

## 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 *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 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.

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



## Technical Specifications ARISTOMAT® GL

ARISTOMAT®	Travels <sup>1</sup> W x L mm (inch)	Outer dimensions <sup>2</sup> W x L x H mm (inch)	Speed <sup>3</sup> adjustable via Software	Acceleration <sup>3</sup> adjustable via Software
<b>GL 2032</b>	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
<b>GL 2032 C</b>	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
<b>GL 2052</b>	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
<b>GL 2052 C</b>	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
<b>GL 2072</b>	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
<b>GL 2072 C</b>	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

<b>Material clearance thickness</b>	max. 55 mm (max. 2.16 inch) depending on the tool head and protective underlay
<b>Input buffer</b>	PC controlled
<b>Static repeatability</b>	± 0,08 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</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. Complies with 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 with integrated unloading table (PLC-Machine)
- ✓ Motorized 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 assignment of cutting data
- ✓ Projection of the cutting outline onto the material