

## ARISTOMAT LFC - Large Format Cutter

150 YEARS  
TRADITIONALLY  
INNOVATIVE

Finishing in the LFP sector is today changing. Increasing printing speeds and ever larger formats of digital printers require new manufacturing strategies in finishing processing. The *ARISTOMAT LFC*, specially designed for the cutting of large format roll and sheet materials, offers the conditions for an optimized work flow.

### Designed cutting table

Ergonomic and 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 performance.

### Powerful vacuum technique

Up to 255 controllable vacuum zones ensure for best power distribution. So even smallest remnants are securely held 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.

### Tool heads

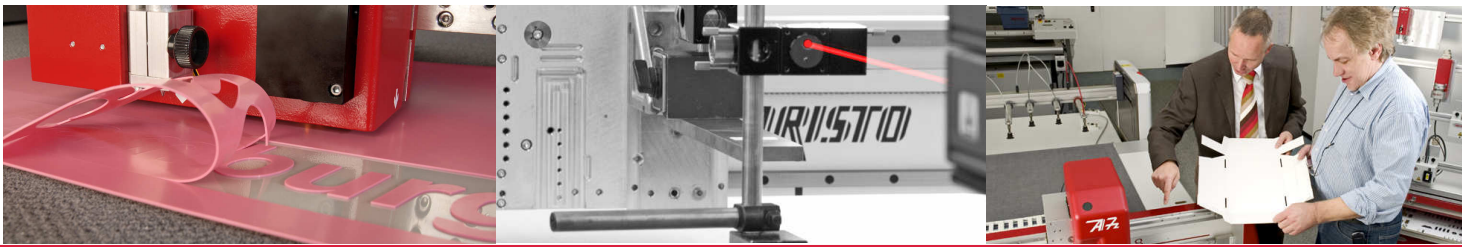
Combinable single and multifunctional tool heads with tangentially controlled tool holders and a large number of precision tools, offer the possibility of processing a varied choice of materials. This variety of possibilities

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

### Material transport

The heavy duty version of the driven conveyor and individually adjustable material clamps ensure an automatic further transport of rolls and sheets. For flexible materials, an optional unwinding device allows an automatic feeding of the material from the roll onto the *ARISTOMAT*.





## Specifications ARISTOMAT LFC

<b>Outer dimensions (WxLxH) <sup>1)</sup></b>	
<b>LFC 5232</b>	6,160 x 4,370 x 1,100 (mm), 243 x 172 x 43 (in)
<b>LFC 5252</b>	6,160 x 6,350 x 1,100 (mm), 243 x 250 x 43 (in)
<b>Max. Work area (WxL) <sup>2)</sup></b>	
<b>LFC 5232</b>	> 5,000 x 3,000 (mm), 200 x 120 (in)
<b>LFC 5252</b>	> 5,000 x 5,000 (mm), 200 x 200 (in)
<b>Input buffer</b>	PC controlled
<b>Material clearance thickness</b>	max. 60 mm (2.36 in), depending on the tool head and protective underlay
<b>Static repeatability</b>	± 0.08 mm/m (0.0032 in/40 in) @20 degrees centigrade
<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>Interface</b>	RS 232C/V.24
<b>Operating</b>	ARISTO <i>CutterControlPanel</i> software for Windows XP, Vista (32 bit), 7 (32 bit) Multilingual: English, German, French, Italian, Polish, Dutch, Czech, other languages on request. Mobile control pad.
<b>Ambient conditions</b>	
<b>operating temperatur</b>	+10°C up to +30°C    50°F up to 86°F
<b>storage temperatur</b>	-15°C up to +45°C    5°F up to 113°F
<b>rel. humidity</b>	40 - 80% non-condensing
<b>Safety / Certification</b>	CE-label; Emergency stop; Light barrier; Collision shut-off

1) The dimensions only refer to the basic machines without tool head and options. Further sizes on request.

2) Depending on the used tool head, modules and options.

## Options

- ✓ Motorized unwinding device for roll materials
- ✓ Material clamp system
- ✓ Various tool heads e.g. *MultiHead*, *HF Router*, *BevelCut*, *CodingHeads* and others
- ✓ Data base *CutRecall* for saving, calling and editing of all material and process specific parameter settings
- ✓ Intelligent camera system *AutomaticEye* for the exact cutting of printed patterns
- ✓ Mobile *BarcodeReader* for automatic assignment of cutting data
- ✓ Projection of the cutting outline onto the material
- ✓ *InfraCrease+™* system for creasing plastics material
- ✓ PC table

