

ARISTOMAT GL - High speed cutters with most modern technology

ARISTO once again 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

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

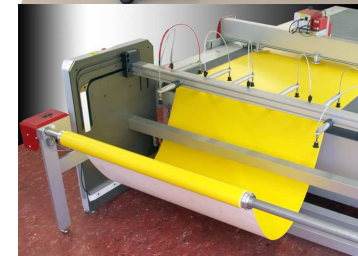
Combinable single and multifunctional tool heads with tangentially controlled tool holders and a large number of precision tools, offer the possibility of processing a varied choice of materials. This variety of possibilities

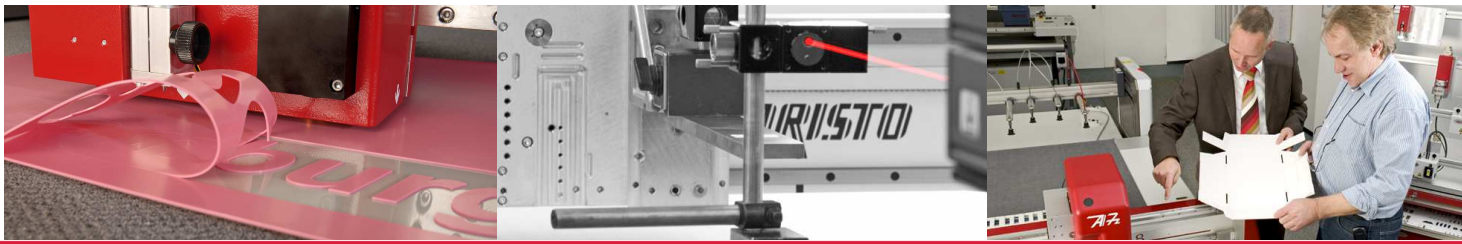
for material processing can be supplemented with the automatic measuring system *AutomaticEye* and the providing of data via mobile barcode reader.

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 GL**

ARISTOMAT	Travels ¹⁾ (WxL) mm (inch)	Outer dimensions ²⁾ (WxLxH) mm (inch)	Speed ³⁾ adjustable via software	Acceleration ³⁾
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)	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

Material clearance thickness	max. 55 mm (max. 2.16 in) depending on the tool head and protective underlay	
Input buffer	PC controlled	
Static repeatability	± 0.08 mm/m (0.0032 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-phase fixed connection, 400V, 50Hz	
Operating	ARISTO control software for Windows XP, Vista (32 bit), 7 (32 bit) Various selectable languages. Mobile control pad.	
Ambient conditions		
operating temperatur	+10°C up to +30°C	50°F up to 86°F
storage temperatur	-15°C up to +45°C	5°F up to 113°F
rel. humidity	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. Further sizes on request

2) The dimensions only refer to the basic machine.

3) Depending on the cutter size, cutter configuration and tool head.

Options

- ✓ Conveyor system for feeding and removing material, also with integrated uploading table (PCL-Mashine)¹⁾
- ✓ Motorized 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 assignment of cutting data
- ✓ Projection of the cutting outline onto the material

