



# Colibri Spindles Ltd.

## Line of Business

Semiconductor Dicing  
Package Singulation  
Optical components  
Micro-machining  
Engineering services

## Established

2003

## Leading executive

Mr. Oren Harpaz, Owner.

**C**olibri is a world leading company in the field of air-bearing spindles.

Colibri specialized in designing and manufacturing of compact air-bearing spindles, with high speed, low vibration and minimal run out. Colibri products are exceptional in their ability to allow designers to produce smaller, lighter, and more precise systems.

The Colibri air-bearing spindles are widely used especially in the field of Semiconductor Dicing and package Singulation, where high rotation speed and low vibration level are required.

The Company is located in the Lavon industrial park, at the north of Israel, where the entire process from design to production is done in-house using the most modern and sophisticated equipment.



As Colibri products perform in a demanding industry where superb accuracy level is a must, The equipment used allows manufacturing parts with a tight tolerances and accuracy down to a Micron.

## Customers

Colibri serves both OEM's – machine builders, as well as end-users who use the systems for internal production.

Based on a vast accumulated experience in the area of air-bearing design, Colibri is capable to offer its customers not only ordinary spindles but also special and customized spindle and bearing solution.

## Products and Services

### Air-bearing spindles:

Colibri provides spindles for the Semiconductors industries, including: Soft and hard material Dicing, package Singulation and test applications. The Colibri air-bearing spindles are also used for the manufacturing of optical components and fine drilling applications that require high accuracy and low vibration level.

### Combined spindle solutions:

Colibri also provided combined spindle solutions for surface machining and micro-machining for high speed applications, where small tool size and high-rotation speed are required, especially in the metal removal industry.

### R&D services & customized spindles:

Colibri designs customized air bearing spindles, providing bearing calculations using special software and analyzing tools which were developed in-house and offer solutions for turn-key projects including sub-assemblies and special projects.

### Dynamic balancing services:

As Colibri specialized in manufacturing spindle rotors for high-speed operation, the company also offers sub-contracting services for dynamic balancing.

### Spindle repair services:

As a spindle designer and manufacturer, Colibri offers its customers (OEMs and end-users) professional repair services for all types of air-bearing spindles. Colibri's promise extends beyond just timely service, support, and repairs.

Colibri guarantees a quick response to any problem, question, or technological challenge.

## Quality

Colibri works under ISO 9000:2008 and AS9100 standards to meet the highest industry quality level and maintain a high level of customer satisfaction at all times.

## Seeking:

- Strategic partners
- Cooperation with OEM's
- Development funds



## Contact:

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