ARISTO Cutting Solutions

150 YEARS TRADITIONALLY INNOVATIVE

ARISTOMAT TL - High Speed Cutter of the new Generation

Clear designed cutting table

Impresses with its functional design and concentration on the basic essentials: a from all sides freely accessible work surface, extremely robust traverse bridge with minimal protruding at the sides and belt drive in all axis for slip-free drive. Powerful AC-servomotors and the modern CAN-Bus-steering technique enable the high throughput

Powerful vacuum technique

Up to 54 controllable vacuum zones hold even the smallest of remnants safely on the work surface.

Simple operating

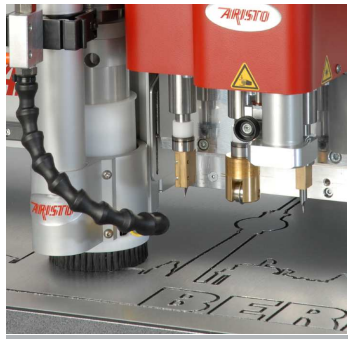
With the easy-to-use operable *CutterControlPanel* software, available in many languages, the ARISTOMAT cutters are controlled from PC. The windows user interface offers the user all graphical informations of the cutting data. With the mobile control pad essential functions such as navigation or setting the origin allow an effective operation.

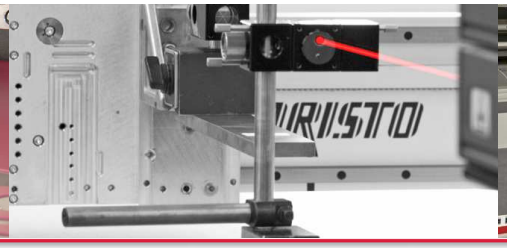
Various tool heads

Combinable single and multi-functional tool heads with tangentially controlled tool holders and a large number of precision tools, offer the possibility of a varied choice of materials to process.
This variety of possibilities for material processing can be supplemented with the automatic measuring system *AutomaticEye* and the providing of data via mobile barcode reader.

Material transport

To automate the processing, the machines can be supplemented with a revolving conveyor, a powered unwinding device for continual material transportation of roll materials and a sheet feeder system - for automatic loading of sheet materials from a stack.
The machines also can be converted to *ProductionLineCutters* (PLC) with integrated loading and/or unloading table.





Specifications *ARISTOMAT TL*

ARISTOMAT	Travels[1)] (WxL) mm (inch)	Outer dimensions[2)] (WxLxH) mm (inch)	Speed[3)] adjustable via software	Acceleration[3)]
TL 131O	1300 x 1000 (51 x 40)	1920 x 1760 x 1140 (76 x 69 x 45)	max. 1.13 m/s (45 in/sec)	max. 1.15 G
TL 131OC	1220 x 1000 (48 x 40)	1920 x 2140 x 1140 (76 x 84 x 45)	max. 1.13 m/s (45 in/sec)	max. 1.15 G
TL 1617	1600 x 1700 (63 x 67)	2220 x 2420 x 1140 (87 x 95 x 45)	max. 1.13 m/s (45 in/sec)	max. 1.15 G
TL 1617C	1520 x 1700 (60 x 67)	2220 x 2800 x 1140 (87 x 110 x 45)	max. 1.13 m/s (45 in/sec)	max. 1.15 G
TL 1625	1600 x 2500 (63 x 100)	2220 x 3220 x 1140 (87 x 127 x 45)	max. 1.13 m/s (45 in/sec)	max. 1.15 G
TL 1625C	1520 x 2500 (60 x 100)	2220 x 3600 x 1140 (87 x 142 x 45)	max. 1.13 m/s (45 in/sec)	max. 1.15 G

Material clearance thickness	max. 46 mm (max. 1.8 in) depending on the tool head and protective underlay
Input buffer	PC controlled
Static repeatability	± 0.02 mm/m (0.008 in) @20 degrees centigrade
Control circuit and drives	Digital AC servo motors
Data format	HPGL compatible, with extended command set
Vacuum	Adjustable matrix vacuum zones
Power supply[3)]	3-phase fixed connection, 400V, 50Hz
Operating	ARISTO control software for Windows XP, Vista (32 bit), 7 (32 bit / 64 bit) Various selectable languages. Mobile control pad.
Ambient conditions **operating temperatur** **storage temperatur** **rel. humidity**	 +10°C up to +30°C 50°F up to 86°F -15°C up to +45°C 5°F up to 113°F 40 - 80% non-condensing
Safety / Certification	CE-label; Emergency stop; Light barrier; Collision shut-off

1) Complies to the max. work area for one tool. Further tools reduce the max. work width.
1) The dimensions only refer to the basic machine.
2) Depending on the cutter size, cutter configuration and tool head.

Options

- ✓ Conveyor system with integrated uploading table (PCL-Machine)
- ✓ Motorized and manually winding and unwinding devices for roll materials
- ✓ Material clamp system
- ✓ *SheetFeeder* for automatic loading of sheet materials, also in combination with a motorized unwinding device
- ✓ Various combinable tool heads
- ✓ Data base *CutRecall* for saving, calling and editing of all process parameters
- ✓ Intelligent camera system *AutomaticEye* for accurate assignment and scaling of prints
- ✓ Mobile *BarcodeReader* for automatic process identification
- ✓ Projection of the cutting outline onto the material

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