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.
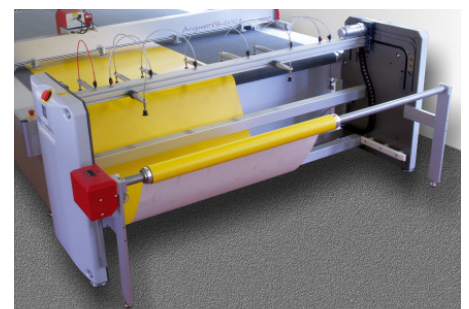
Various tool heads

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 extended as a Production Line Cutter (PLC) with integrated loading and/or uploading table.

QUALITY MANAGEMENT Certified
Regular voluntary monitoring conform to ISO 9001:2000

Specifications ARISTOMAT GL

ARISTOMAT	Outer dimensions[1] (WxLxH) mm	Max. Work area[2] (WxL) mm	Speed[3] adjustable via software *CutterControlPanel*	Acceleration[3]
GL 2O32-8	2600 x 4220 x 1090	2040 x 3200	max. 2300 mm/s	max. 2 G
GL 2072-8	2600 x 8180 x 1090	2040 x 7160	max. 1700 mm/s	max.1.5 G
GL 2432-8	2960 x 4220 x 1090	2400 x 3200	max. 2300 mm/s	max. 2 G
GL 3232-8	3800 x 4220 x 1090	3180 x 3200	max. 1700 mm/s	max. 1.5 G
GL 3252-8	3800 x 6200 x 1090	3180 x 5180	max. 1700 mm/s	max. 1.5 G
GL 4232-8	4890 x 4220 x 1090	4260 x 3200	max. 1700 mm/s	max. 1.5 G
GL 4252-8	4890 x 6200 x 1090	4260 x 5180	max. 1700 mm/s	max. 1.5 G

Input buffer	PC controlled
Suitable for material thickness[4]	max. 55 mm
Static repeatability	± 0.08 mm/m @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

Voltage	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; 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, material transport systems and unloading table.

[2] Work area for one tool. With machines with conveyor the work width is reduced by 100 mm. Other sizes available on request.

[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 (Depending on the machine size)
- 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 the motorized unwinding device for roll materials

- Various tool heads
- *InfraCrease+*[TM] 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
- PC table

ARISTO

ARISTO Graphic Systeme
GmbH & Co. KG