

ATLANTA Service

Smart Drive Technology of Tomorrow



This is how you benefit with us with Industry 4.0

With ATLANTA Service you enter the world of Industry 4.0 with us. With the **web-based and responsive tool**, which requires **no installation** and **can be used with all end devices** you can access the technical product data of ATLANTA Racks at **any time**, as well as other applications such as **Rack Mapping** or requesting an identical **Replacement Rack** for your machine.

The **Motor-Match** function gives you a selection of the individual components that are required for the motor connection of an ATLANTA Servo Gear Unit.



atlantagmbh.com/atlanta-service

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„OUR PRODUCTS OFFER OUR CUSTOMERS AN INCOMPARABLE ADDED VALUE THAT WE KNOW HOW TO PROVE EVERY DAY ANEW “

Andreas Kunz | Sales Manager

The Digital Rack

All ground ATLANTA racks of the latest generation are uniformly marked in production by means of a modern laser marking system. This marking is located on the left at the beginning of each rack and ensures the identification and traceability of the rack. In addition to information such as article number, production batch and year of production, our racks are marked with a 2D matrix code and a sequential number. This can be scanned with any terminal device. With the ProductScan function, you can now access the stored measurement data of the rack and other information and functions.

ProductScan

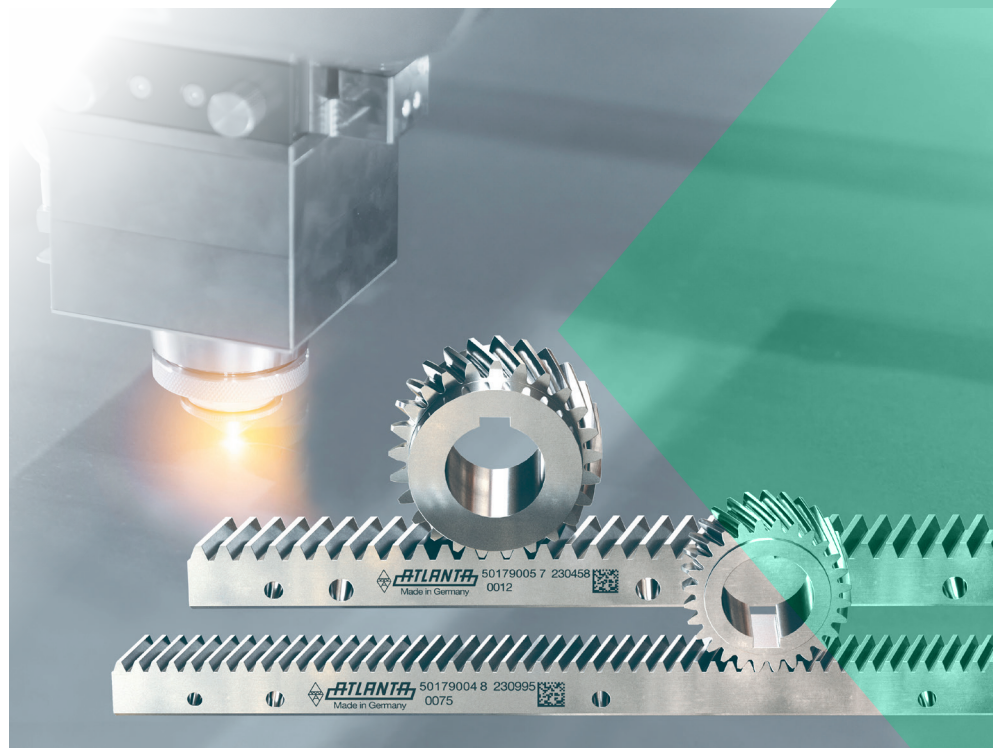
With the ProductScan tool, you access product-specific information that is centrally stored in the ATLANTA Cloud. The 2D matrix code of a gear rack, for example, is scanned.

This provides you with the following information:

- Article number
- Order number
- Serial number
- Quality
- Module
- Length in mm
- Number of teeth
- Total pitch error of the gear rack

Image description: Ultra High Precision Racks . Developed especially for applications where exact positioning, high repeatability and therefore very high precision is required. Machines such as laser cutting systems or machines for processing aluminum profiles are typical applications for our new UHPR rack.

Source: ATLANTA Antriebssysteme GmbH



TECHNOLOGY LEADER WITH THE HIGHEST STANDARDS

Mapping

This function allows you to determine the optimum assembly sequence of a defined number of scanned racks („mapping”).

This tool can also be used to filter out a number of racks from a pool of racks in order to achieve the smallest possible total pitch error of a section. After all racks have been scanned, the required number of pieces for

the draw frame is determined based on the criterion of the minimum total pitch error and the optimum assembly sequence is specified. The result can be printed out as a PDF document or sent by e-mail. This allows the draw frame to be optimized on site using standard racks.

ProductScan

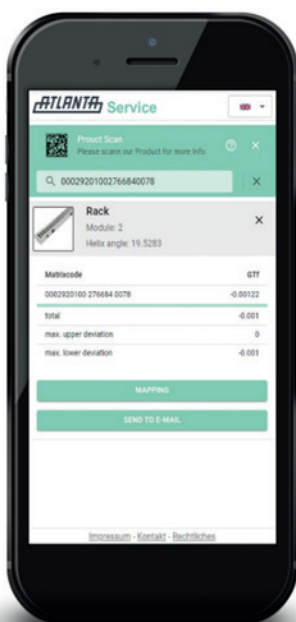


Image description:

The „Mapping” function indicates the optimal assembly sequence of a rack and pinion line.

Source: ATLANTA Antriebssysteme GmbH

Image description:

Image description: Based on the 2D matrix code, specific data of the ATLANTA gear rack are queried.

Source: ATLANTA Antriebssysteme GmbH

Mapping

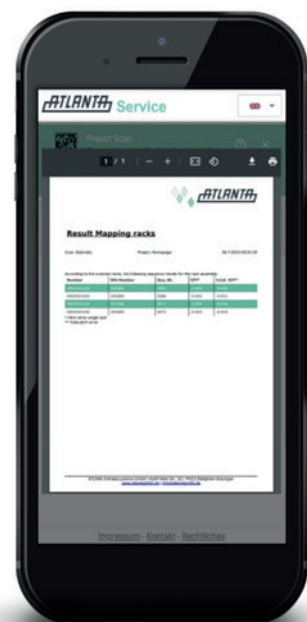


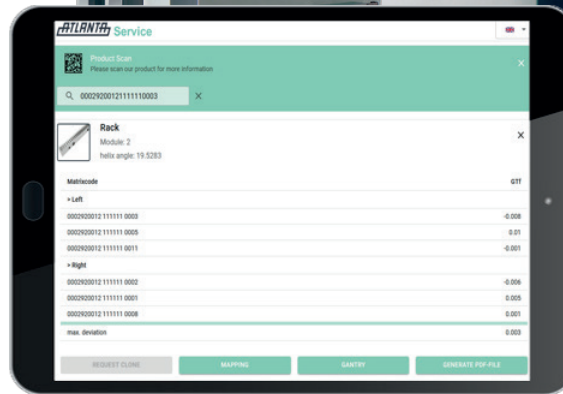
Image description: In a portal milling machine, two drives run parallel to each other.

Source: ATLANTA Antriebssysteme GmbH

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Gantry

Some machine tools are equipped with a gantry drive to move a gantry system. Here, two drives running parallel to each other are operated electromechanically. Here it is very important that both sides run absolutely synchronously and with angular accuracy. In order to achieve the smallest possible total pitch error of both lines here as well, the „Gantry“ function can be used to call up the assembly sequence from the left and right drive sides. The result can also be output as a PDF.



DIGITAL TWIN „REQUEST CLONE“

This function allows you to request an identical replacement („clone“) for the scanned product. Previously, if a rack needed to be replaced in the draw frame, the complete rack row had to be dismantled, the corresponding rack replaced, and the draw frame completely reassembled and aligned. With the clone, the required rack can be replaced 1:1, considering the overall pitch error, without having to dis-

assemble and reassemble the entire draw frame. For this purpose, the rack to be exchanged is recorded with the ATLANTA product scan, the specific data of the rack are packed in an e-mail with the button „Request clone“ and sent to the ATLANTA sales department with the request for a clone - offer.

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