Precision in perfection

Intelligent positioning systems
Our company philosophy

- Working in partnership with our customers defines our activity.
- We work with great commitment towards energy-efficient and economical solutions.
- Our customers benefit from our experience and knowledge.
- Individual consultancy and tailored solutions lead to satisfied customers.
The company

Your reliable partner when it comes to automation tasks

Compact format – innovative solutions – future-proof technology

These have been the driving factors for GUNDA Electronic GmbH since its foundation in 1995. GUNDA Electronic has developed compact components with simple operation in the field of automation solutions with stepper motor technology. These products facilitate economical and energy-efficient solutions for diverse and individual applications.

Compact positioning systems, electrical linear units, sensors and industrial electronics are developed at GUNDA Electronic by a qualified team.

The products are manufactured in Germany in accordance with high quality benchmarks.

Economical alternatives to solutions with air

The products from GUNDA Electronic reveal their strengths in particular when it comes to applications that are difficult to execute or financially inefficient when realised with air. Using GUNDA positioning systems it is possible to achieve individual solutions for almost every industry.

Company history


1996 Start of serial production of the Colibri – Generation 1

2006 Company relocates to larger premises in Friedrichshafen; development of the Colibri – Generation 2 with 32 Bit

2008 Expansion of the product portfolio to include linear units

2011 Company management changes hands: Manfred Müller succeeds Gerhard Dzubiel as Managing Director on the 1st March 2011

“We are delighted to provide consultancy to our customers on an individual basis and support them throughout their projects. This leads to long-term, successful partnerships.”

Manfred Müller, Managing Director
The Colibri: Small, gleaming metallic-hued bird of tropical America; has mastered the unique art of hovering with the utmost precision.

It has lent its name to our products and thereby serves as a role model for our positioning units when it comes to precision.
The compact positioning system for precise movement sequences

Colibri: The compact drive
Faster, more precise change of position with optimised energy consumption
Much like their natural role model - the Colibri hummingbird - Colibri positioning units are distinguished by the maximum in precision, a high degree of flexibility and extensive efficiency. These characteristics are of decisive significance to technical automation systems and bring with them clear advantages.

The alternative to pneumatic axes
Developed as an intelligent positioning unit for machine constructors seeking creative solutions for difficult applications, the Colibri drive fulfils the maximum in demands when it comes to running behaviour, precision, flexibility and positioning possibilities.

In one housing – small and compact
The Colibri drive knows how to complete the task. It carries out drive management fully autonomously and is therefore part of the intelligent periphery - thus setting benchmarks.

• Perfect positioning
• Simple integration
• Ease of use
The Colibri drive forms the basis of our products

Colibri-C: The controllers
The heart of the system by itself

Available in a range of performance classes and with various scopes of functionality, from simple basic control right through to bus variants.
BAC100, FlatPac, MiniPac, BigPac

Colibri-L: The electrical linear units
The Colibri drive paired with linear movement

A complete electrical drive system, ready for installation, for direct use in the application with minimal installation and integration requirements.
Available in a range of versions for various applications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colibri-L SE</td>
<td>spindle axis</td>
</tr>
<tr>
<td>Colibri-L ZE</td>
<td>toothed belt axis</td>
</tr>
<tr>
<td>Colibri-L LE</td>
<td>lifting unit without guide</td>
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<tr>
<td>Colibri-L FE</td>
<td>lifting unit with guide</td>
</tr>
<tr>
<td>Colibri-L KE</td>
<td>short lifting unit</td>
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Colibri-G: The gripper
Small, intelligent and all the requisite functions aboard

The extremely simple operation, infinitely adjustable gripping force and simple mechanical fastening make the gripper a diverse and useful component.

Colibri accessories
Straightforward, rapid commissioning and uncomplicated installation

We offer everything you require for installation, operation and commissioning in the form of accessories. Gearing, brakes, power units, cables, hand-held operating devices, interface converters and much more besides.
Intelligent positioning systems for maximum precision

Diverse applications possible

Universally applicable and easy to integrate – the perfect alternative to air-controlled systems

The application areas of Colibri systems are as broad-ranging as the colours of the bird from which they take their name.

Anywhere that something moves within an automated system, Colibri positioning systems constitute a reliable and powerful partner; relieving the central control through internal, autonomous intelligence. For the user this means ease of installation and rapid, trouble-free commissioning.

Colibri systems can be used for example in:

- "Pick and Place" systems
- Packaging systems
- Soldering systems
- Dosing systems
- Movement systems
- Sorting systems

Colibri is the right system for energy-efficient and innovative solutions in machine construction - in particular in special machinery construction - in almost every sector.
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Or contact our competent specialist dealer.