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PDF CUTTERS INFORMATION

ARISTOMAT Large Format Cutter

ARISTOMAT	Travels (WxL) mm (inch)		Outer dimensions (WxL) mm (inch)		Speed AvS*	Acceleration AvS*
	without conveyor	*with conveyor*	*without conveyor*	*with conveyor*		
TL 1310	1300 x 1000 (51 x 40)	1220 x 1000 (48 x 40)	1920 x 1760 (76 x 69)	1920 x 2140 1920 x 2140	max. 1130 mm/s max. (45 in/sec)	max. 1.15 G max. 1.15 G
TL 1317	1300 x 1700 (51 x 67)	1220 x 1700 (48 x 67)	1920 x 2420 (76 x 95)	1920 x 2800 1920 x 2800	max. 1130 mm/s max. (45 in/sec)	max. 1.15 G max. 1.15 G
TL 1617	1600 x 1700 (63 x 67)	1520 x 1700 (60 x 67)	2220 x 2420 (87 x 95)	2220 x 2800 2220 x 2800	max. 1130 mm/s max. (45 in/sec)	max. 1.15 G max. 1.15 G
TL 1625	1600 x 2500 (63 x 98)	1520 x 2500 (60 x 98)	2220 x 3220 (87 x 127)	2220 x 3600 2220 x 3600	max. 1130 mm/s max. (45 in/sec)	max. 1.15 G max. 1.15 G
TL 1917	1900 x 1700 (75 x 67)	1820 x 1700 (72 x 67)	2520 x 2420 (99 x 95)	2520 x 2800 2520 x 2800	max. 1130 mm/s max. (45 in/sec)	max. 1.15 G max. 1.15 G
TL 1925	1900 x 2500 (75 x 98)	1820 x 2500 (72 x 98)	2520 x 3220 (99 x 127)	2520 x 3600 2520 x 3600	max. 113 max. (45 in/sec)	max. 1.15 G max. 1.15 G

Specifications

Material clearance thickness	max. 46 mm (max. 1.8 inch) depending on the tool head and protective underlay
Input buffer	PC controlled
Static repeatability	± 0.02 mm/m @ 20° C
Control circuit and drives	Digital AC servo motors
Data format	HPGL compatible, with extended command set
Vacuum	Adjustable matrix vacuum zones
Power supply	3-phase fixed connection, 400V, 50Hz
Operating	ARISTO control software for Windows Version 7, 8, 10 (32 bit / 64 bit) Various selectable languages. Mobile control pad
Ambient conditions - operating temperature	+10°C up to +30°C (50°F up to 86°F)
Ambient conditions - storage temperature	-15°C up to +45°C (5°F up to 113°F)
Ambient conditions - rel. humidity	40 - 80% non-condensing
Safety / Certification	CE-label; Emergency stop; Light barrier; Collision shut-off

Finishing in the LFP sector is today changing. Increasing printing speeds and ever larger formats of digital printers require new manufacturing strategies in finishing processing. The ARISTOMAT LFC®, specially

designed for the cutting of large format roll and sheet materials, offers the conditions for an optimized workflow.

Options

- Conveyer system with integrated unloading table (PLC-Machine)
- Motorised and manually winding and unwinding devices for roll materials
- Material clamp system
- Various combinable tools heads
- Database cut recall for saving, calling and editing of all process parameters
- Intelligent camera system – automatic eye for accurate assignment and scaling of prints
- Mobile barcode reader for automatic process identification
- Projection of the cutting outline onto the material

More Details

- Designed cutting table

  Ergonomic and 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 performance.

- Powerful vacuum technique

  Up to 255 controllable vacuum zones ensure for best power distribution. So even smallest remnants are securely held on the work surface.

- Simple operating

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

- Tool heads

  Combinable single and multifunctional tool heads with tangentially controlled tool holders and a large number of precision tools, offer the possibility of processing a varied choice of materials. 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

The heavy-duty version of the conveyor and individually adjustable material clamps ensure an automatic further transport of rolls and sheets. For flexible materials, optional unwinding devices allows an automatic feeding of the material from the roll onto the ARISTOMAT.

ARISTOMAT GL

ARISTOMAT	Travels (WxL) mm (inch)	Outer dimensions (WxLxH) mm (inch)	Speed Adjustable*	Acceleration Adjustable*
GL 2032	2040 x 3200 (80 x 126)	2660 x 4220 x 1090 (105 x 166 x 43)	max. 2.3 m/s (91 in/sec)	max. 2 G
GL 2032 C	1940 x 3200 (76 x 126)	2660 x 4220 x 1090 (105 x 166 x 43)	max. 2.3 m/s (91 in/sec)	max. 2 G
GL 2052	2040 x 5180 (80 x 204)	2660 x 6200 x 1090 (105 x 244 x 43)	max. 1.7 m/s (67 in/sec)	max. 1.5 G
GL 2052 C	1940 x 5180 (76 x 204)	2660 x 6200 x 1090 (105 x 244 x 43)	max. 1.7 m/s (67 in/sec)	max. 1.5 G
GL 2072	2040 x 7160 (80 x 282) (80 x 282)	2660 x 8180 x 1090 (105 x 322 x 43)	max. 1.7 m/s (67 in/sec)	max. 1.5 G
GL 2072 C	1940 x 7160 (76 x 282)	2660 x 8180 x 1090 (105 x 322 x 43)	max. 1.7 m/s (67 in/sec)	max. 1.5 G

Specifications

Material clearance thickness	max. 55 mm (max. 2.16 inch) depending on the tool head and protective underlay
Input buffer	PC controlled
Static repeatability	± 0.08 mm/m @ 20° C
Control circuit and drives	Digital AC servo motors
Data format	HPGL compatible, with extended command set
Vacuum	Adjustable matrix vacuum zones
Power supply	3-phase fixed connection, 400V, 50Hz
Operating	ARISTO control software for Windows Version 7, 8, 10 (32 bit / 64 bit) Various selectable languages. Mobile control pad
Ambient conditions - operating temperature	+10°C up to +30°C (50°F up to 86°F)
Ambient conditions - storage temperature	-15°C up to +45°C (5°F up to 113°F)
Ambient conditions - rel. humidity	40 - 80% non-condensing
Safety / Certification	CE-label; Emergency stop; Light barrier; Collision shut-off

Options

- Conveyer system with integrated unloading table (PLC-Machine)

- Motorised and manually winding and unwinding devices for roll machines
- Material clamp system
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- Database cut recall for saving, calling and editing of all process parameters
- Intelligent camera system – automatic eye for accurate assignment and scaling of prints
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- Projection of the cutting outline onto the material

More Details

- High speed cutters with most modern technology

  ARISTO increases the productivity of their large GL-machines. With a completely new steering system, the throughput for large format processing with these production machines has been improved considerably. This makes the plotter even more interesting for automated volume production, from panel or roll materials.

- 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 264 controllable vacuum zones hold even the smallest of remnants safely on the work surface.

- Simple operating

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- Various tool heads

  Combinable single and multifunctional tool heads with tangentially controlled tool holders and a large number of precision tools, offer the possibility of processing a varied choice of materials. 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. The machines also can be converted to Production Line Cutters (PLC) with integrated loading and/or unloading table.

ARISTOMAT TL

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- Motorised and manually winding and unwinding devices for roll machines

- Material clamp system
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- Intelligent camera system – automatic eye for accurate assignment and scaling of prints
- Mobile barcode reader for automatic process identification
- Projection of the cutting outline onto the material

More Details

- Clear designed cutting table

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- Powerful vacuum technique

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

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