

## 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 rack and pinion 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 *Cutter ControlPanel* 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

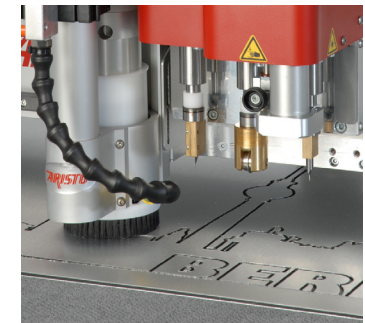
Combinable single and multi-functional tool heads with tangentially controlled tool holders and a large number of precision tools, offer the possibility of a varied choice of materials to process.

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.

The machines also can be converted to ProductionLineCutters (PLC) with integrated loading and/or unloading table.



Technical Specifications ARISTOMAT® TL

ARISTOMAT®	TL 1310	TL 1317	TL 1617	TL 1625	TL 1917	TL 1925
<b>Travels<sup>1</sup> WxL mm (inch)</b>						
without Conveyor	1.300 x 1.000 (51 x 40)	1.300 x 1.700 (51 x 67)	1.600 x 1.700 (63 x 67)	1.600 x 2.500 (63 x 98)	1.900 x 1.700 (75 x 67)	1.900 x 2.500 (75 x 98)
with Conveyor	1.220 x 1.000 (48 x 40)	1.220 x 1.700 (48 x 67)	1.520 x 1.700 (60 x 67)	1.520 x 2.500 (60 x 98)	1.820 x 1.700 (72 x 67)	1.820 x 2.500 (72 x 98)
<b>Outer dimensions<sup>2</sup> WxL mm (inch)</b>						
without Conveyor	1.920 x 1.760 (76 x 69)	1.920 x 2.420 (76 x 95)	2.220 x 2.420 (87 x 95)	2.220 x 3.220 (87 x 127)	2.520 x 2.420 (99 x 95)	2.520 x 3.220 (99 x 127)
with Conveyor	1.920 x 2.140 (76 x 84)	1.920 x 2.800 (76 x 110)	2.220 x 2.800 (87 x 110)	2.220 x 3.600 (87 x 142)	2.520 x 2.800 (99 x 110)	2.520 x 3.600 (99 x 142)

1. Complies with the max. work area for one tool. Further tools reduce the max. work width.  
2. The dimensions only refer to the basic machine.

<b>Speed<sup>1</sup></b>	max. 1,130 mm/sec (45 in/sec), adjustable via software
<b>Acceleration<sup>1</sup></b>	max. 1.15 G, adjustable via software
<b>Material clearance thickness</b>	max. 46 mm (max. 1.8 inch) depending on the tool head and protective underlay
<b>Input buffer</b>	PC controlled
<b>Static repeatability</b>	± 0,02 mm/m @20°C
<b>Control circuit and drives</b>	Digital AC servo motors
<b>Data format</b>	HPGL compatible, with extended command set
<b>Vacuum</b>	Adjustable matrix vacuum zones
<b>Power supply<sup>1</sup></b>	3-phase fixed connection, 400V, 50Hz
<b>Operating</b>	ARISTO control software for Windows Version 7, 8, 10 (32 bit / 64 bit) Various selectable languages. Mobile control pad.
<b>Safety / Certification</b>	CE-label; Emergency stop; Light barrier; Collision shut-off
<b>Ambient conditions</b>	
Operating temperature	+10°C up to +30°C (50°F up to 86°F)
Storage temperature	-15°C up to +45°C (5°F up to 113°F)
Rel. humidity	40 - 80% non-condensing

1. Depending on machine size, equipment and tool.

Options

- ✓ Conveyor system with integrated unload-table (PLC-Machine)
- ✓ Motorized and manually winding and unwinding devices for roll materials
- ✓ Material clamp system
- ✓ 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