ARISTO CNC Cutter

www.aristo.de

ARISTOMAT TL

High Speed Cutter of the new Generation

Clear designed cutting table

It impresses with its clear design and concentration on the essentials: a work surface which is accessible from all sides, extremely robust crossbar with minimal overhang at the sides. At the same time the modern technologies remain unseen: strong AC-servomotors and the revolutionary CAN-Bus-steering technology enable highthrough-put.

Powerful vacuum technique

The flawless vacuum technique with matrix zones, holds even small remaining bits of material firmly on the work surface.

Simple operating

The *CutterControlPanel* Software offers totally new possibilities of user guidance. The user has all information on cutting data on the PC-screen and controls all processing functions comfortably by mouse-click.

Essential functions such as manual control or setting of origin can be carried out from any point of the cutter by means of a mobile control pad.

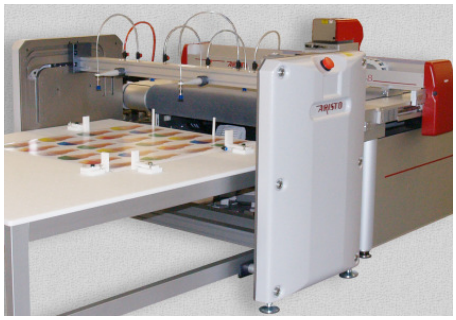
Various tool heads

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 Automatic Eye 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.



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ARISTO

Specifications ARISTOMAT TL

ARISTOMAT	Outer dimensions① (WxLxH) mm	Max. Work area② (WxL) mm	Speed③ adjustable via software *CutterControlPanel*	Acceleration③
TL 131O-8	1920 x 1760 x 1140	1300 x 1000	max. 1130 mm/s	max. 11.3 m/s²
TL 131O-8 Conveyor	1920 x 2140 x 1140	1220 x 1000	max. 1130 mm/s	max. 11.3 m/s²
TL 1617-8	2220 x 2420 x 1140	1600 x 1700	max. 1130 mm/s	max. 11.3 m/s²
TL 1617-8 Conveyor	2220 x 2800 x 1140	1520 x 1700	max. 1130 mm/s	max. 11.3 m/s²
TL 1625-8	2220 x 3220 x 1140	1600 x 2500	max. 1130 mm/s	max. 11.3 m/s²
TL 1625-8 Conveyor	2220 x 3600 x 1140	1520 x 2500	max. 1130 mm/s	max. 11.3 m/s²

Input buffer	PC controlled
Suitable for material thickness④	max. 46 mm
Static repeatability	± 0.02 mm/m @20 degrees centigrade
Control circuit and drives	Digital AC servo motors
Data format	HPGL compatible, with extended command set
Vacuum **1310-8** **1617-8** **1625-8**	 1.1 kW, 3 kW or 5.5 kW pump system with adjustable matrix vacuum zones 3 kW or 5.5 kW pump system with adjustable matrix vacuum zones 5.5 kW or 2 x 5.5 kW pump system with adjustable matrix vacuum zones
Voltage	230 V, 50/60 Hz, 16 A with a 1,1 kW pump system; 3-phase fixed connection, 400 V, 50 Hz or 460 V, 60 Hz; 16 A with 3 kW, 20 A with 5.5 kW or 32 A with 2x 5.5 pump system
Interface	RS 232C/V.24
Operating	Universal control software *CutterControlPanel* for Windows XP; multilingual: English, German, French, Italian, Polish, Dutch, Czech, other languages on request. Mobile control pad.
Safety / Certification	CE-label; Emergency stop; Light barrier; Collision shut-off

① The dimensions only refer to the basic machines without tool head.
② Work area for one tool.
③ Available only in connection with relevant options and tool heads.
④ Depending on the tool head and protective underlay.

Options

- Ultrasonics collision shut-off
- Conveyor system for feeding and removing material
- Conveyor system with integrated uploading table (PCL machine)
- Motorized unwinding device for roll materials
- Material clamp system
- SheetFeeder for automatic loading of sheet materials also in combination with a motorized unwinding device for roll materials
- Various tool heads
- *InfraCrease+™* system for creasing plastics material
- Intelligent camera system *Automatic Eye* for the exact cutting of printed patterns
- Mobile Barcode Reader for automatic assignment of cutting data
- Projection system for simply pos expensive materials or remnants
- PC table

ARISTO Graphic Systeme GmbH & Co. KG

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