ARISTOMAT GL

High speed cutters with most modern technology

After the more than successful market introduction, 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 90 controllable zones hold even the smallest of remnants safely on the work surface.

Simple operating

The *CutterControlPanel* Software offers totally new possibilities of user guidance.

Via PC-screen, all necessary information on cutting data is graphically depicted and the user can comfortably steer the processing functions via mouse click.

Basic functions, such as hand steering or setting the origin, can be carried out from ny area of the cutter using the mobile operating unit.
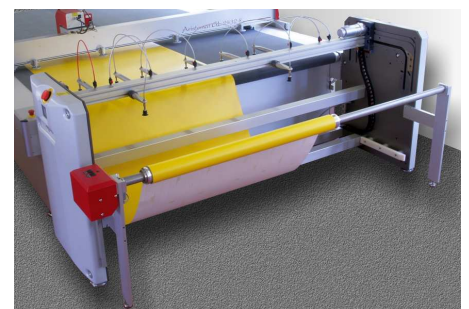
Various tool heads

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.

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

QUALITY MANAGEMENT Certified
Regular voluntary monitoring conform to ISO 9001:2008
ISO 9001:2008
DEKRA

ARISTO

ARISTO Graphic Systeme
GmbH & Co. KG

Specifications ARISTOMAT GL

ARISTOMAT	Outer dimensions[1] WxLxH mm (inch)	max. Work area[2] WxL mm (inch)
GL 2O32-8	2660 x 4220 x 1090 (105 x 166 x 43)	2040 x 3200 (80 x 126)
GL 2072-8	2660 x 8180 x 1090 (105 x 322 x 43)	2040 x 7160 (80 x 282)
GL 2432-8	3020 x 4220 x 1090 (119 x 166 x 43)	2400 x 3200 (95 x 126)
GL 3232-8	3800 x 4220 x 1090 (150 x 166 x 43)	3180 x 3200 (125 x 126)
GL 3252-8	3800 x 6200 x 1090 (150 x 244 x 43)	3180 x 5180 (125 x 204)
GL 4232-8	4890 x 4220 x 1090 (193 x 166 x 43)	4260 x 3200 (168 x 126)
GL 4252-8	4890 x 6200 x 1090 (193 x 244 x 43)	4260 x 5180 (168 x 204)

Speed[3] **GL 2O32-8** and **GL 2432-8** all the rest of them	max. 2.3 m/s (max. 91 in/sec) max. 1.7 m/s (max. 67 in/sec)
Acceleration[3] **GL 2O32-8** and **GL 2432-8** all the rest of them	max. 2 G max. 1.5 G
Input buffer	PC controlled
Suitable for material thickness	max. 55 mm (max. 2.16 in) depending on the tool head and protective underlay
Static repeatability	± 0.08 mm/m (0.0032 in/40 in)@20 degrees centigrade
Control circuit and drives	Digital AC servo motors
Data format	HPGL compatible, with extended command set
Vacuum **GL 20xx, 24xx** **GL 32xx, 42xx**	5.5 kW or 2 x 5.5 kW pump systems; adjustable matrix vacuum zones 2 x 5.5.kW or 3 x 5.5 kW pump systems, adjustable matrix vacuum zones
Power supply	3-phase fixed connection, 400 V, 50 Hz or 460 V, 60 Hz; 20 A with a 5.5 kW pump system, 32 A with a 2x 5.5 kW pump system and 50 A with a 3 x 5.5 kW pump system
Interface	RS 232C/V.24
Operating	Universal control software *CutterControlPanel* for Windows XP or Vista (32 bit); Multilingual: English, German, French, Italian, Polish, Dutch, Czech, other languages on request. Mobile control pad.
Ambient conditions operating temperatur storage temperatur rel. humidity	+10°C up to +30°C 50°F up to 86°F -15°C up to +45°C 5°F up to 113°F 40 - 80% non-condensing
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. With machines with conveyor the work width is reduced by 100 mm. Other sizes available on request.
[3] Depending on the cutter size, cutter configuration and tool head.

Options

- 🟥 Ultrasonics collision shut-off
- 🟥 Conveyor system for feeding and removing material (Depending on the machine size)
- 🟥 Conveyor system with integrated uploading table (PCL-Machine)
- 🟥 Motorized unwinding device for roll materials
- 🟥 SheetFeeder for automatic loading of sheet materials, also in combination with the 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 positioning high-difinition materials or remnants