ARISTO®
Forming Your Business

HF Routing Device - Powerful high frequency spindle up to 1,050 W and 60,000 rpm

This high-tech tool is suitable for processing many different materials e.g. rigid plastics, Alu-Dibond, hard foam, MDF panels and others.

In addition to thin materials also thick materials can be processed in several steps.

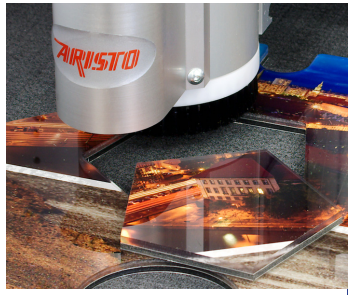
All router functions are conveniently steered via the PC-software ARISTO *CutterControlPanel* (CCP). Optionally the database *CutRecall* offers the possibility to job-/material specifically store process-related data and therefore considerably reduces the setup time.

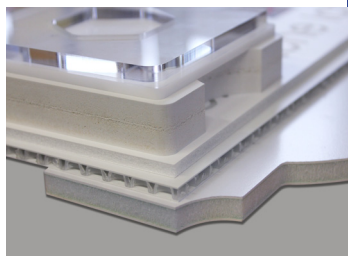
The connection and control of an external chip exhaust system is prepared.

It is available for all ARISTOMATs of the GL, TL and LFC series, either as a stand-alone solution or in combination with other tool heads.

Materials that are not easily machinable without a cooling lubricant, or where there is an increased tool wear, can be milled with a minimum quantity of cooling lubricant.

With the optional *AutomaticEye* module printed sheet materials can be measured and subsequently routed. In the process, a possible distortion in the print will be compensated.





Forming Your Business

Technical Specifications HF Routing Device

HF motor spindle	
Speed	5,000 - 60,000 rpm, adjustable via PC-software *CutterControlPanel*
Torque	max. 17 Ncm, depending on the cooling system
Power	max. 1,050 W, depending on the cooling system
Bearing system	ceramic, 3-fold, lifetime lubrication
Sealing air	0.5 - 0.8 bar, dry and dust free 7.3 - 11.3 PSI
Air flow[1]	min. 17.5 (0.62) l/min (SCFM), water- and oil free
Tool change	manually
Collets Ø	1.0 - 6.35 (0.04 - 0.25) mm (in)
Ambient conditions	+ 5 up to + 40 °C, max. 2,000 m (7.87 in) above sea level 41 up to 104 °F
Regulated Z-axis	52 (2) mm (in) stroke

Required vacuum cleaner	
Air flow	min. 300 m^3/h
Vacuum	approx. 0.3 (4.35 bar (PSI)
Connector	50 (2) mm (in) external diameter 50 (2) mm (in) length
Electrical loading for a controlled exhaust	3/PE AC 400V 50Hz, max. 10A
System requirements	ARISTOMAT of the series GL, TL or LFC

1 Depending on the cutter configuration and tool head the required air flow may increase.

Option

- ✓ Coolant mist system for aluminium, cooper

  For this regulated compressed air is required:

  6 (87) bar (PSI) pulse free, min. 30 (1.06) l/min (SCFM), recommended 50 (1.77) l/min (SCFM), water and oil free.

Choice of material

- ✓ Polycarbonat (PC), Polythene (PE)
- ✓ Alu-Dibond
- ✓ Acrylic (PMMA), Polystyrene (PS)
- ✓ Wood, Plywood
- ✓ GFK, CFK
- ✓ Medium Density Fibreboard
- ✓ High Pressure Laminate
- ✓ Rigid foam
- ✓ Extruded and cast acrylic
- ✓ Gasket materials
- ✓ Offset printing aluminium

  and others

160 YEARS TRADITIONALLY INNOVATIVE