

COLIBRI DICING SPINDLES

Length (mm)



LIGHT AS A BIRD

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DESIGN & MANUFACTURING

Patented Motorized
Bearing Technology inside



Colibri Dicing Spindle Advantages

- Compact design with lower mass
- Reduced machine footprint
- Simplified machine design
- Ideal for tilted position application
- Increase machine's UPH

FLANGE

Ø8.5 (see note)



COLIBRI'S COMPACT DICING SPINDLES

Colibri specializes in the design and manufacture of spindles for dicing machine. Colibri utilizes its patent-pending technology to provide exceptionally compact products.



BOH Series
195 mm
7 kg

NEW

SAR Series
117 mm
2.2 kg

Colibri's Compact BOH Dicing Spindle Specifications

Weight:	7 kg
Dimensions:	Ø80 mm x 195 mm
Speed:	up to 60,000 rpm
Power:	1200 W
Cooling:	Water
Torque at Maximum Speed:	0.2 Nm
Axial Load Capacity:	130 N
Radial Load Capacity:	100 N
Axial Stiffness:	8 N/μm
Radial Stiffness:	7 N/μm
Run Out:	0.1 – 0.5 μm

Advantages

Improved brush maintenance

- Unique method for height measuring springless air-operated brushes
- Reduces brush replacement frequency
 - Improves brush powder clearing, which lowers bearing contamination

Improved spindle vibration

- Centered motor dramatically reduces vibration
- Front mounting reduces blade oscillation and thermal expansion, which causes blade displacement

COLIBRI DICING SPINDLES FAMILY

2" Air bearing

DC 1200 W / 60,000 rpm
Ø80 mm x 306 mm



3" Air bearing

DC 2300 W / 30,000 rpm
75 mm x 120 mm x 370 mm



4" Ball bearing

AC 4000 W / 30,000 rpm
Ø100 mm x 262 mm



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