



RMN MODEL

The Compact Solution

Compact Air Bearing Spindle by Colibri

- Build more compact machines
- Install more machines in less space
- Get more motor power options in one spindle

EXCLUSIVE ON/OFF BRUSHES

Unique in the market

Increase brush life by 1000% for big savings in brush replacement

ON/OFF BRUSHES touch the spindle shaft only when needed (during height check procedure). Dramatically reduces wear on brushes from continuous use - increasing brush life 10 times!

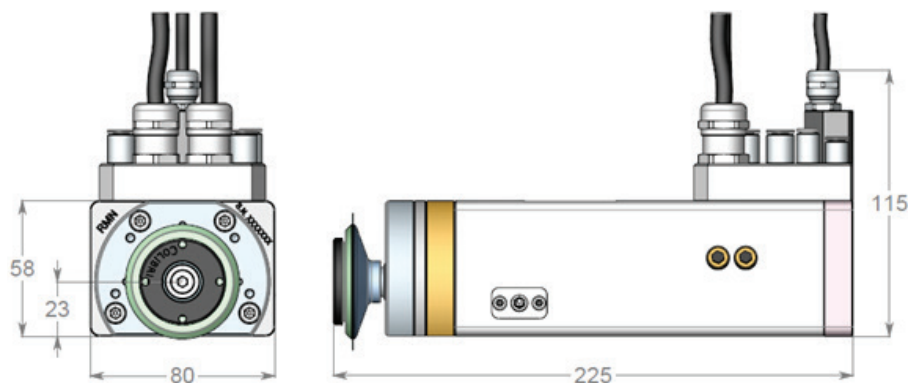
More great advantages of the RMN design:

- Flexible motor type: 1.2 / 1.8 / 2.4 kW, 60 krpm motor selection - all in one spindle housing
- Exceptionally short housing, ideal for compact dicing systems - both single and face-to-face spindle positioning
- Top spindle mounting (Gantry) - enhanced structure rigidity
- Improved air-bearing design - higher load capacity and rotor stiffness
- Better air labyrinth at the spindle front - prevents dirt penetration
- Integral shaft lock for easy blade replacement
- Removable wheel mount can be dismantled/exchanged by operator for both hub and hub-less blades

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Specifications:
Dimensions in mm



Category	Parameter	Value	Units	Remarks
Air bearing performance	Air supply pressure	5.5	Bar	
	Air consumption	50	l/min	@ 5.5 bar
	Radial load capacity	120	N	
	Axial load capacity	210	N	
	Radial stiffness	7	N/μ	
	Axial stiffness	9	N/μ	
Motor performance	Motor type	DC brushless		
	Motor output power	1.2 / 1.8 / 2.4	Kw	
	Max operating speed	60,000	rpm	
	Number of poles	6		
	Min cooling water flow	2	l/min	
General information	Direction of rotation	CW or CCW		Front view
	Spindle weight	7.4	Kg	
	Brushes	<ul style="list-style-type: none"> • Device fitted with standard brushes • ON/OFF brushes are optional 		

CONTACT US: COLIBRI AIR BEARING SPINDLES (DICING)
efrati@Colibrispindles.com / Marketing@colibrispindles.com

Colibri is a world leader in advanced spindle technology and solutions, specializing in the design and manufacture of compact, high-speed coolant-driven spindles, capable of operating with minimal vibrations and run-out.

Find out more about Colibri Spindles, visit our website: www.colibrispindles.com

