

ARISTO® XLR - High Speed Cutter

Conception of the cutting table

ARISTO® XLR impresses with its functional design and concentration on the essentials: Work surface freely accessible from all sides, extremely robust cross rail with minimal lateral overhangs.

- Rack and pinion drive in all axes for slip-free drive
- Powerful AC servo motors
- Modern CAN bus technology for high throughput

Powerful vacuum technique

Up to 232 controllable vacuum zones hold even the smallest of remnants safely on the work surface.

Simple operating

With the easy-to-use operable *CutterControl-Panel* software, available in many languages, the ARISTO® 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.

Position detection with various sensors (e.g. camera), mobile hand scanner and much more round off the options.

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 ARISTO® XLR

ARISTO®	XLR2233	XLR2253	XLR2273	XLR2292
Travels¹ (WxL mm)				
without Conveyor	2.200 x 3.300	2.200 x 5.280	2.200 x 7.260	2.200 x 9.240
with Conveyor	2.120 x 3.300	2.120 x 5.280	2.120 x 7.260	2.120 x 9.240
Outer dimensions² (WxL mm)				
without Conveyor	2.886 x 4.089	2.886 x 6.069	2.886 x 8.049	2.886 x 10.029
with Conveyor	2.886 x 4.469	2.886 x 6.449	2.886 x 8.429	2.886 x 10.409
Adjustable vacuum zones	88	136	184	232

1. Maximum possible working area with one tool. Additional tools reduce the maximum working area.
2. The dimensions refer only to the basic machine

Speed¹	1.200 mm/s
Acceleration¹	12 m/s ² => 1,22 G
Material clearance thickness	max. 60 mm, 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, enhanced with device-specific commands. Import of other file formats possible via the software: e.g. XML, DXF etc.
Vacuum	Up to 232 adjustable matrix vacuum zones
Power supply¹	3-phase fixed connection, 400V, 50Hz/60Hz
Operating	ARISTO controlled software for Windows 10, 11 (64 bit) Various selectable languages. Mobile control pad.
Safety / Certification	CE-label; Emergency stop; Light barrier; Collision shut-off
Ambient conditions	
Operating temperature	+10°C bis +30°C
Storage temperature	-15°C bis +45°C
Rel. humidity	40 - 80% non-condensing

1. Depending on machine size, equipment and tool.

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
- ✓ Scan & nest in work area