More Information about this machine, Please feel free to contact us.

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