

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 times.

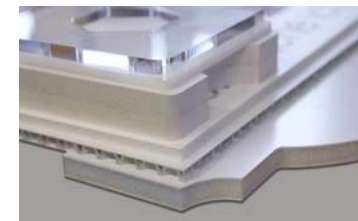
The connection and control of an external chip exhaust system is prepared.

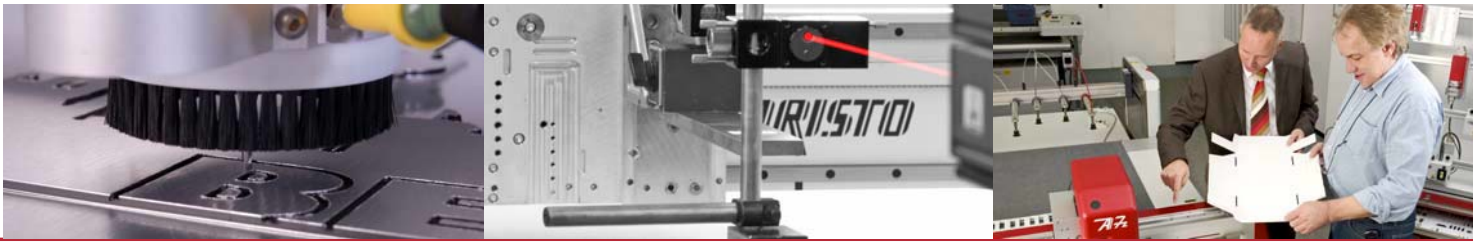
It is available for all ARISTOMATs of the GL, TL and LFC series, either as a stand-alone solution or in combination with other tool heads.



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 material can be measured and subsequently routed. In the process, a possible distortion in the print will be compensated.





Specifications HF Routing Device

HF motor spindle

Speed	5,000 - 60,000	rpm	adjustable via pc software <i>CutterControlPanel</i>
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 7,3 - 11,3	bar PSI	dry and dust free
Air flow¹	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 41 up to 104	°C °F	max. 2,000 m (7,87 in) above sea level
Regulated Z-axis	52 (2)	mm (in)	stroke

Required vacuum cleaner

Air flow	min. 300	m³/h	
Vacuum	approx. 0,3 (4,35)	bar (PSI)	
Connector	50 (2) 50 (2)	mm (in) mm (in)	external diameter 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 other

