

fluidotronica can help.

F·T fluidotronica

your partner in industrial automation

www.fluidotronica.com | fluidotronica@fluidotronica.com



WHO WE ARE.

QUEM SOMOS.



YOUR PARTNER IN INDUSTRIAL AUTOMATION

Whenever the industry reflects needs for productivity gains, quality improvements, improved working conditions in terms of safety and ergonomics, **Fluidotronica can help.**



SERVICES AND PRODUCTS WITH QUALITY ASSURANCE

Its line of action is based on the selling quality products and systems, supported by technical knowledge and by application of many years of experience.



SOLUTIONS TO YOUR NEEDS

Fluidotronica is determined to support its customers on the selection of the **products that best meet their needs**, on the development of their projects and providing other specific equipment, **always considering quality, price and lead time.**



POLICY

Fluidotronica has instituted an **Integrated Management System (IMS)** based on good management practices that, mainly, result from the implementation of national and international standards for which the company is certified.

From 2015, Fluidotronica obtains the **Certification of the Quality Management System (ISO 9001)**, which is updated to the new ISO 9001: 2015 reference in 2017. Also in 2017 it obtains the **Certification of the Environmental Management System (ISO 14001)**, based on the new ISO 14001: 2015 reference.



MISSION

Sell products, provide services and develop innovative and specific automation and robotics solutions for each of our customers, contributing to improve the efficiency of the industry in general, and of plastics in particular.

VISION

Contribute to a more efficient industry and free the people who work there, so that they can carry out activities that carry them out.

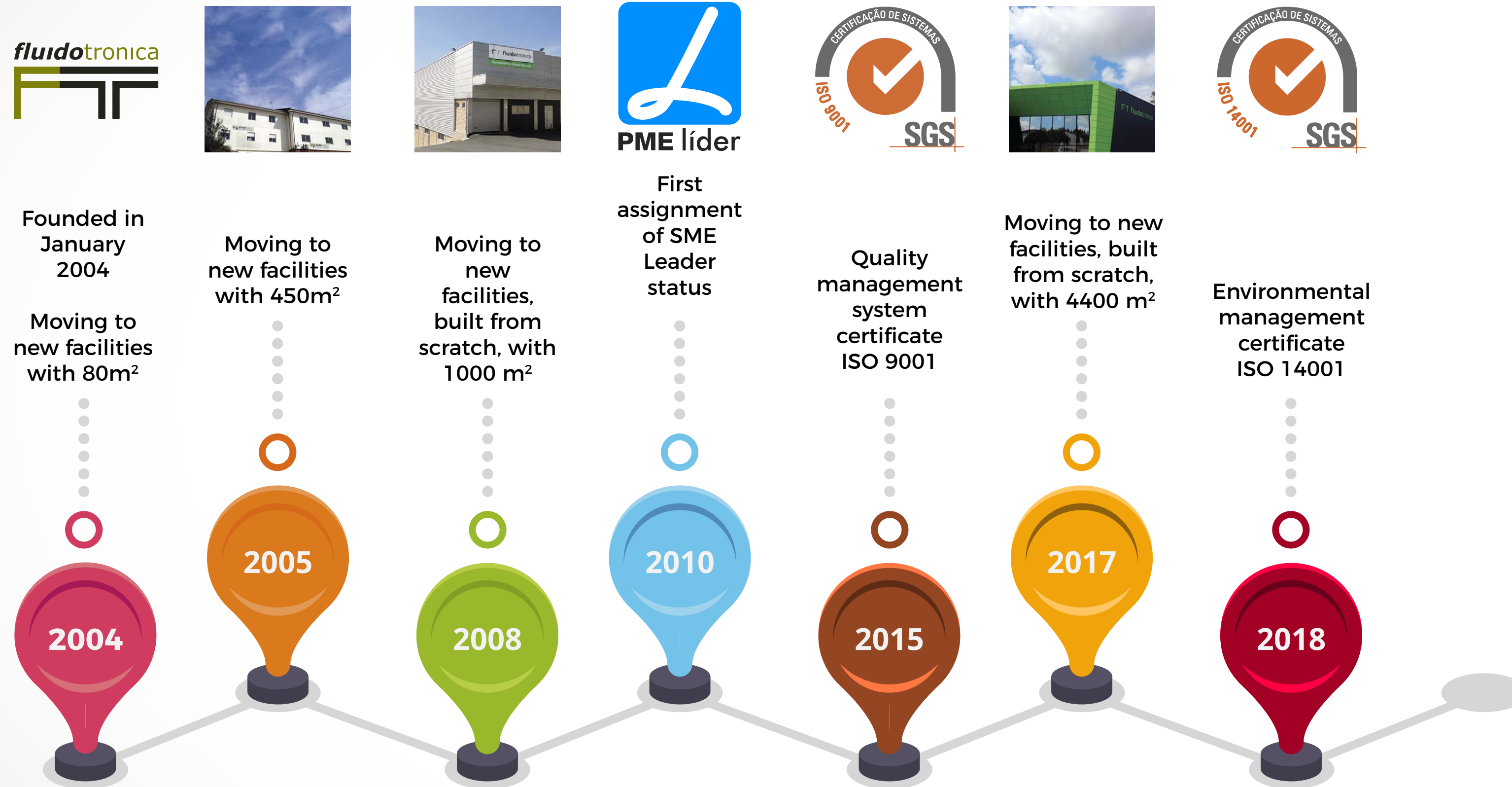
VALUES

Simplicity, flexibility, dedication and availability, in a constant attitude of partnership.

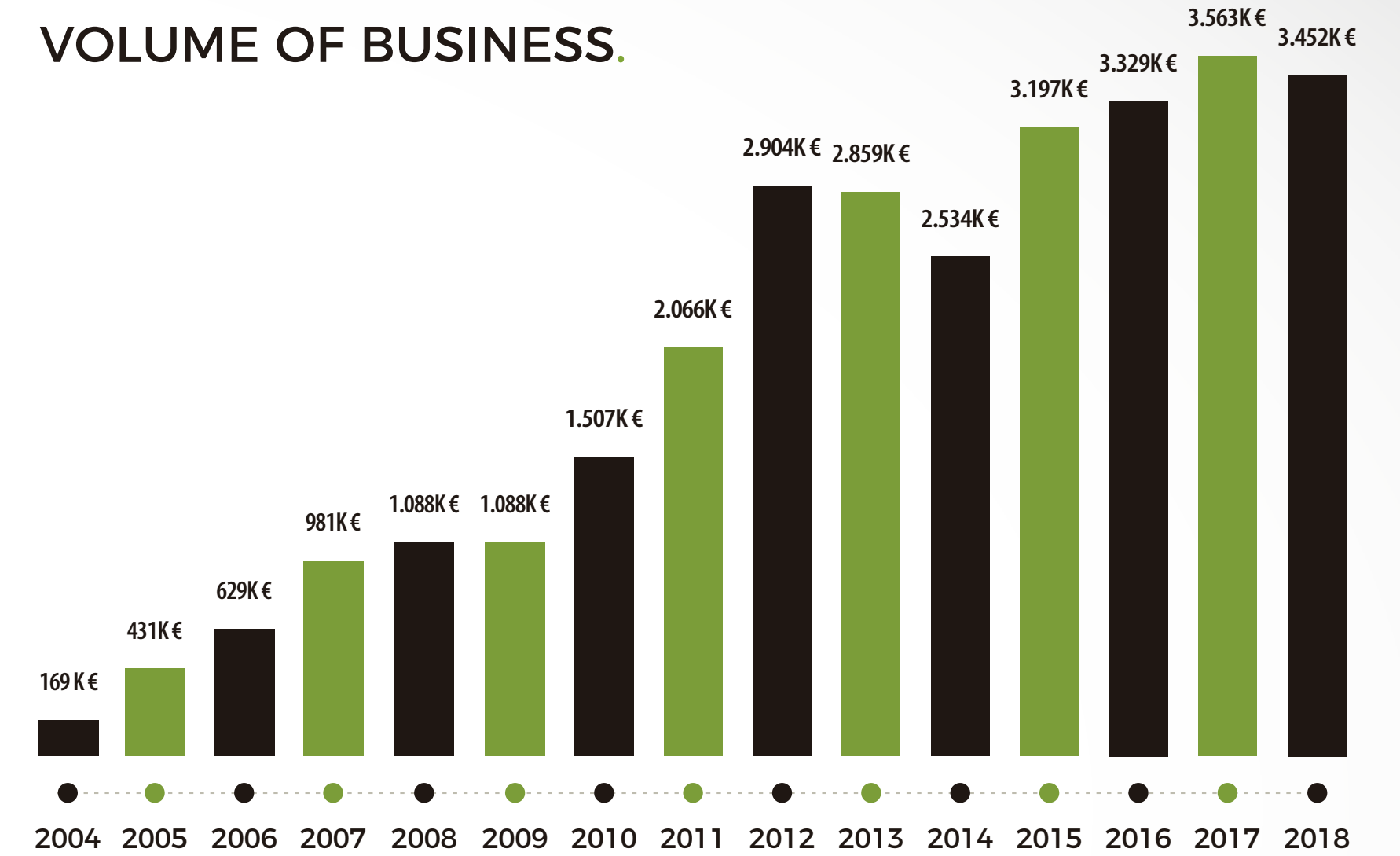


HISTORY.

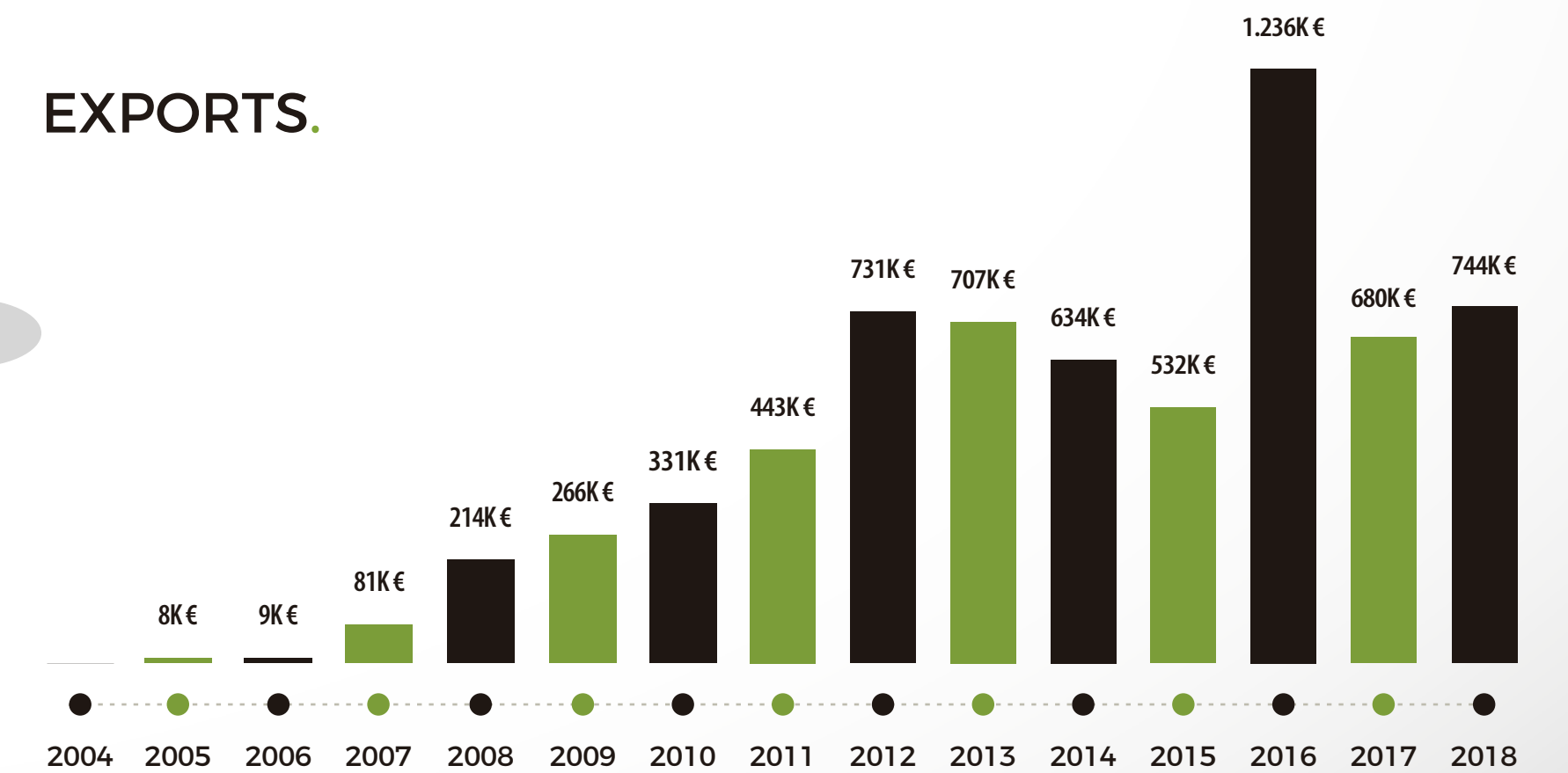
HISTORY.



VOLUME OF BUSINESS.



EXPORTS.

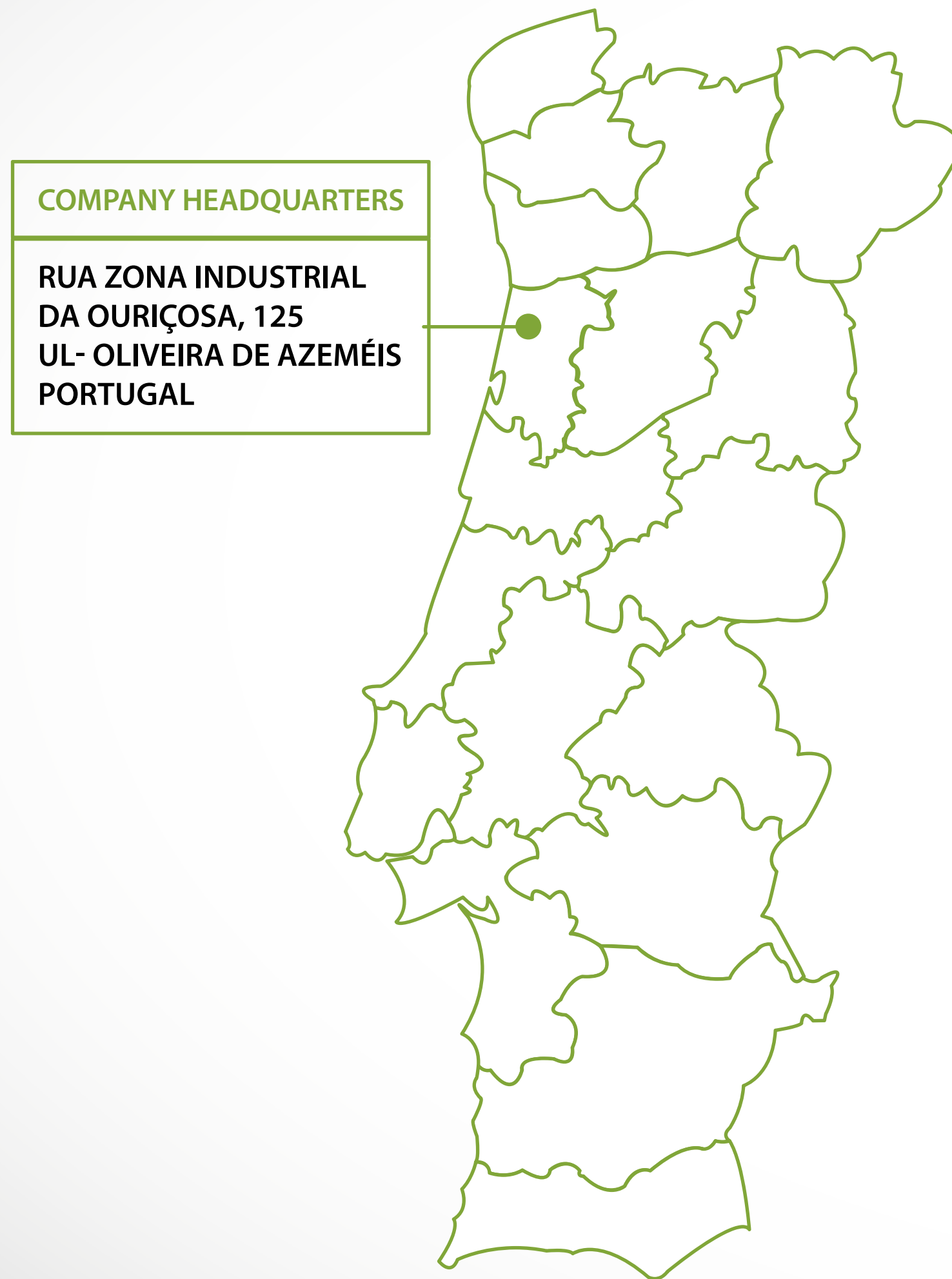




fluidotronica

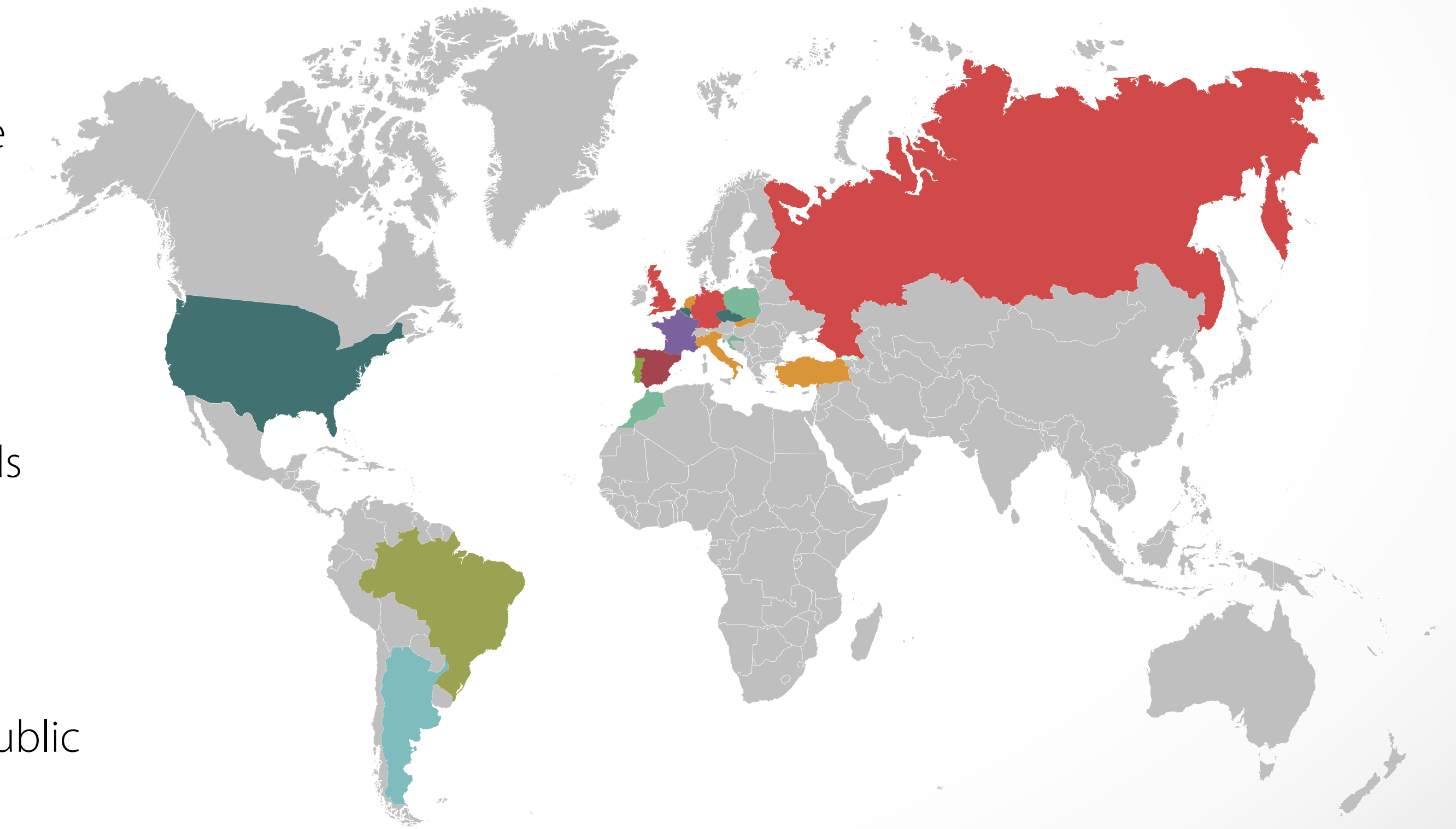
WHERE WE ARE.

WHERE WE ARE.



WHERE WE ALREADY EXPORTED.

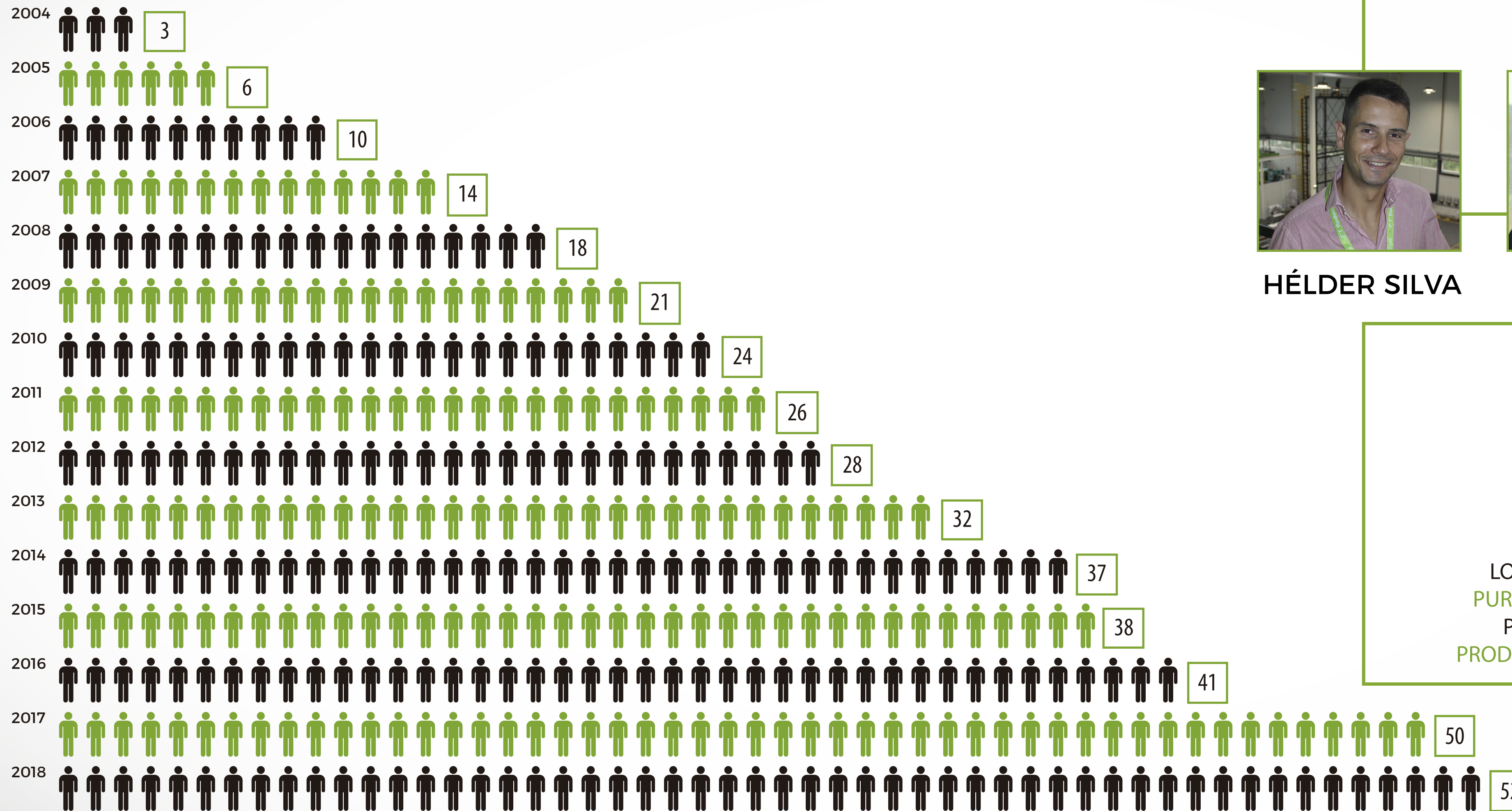
-  Germany
-  Argentina
-  Belgium
-  Brazil
-  Cape Verde
-  Croatia
-  Slovakia
-  Spain
-  USA
-  France
-  Netherlands
-  England
-  Italy
-  Morocco
-  Polska
-  Czech Republic
-  Russia
-  Turkey





OUR TEAM.

OUR TEAM.



OUR ADMINISTRATION



HÉLDER SILVA



MÁRIO SOUSA



LUÍS SILVA

IN FLUIDOTRONICA YOU WILL FIND A
MULTIDISCIPLINARY TEAM
 READY TO GIVE YOU AN ANSWER
 TO EVERYTHING YOU NEED

- | | |
|------------|------------------------------|
| IDI | MARKETING |
| SALES | HUMAN RESOURCES |
| LOGISTICS | MANAGEMENT CONTROL |
| PURCHASES | AUTOMATION AND ROBOTICS |
| PROJECT | ACCOUNTING AND TREASURY |
| PRODUCTION | INTEGRATED MANAGEMENT SYSTEM |



WHAT WE HAVE FOR YOU.

WHAT WE HAVE FOR YOU.

We are the Portuguese representatives of major brands in the area of industrial automation. These brands offer a **wide range of products** ranging from the aluminum profile to the indexing tables, through vacuum cups and linear axes.

In addition to commercializing components for industrial automation of the various brands it represents, Fluidotronica presents the possibility of creating root systems, that is, **turnkey solutions, tailored to the needs of customers.**



PRODUCTS

SERVICES / SOLUTIONS



MiniTec
THE ART OF SIMPLICITY



WEISS



FIPA
challenge accepted



BAHR
Modultechnik



VibroSystems



ROBOTIC
CELLS



STRUCTURES



ASSEMBLY
LINES



MOLD TEST
CENTER



3D PRINTING



HepcoMotion
ADVANCED LINEAR SOLUTIONS



E2
SYSTEMS



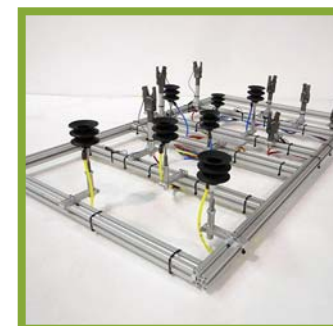
STÖGER
AUTOMATION



omnitrack
omnidirectional movement



KOLVER



GRIPPER
ASSEMBLING



PERIPHERALS
& SYSTEMS



CONVEYORS



ARBURG
TRAINING



SMARTPICKING



F.T fluidotronica

catálogo de produtos

O QUE TEMOS PARA SI



- perfil de alumínio modular
- sistemas lineares
- bancadas de trabalho | linhas de montagem
- transportadores (tela, rolos, correia dentada, etc.)
- protecções de segurança | estruturas
- soluções para veículos, desporto e tecnologia solar



- ventosas e acessórios
- componentes de vácuo
- mãos presas | soluções de manipulação
- equipamento para indústria dos plásticos
- pinças | tesouras pneumáticas | grippers
- perfil de alumínio e acessórios de ligação

- alimentadores vibratórios | centrífugos
- cubas de armazenagem
- sistemas de vibração circular e linear
- sistemas de simulação



AS NOSSAS PARCERIAS

- mesas de indexagem livremente programáveis, com motor linear, electromecânicas, híbridas
- análise de indexagem
- sistemas de manipulação "pick-and-place"
- estações modulares de montagem
- sistemas de maquinaria e posicionamento

- sistemas de posicionamento linear
- unidades lineares accionadas por correia
- unidades lineares accionadas por fuso
- unidades lineares em aço inox
- unidades de elevação/rotação

- guiamentos lineares / guias lineares em V
- componentes movimento linear
- guias lineares miniatura
- sistemas lineares de circulação de esferas
- guias circulares e movimentos contínuos
- actuadores lineares

- aparafusadoras com alimentação automática
- aparafusadoras de funcionamento manual, semi-automático e automático
- unidades de rebite axial
- sistemas de alimentação e controladores
- soluções de sistemas

- aparafusadoras com controlo de torque e ângulo
- unidades de controlo de torque e torque/ângulo
- posicionadores | medidores de séries de torque
- sistemas inteligentes com controlo de erros, lineares, telescópicos



OUR PARTNERS.

OUR PARTNERS.

As our main objective is to provide our customers the possibility of finding a single partner, all the products necessary to obtain their own automation solution, we have in our range of products the most diverse solutions.

MiniTec
THE ART OF SIMPLICITY

ALUMINUM PROFILE

FIPA
challenge accepted

VACUUM &
END-OF-ARM-TOOLING



INDEXING
TABLES

HepcoMotion[®]
ADVANCED LINEAR SOLUTIONS

LINEAR GUIDES

BAHR
Modultechnik

POSITIONING
SYSTEMS


KOLVER

PRECISION ELECTRIC
SCREWDRIVERS


VibroSystems

FEEDING
TECHNOLOGY

 **omnitrack**
omnidirectional movement

BALL TRANSFER
UNITS

E'2
SYSTEMS

DRILLING, TAPPING
AND MILLING

STÖGER
AUTOMATION

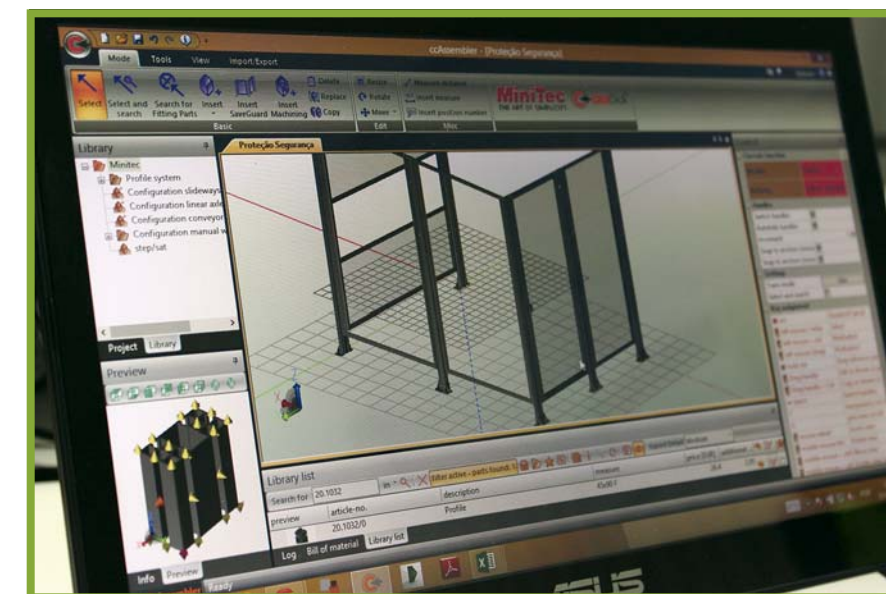
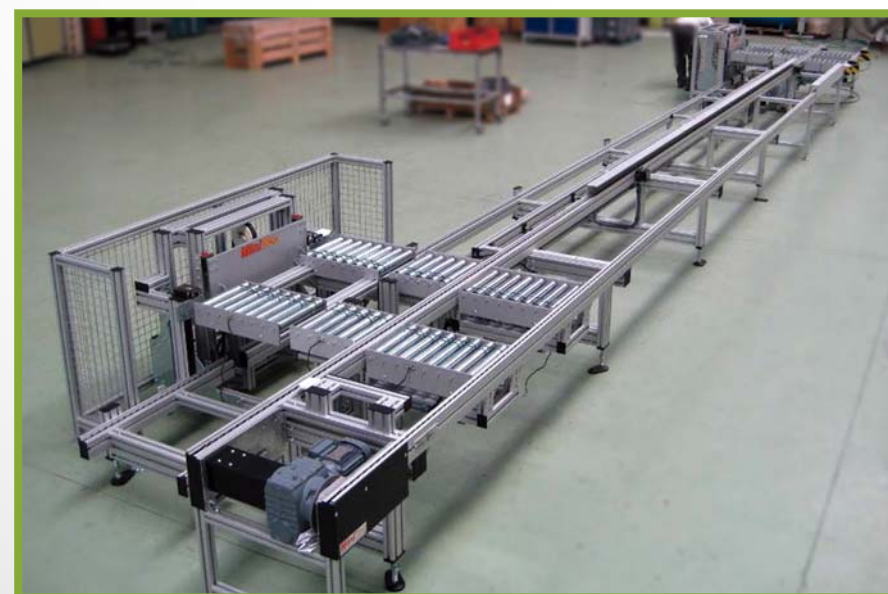
SCREWDRIVING
SYSTEMS WITH
AUTOMATIC FEEDING

MINITEC - ALUMINIUM PROFILE.

- . Profile system
- . Linear system
- . Workplace systems | Assembly lines
- . Conveyor technology (belt, rollers, timing belt, etc.)
- . Protection systems
- . Structures and special solutions

Since its founding in 1986 MiniTec has been continuously growing from a specialist in miniature ball bearings to becoming a leading technology company. Based on our construction system we implement sophisticated solutions for a variety of tasks in all industrial sectors. Among its clients are important industrial companies worldwide.

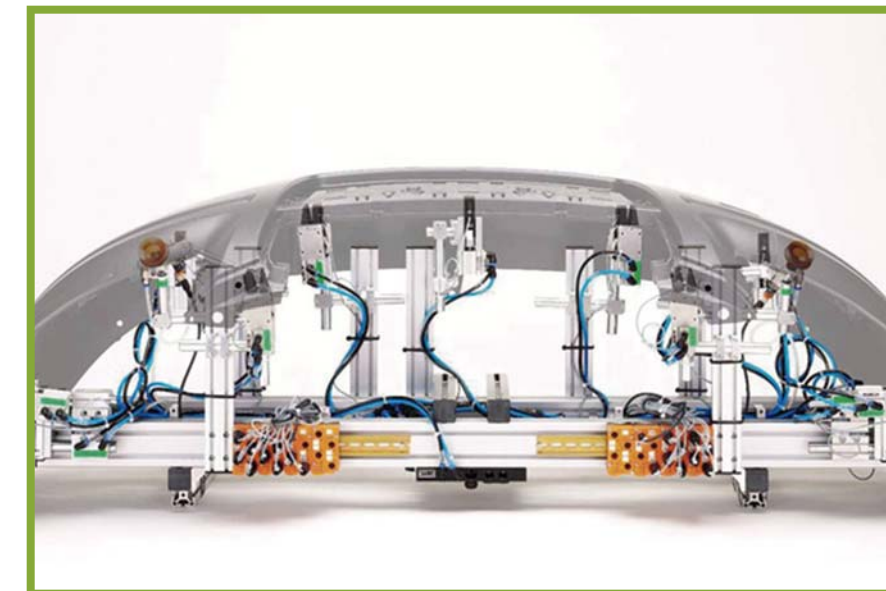
MiniTec
THE ART OF SIMPLICITY



FIPA - VACUUM TECHNOLOGY, END-OF-ARM-TOOLING AND LIFTING DEVICES.

- . Vacuum cups and accessories
- . Vacuum components
- . End-of-Arm-Tooling
- . Handling systems
- . Vacuum grippers | Grippers | Air nippers
- . FIPALift - lifting devices

Founded in 1985, FIPA is a leading innovator in vacuum technology and EOAT (End of Arm Tooling) solutions. FIPA specializes in the development and commercialization of products that excel in quality and innovation in the area of materials flow and solutions in pick & place systems. FIPA is a guarantee of technology, innovation and quality.



WEISS - INDEXING TABLES.

- . Freely programmable indexers
- . Fixed-station indexers
- . Linear system
- . Handling systems
- . Customer-specific solutions
- . Clean room range - WEISS Cleanline

Weiss is an innovative and dynamic company with a history of success on the production of indexing/assembly systems, in various industry sectors. One of the most important features of the company is the desire to constantly innovate, always ensuring constant development of new products and continuous improvements in the standard range.

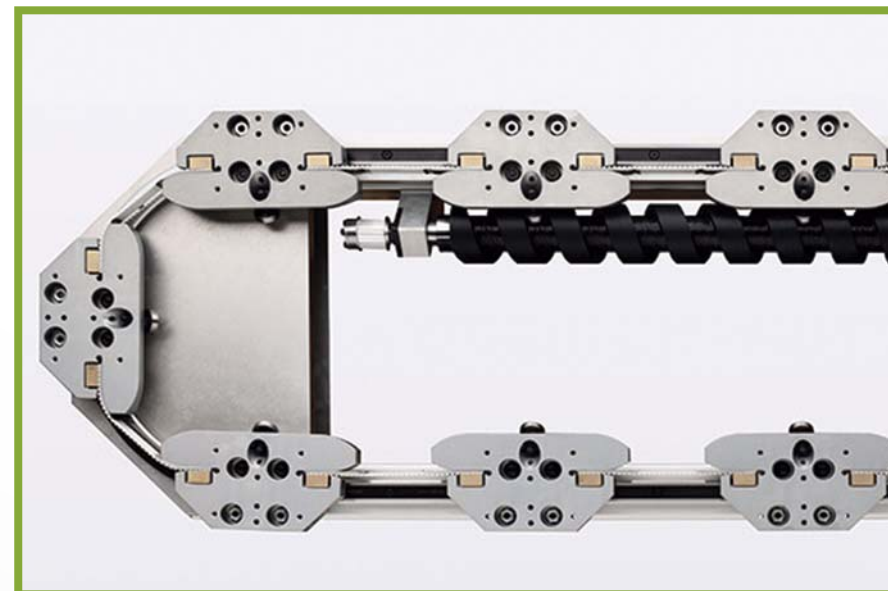
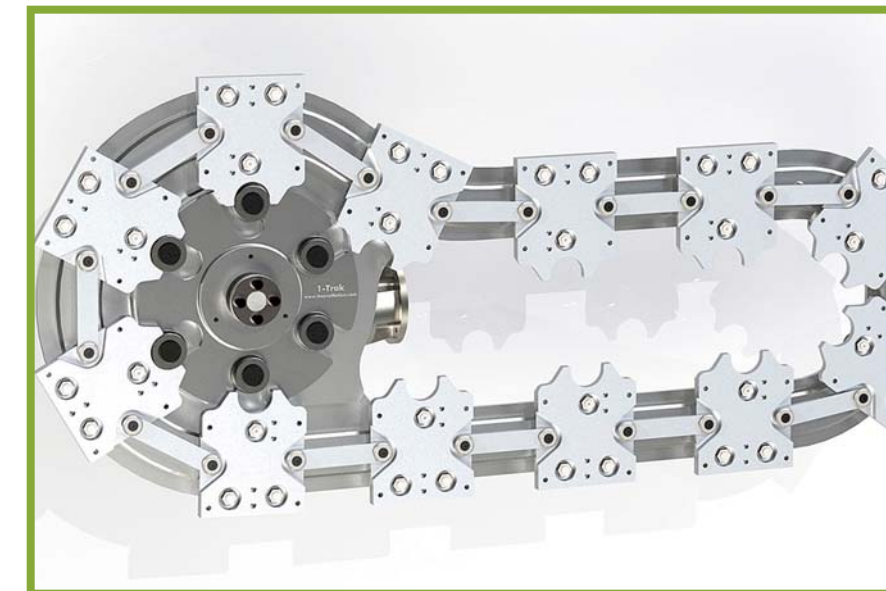


HEPCOMOTION - LINEAR MOTION COMPONENTS AND LINEAR GUIDES.

- . Linear guides
- . Linear motion components
- . Ring Guides, Track Systems and Segments
- . Linear Actuator Systems
- . Linear ball circulation systems
- . Linear V guides / Miniature linear guides

HepcoMotion is a worldwide manufacturer of linear motion systems and automation components. This brand has been leading the development of the V Guide technology since 1969 and continues to develop innovative linear products that offer new solutions that meet the needs of the market.

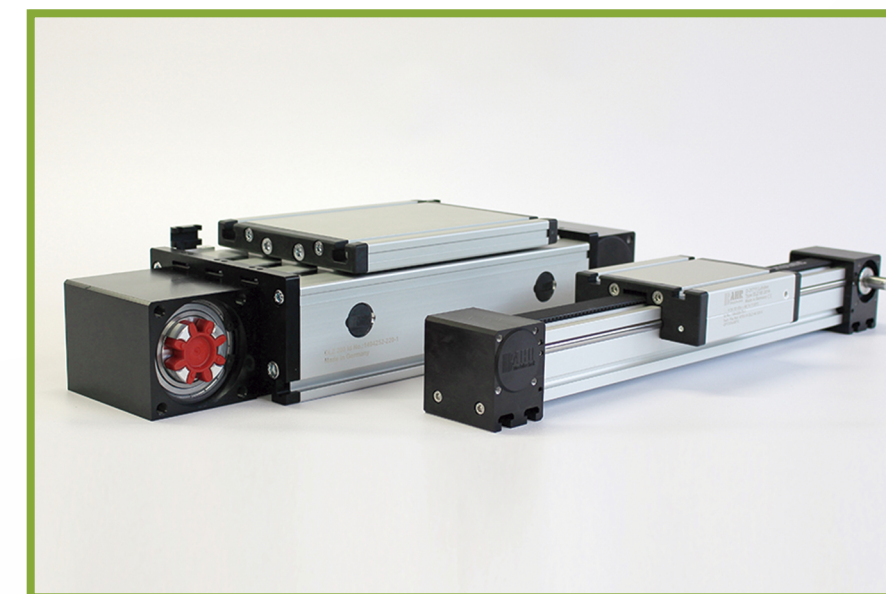
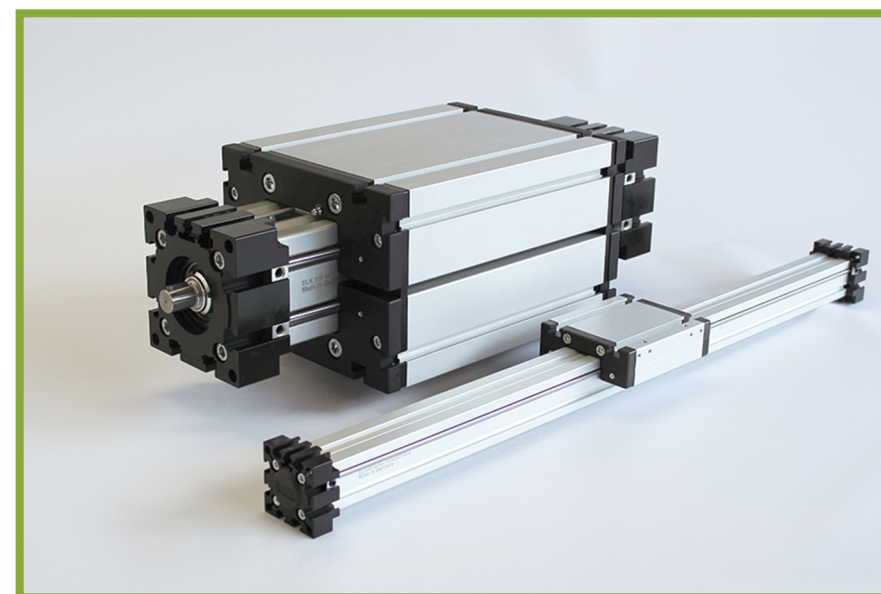
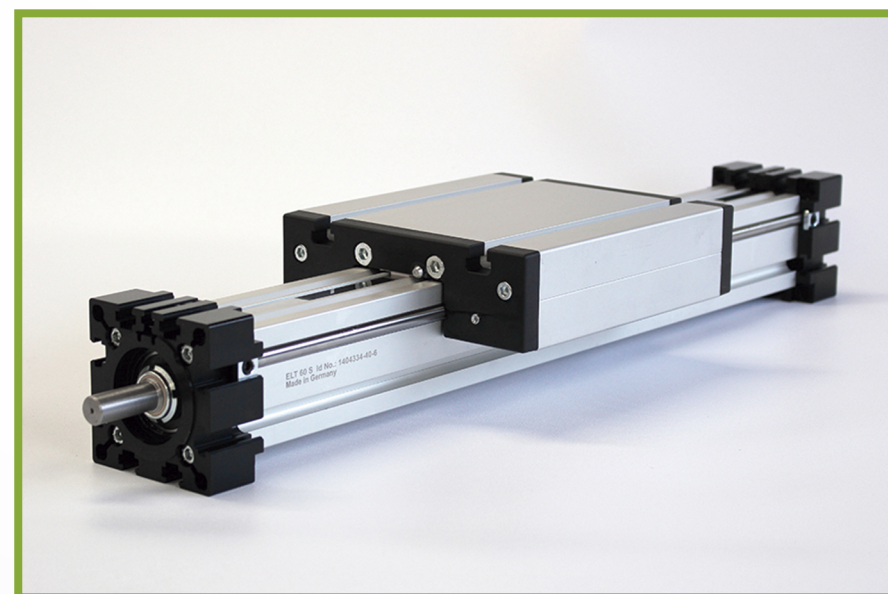
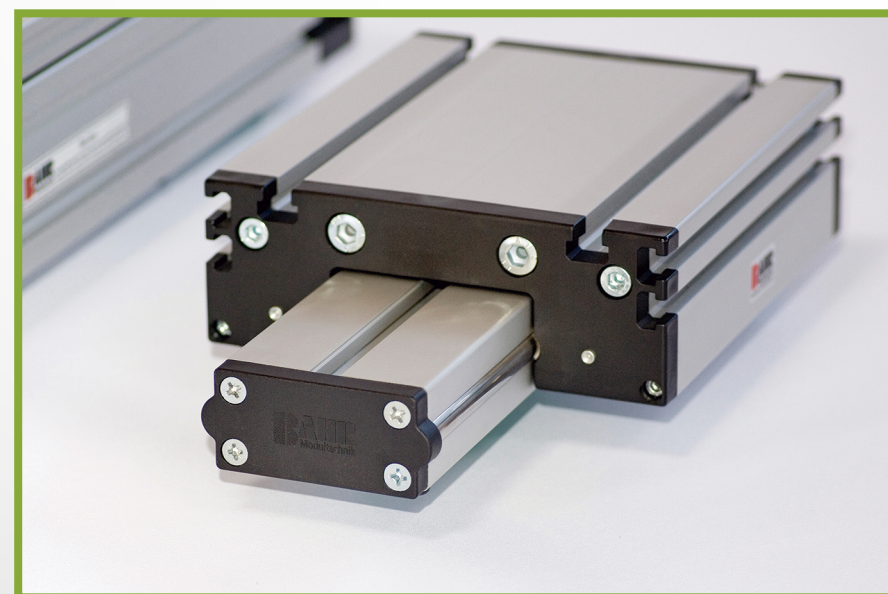
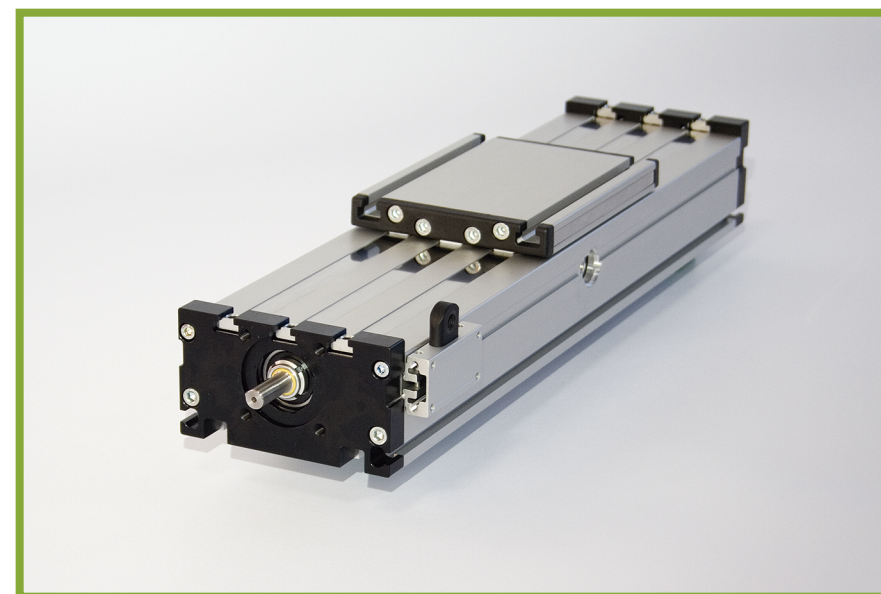
HepcoMotion®
ADVANCED LINEAR SOLUTIONS



BAHR - POSITIONING SYSTEMS.

- . Linear positioning systems
- . Toothed belt drive linear units
- . Rack and pinion drive linear units
- . Without drive linear units
- . Stainless steel linear units
- . Lifting / rotating units

Bahr has been a globally leading manufacturer of modular positioning systems for 25 years. Its sophisticated and practice-oriented linear technology is sold in more than 20 countries. Accurate and robust positioning systems are required in the most different industries from mechanical engineering up to medical technology.



KOLVER - PRECISION ELECTRIC SCREWDRIVERS.

- . Angular screwdrivers
- . Controllers
- . Screwdrivers for torque and angle
- . Torque testers
- . Automatic screw suppliers
- . Reaction arms and positioning systems

Founded in 1989, KOLVER is currently one of the major players in the European market of electric screwdrivers for industry. This Italian company produces thousands of screwdrivers annually for more than 30 countries. An unquestionable success achieved with a corporate philosophy focused on innovation.



VIBROSYSTEMS - FEEDING TECHNOLOGY.

- . Vibratory | centrifugal feeders
- . Conveyor buckets
- . Circular vibration units
- . Linear vibration units
- . Part bins
- . Control units & Accessories

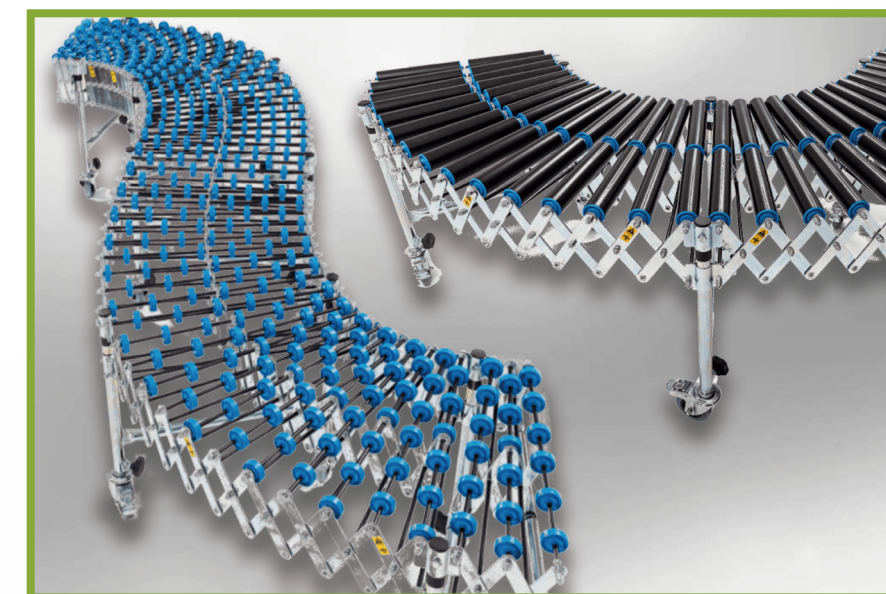
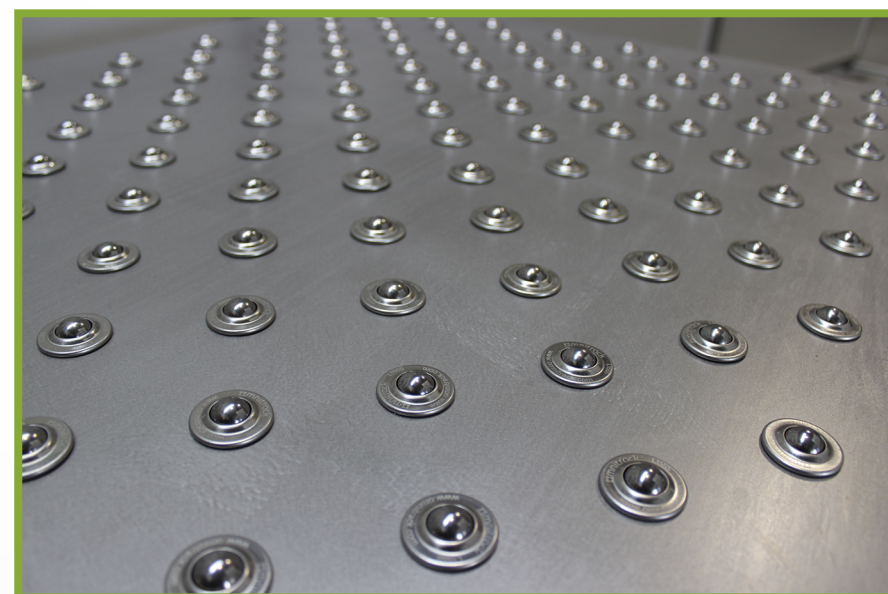
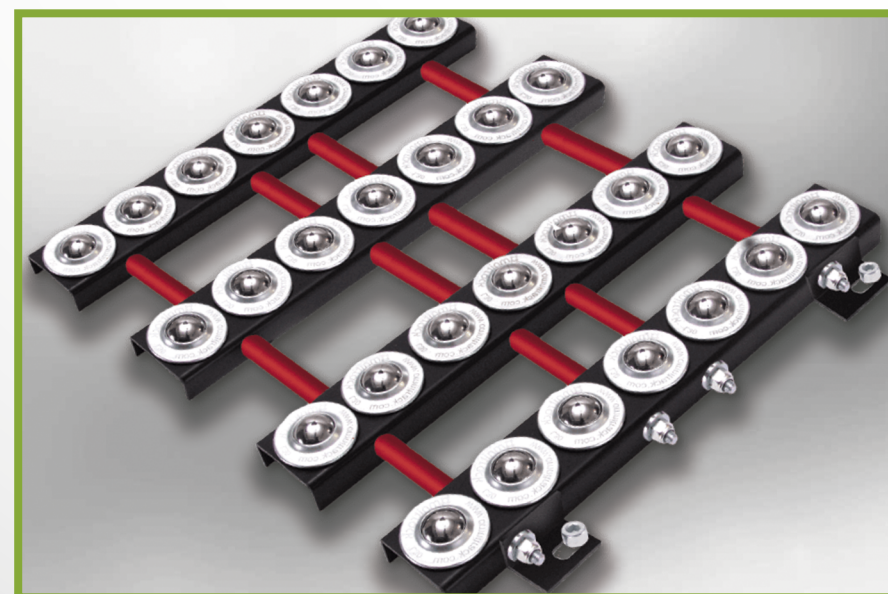
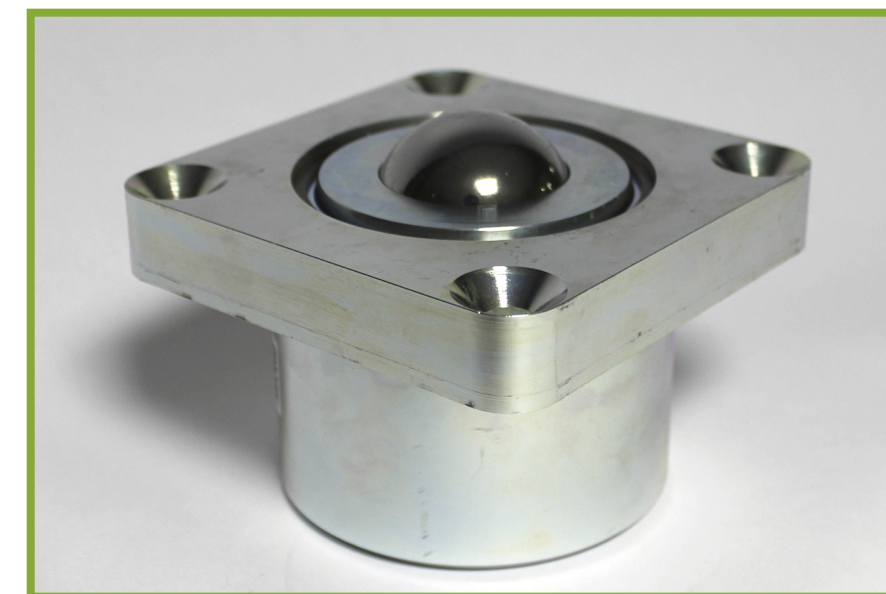
VibroSystems produces feeding and automation solutions tailored to a wide variety of applications and industries with years of experience in different types of projects. From concept to manufacturing, it involves its customers to ensure that the end result meets their specific needs. This range is an assurance of quality and durability.



OMNITRACK - OMNIDIRECTIONAL TRANSFER BALLS.

- . Heavy, medium & light duty ball transfer units
- . T Bars & B Bars
- . Omnicaster, Omnifloat & Omniwheels
- . Ball Transfer Rails
- . Omnitrack Flexible Conveyors
- . Ball Transfer Skates

Omnitrack is a manufacturer of large capacity omnidirectional transfer balls. Since its founding in 1909, it has built its reputation for devising engineered solutions to solve complex handling issues facing all industries. Nowadays, most applications are still being manufactured and solved, where multidirectional transfer is required.

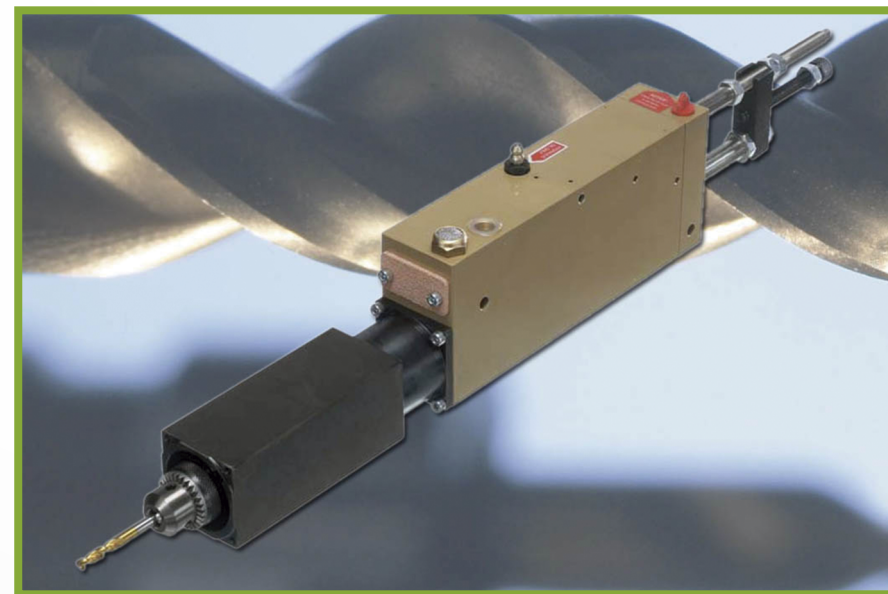
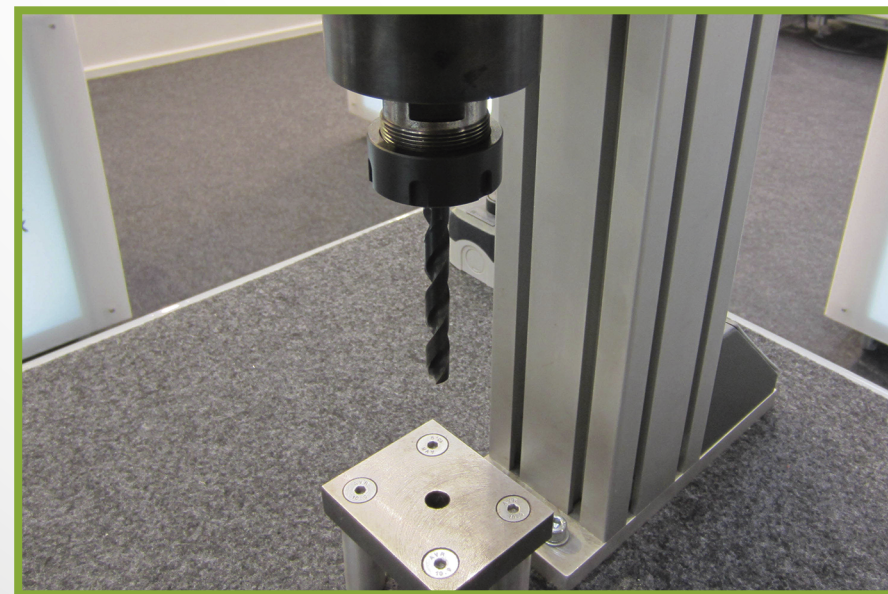
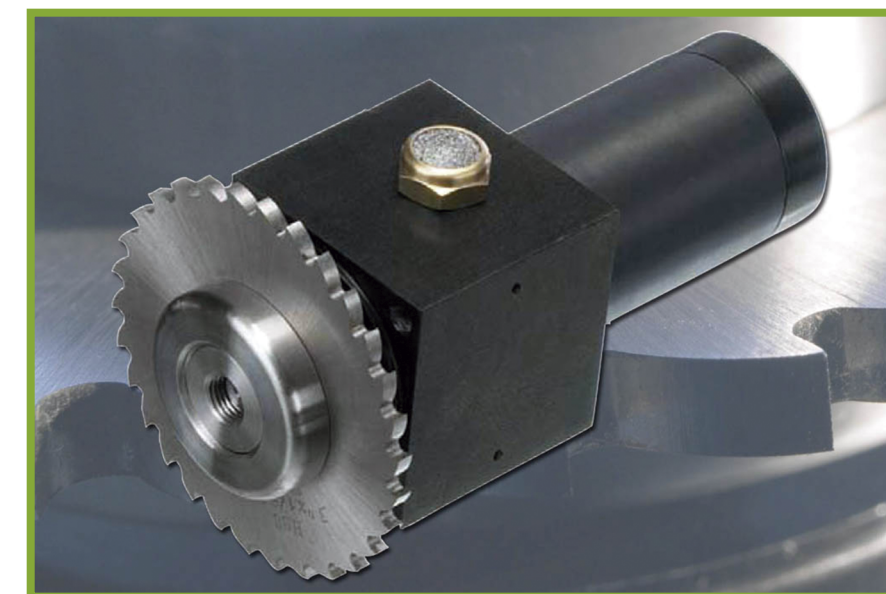
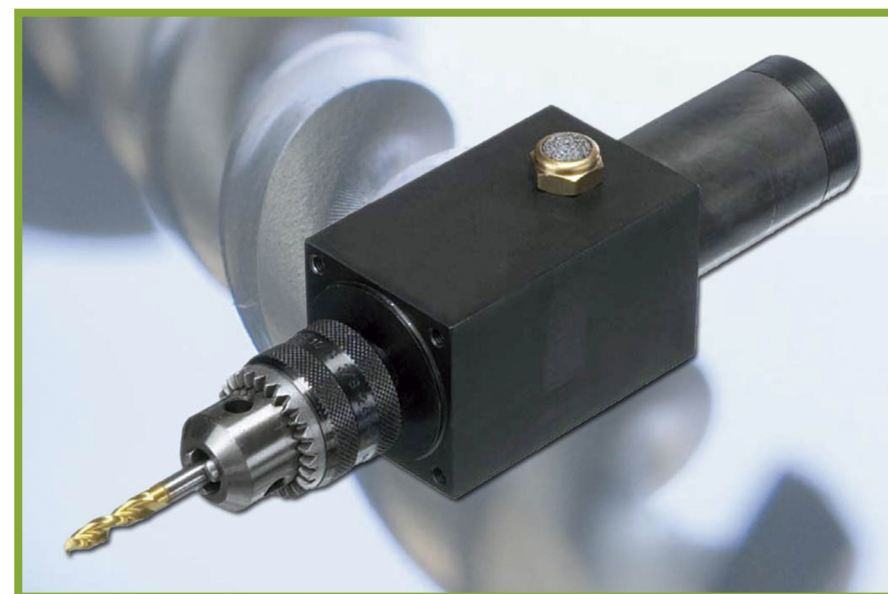


E2 SYSTEMS - DRILLING, TAPPING AND MILLING.

- . Pneumatic drilling units with feed
- . Electro pneumatic / Hydraulic drill units with feed
- . Air turbines, airmotors & drilling spindel
- . Tapping units
- . Milling units
- . Multi-spindle heads, Controls & Components

E2 Systems specializes in the design and production of drilling, tapping and milling and pneumatic / hydraulic units for the industrial automation area, according to customer specification. The products have a compact design and therefore offer high performance and optimization of the use of space.

E2
SYSTEMS

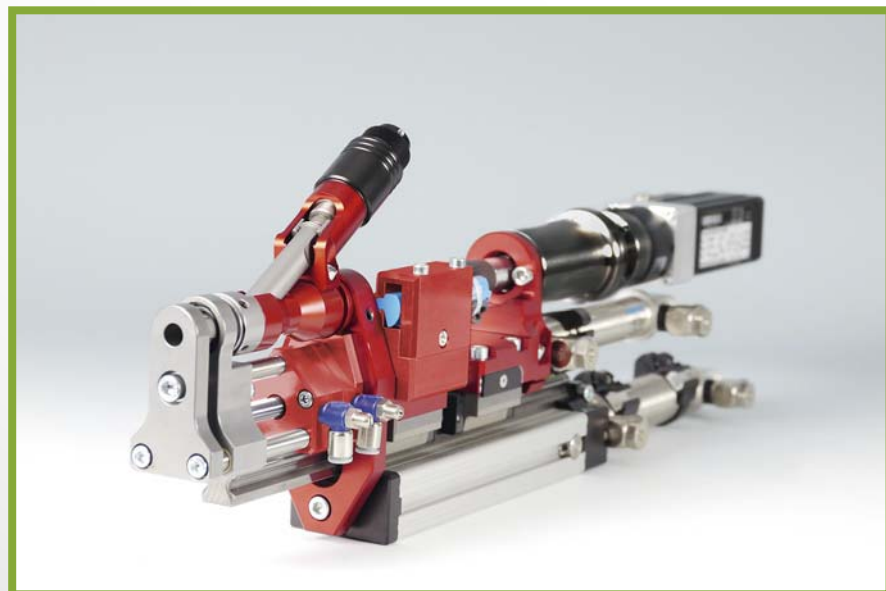


STÖGER - SCREWDRIVING & FASTENING SYSTEMS

- . Hand-held screwdrivers
- . Automatic screwdrivers
- . Setting & riveting
- . System solutions
- . Feed units
- . Control units e accessories

The exacting demands of industrial mass production to meet, is a challenge that the STÖGER for nearly 25 years around bolting turns out successful. Consisting of a dedicated and motivated team, STÖGER develops and manufactures bolting and delivery systems for manual, semi-automatic and fully automatic operation.

STÖGER
AUTOMATION



fluidotronica

MADE IN PORTUGAL

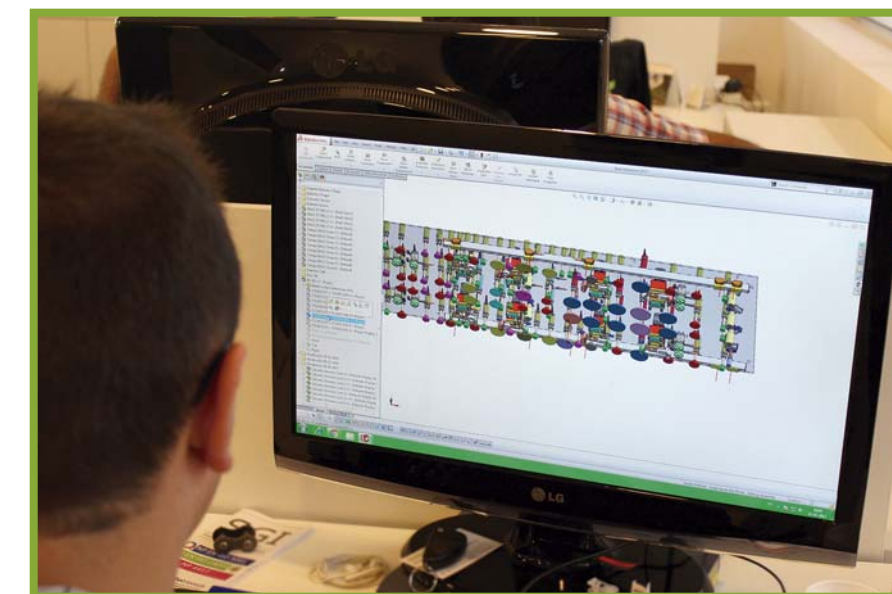
OUR SERVICES.

OUR SERVICES.

We are not just brand representatives or product sellers. Over time, **we have been developing valences that allow us to meet the needs of our customers**, always providing them with the "turn key" solution that best suits their interests. To achieve this, Fluidotronica has the following services at your disposal:

- 1. Process study**
 - Methods and times
 - Layouts
 - Ergonomics and quality
- 2. Electrical & Mechanical Project**
 - Various software (Solid Works, Inventor & AutoCAD)
 - Maintenance instructions and manuals
 - Risk analysis
 - Electrical, pneumatic and hydraulic diagrams
- 3. Machining and Mounting**
 - Lathe
 - Milling machines
 - Welding
 - Construction / mechanical and electrical assembly
- 4. Final solution tested and ready to use**
 - Fluidotronica solutions are completely tested and ready to use.

"TURN KEY"
SOLUTIONS



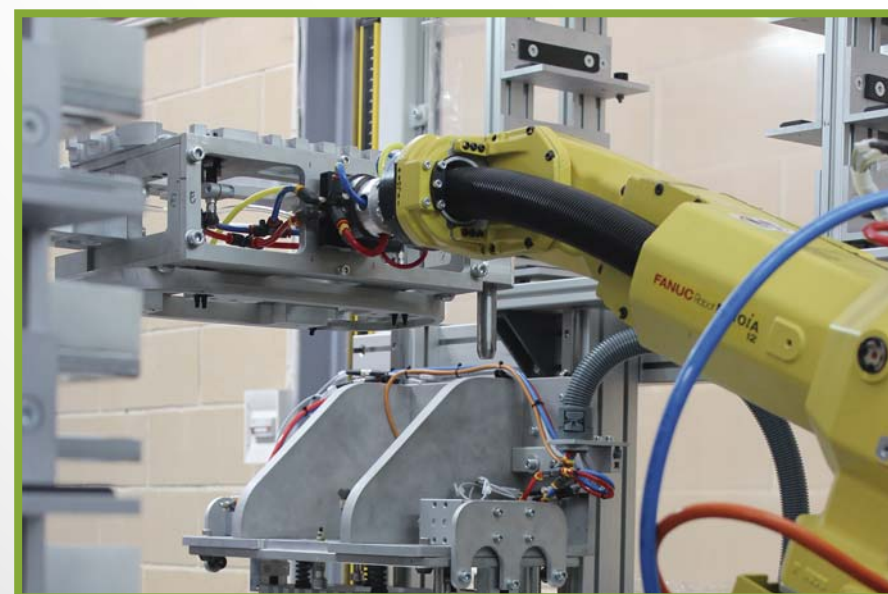
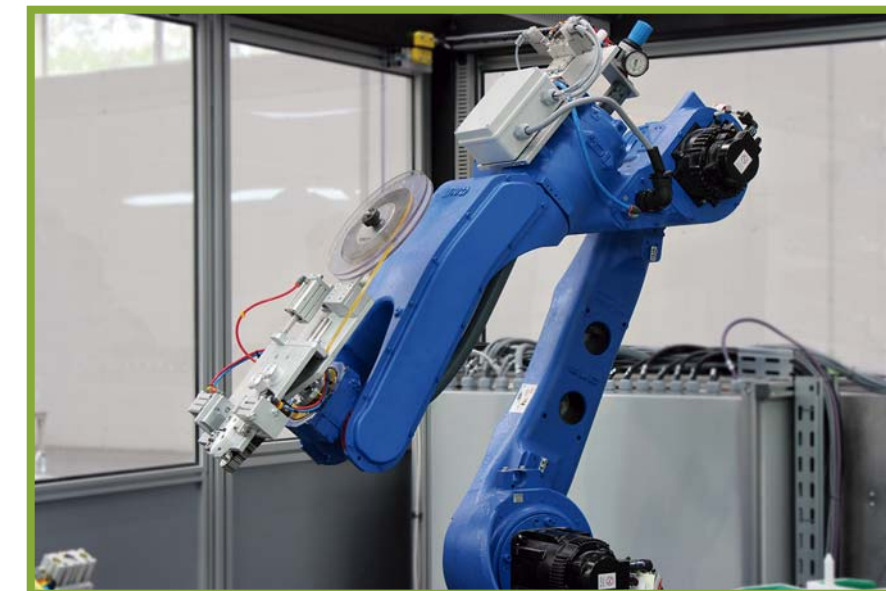
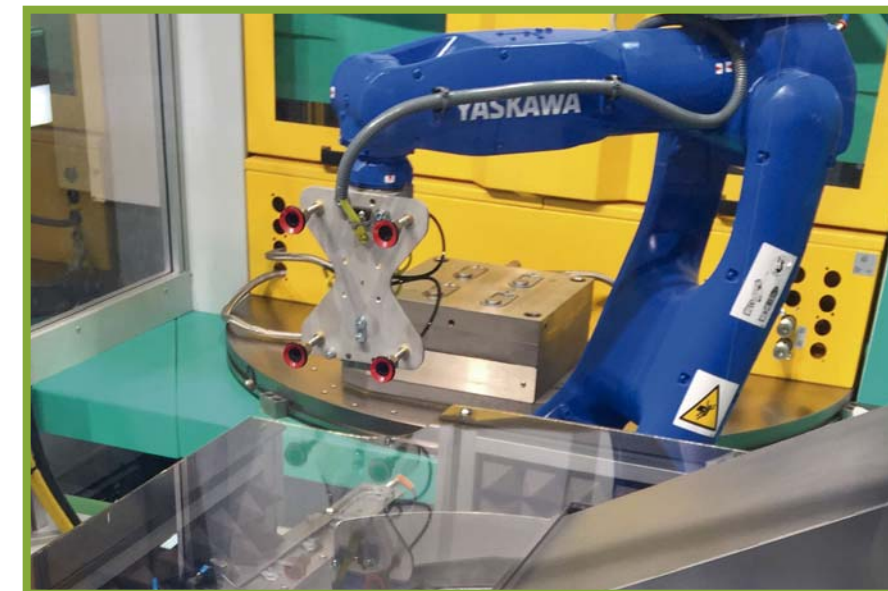
ROBOTIC CELLS.

- . Palletizing
- . Welding
- . Manipulation
- . Assembly
- . Paint
- . Insertion

- . Detection
- . Machining
- . Packing

One of the great solutions used in industrial automation processes is industrial robots, used to perform the most varied tasks. With Fluidotronica's robotic cells you can combine productivity optimization with a high level of efficiency, without forgetting the reduction of costs.

ROBOTIC
CELLS



STRUCTURES.

- . Supply tables and Cabinets
- . Security guards
- . Work / assembly / inspection workstations
- . Trolleys / Carts
- . CNC Systems / XYZ Positioning Systems
- . Exhibitors / Signs / Information panels

The market changes every minute and it becomes necessary to have a work environment with enough flexibility to be prepared for these changes. You can count on modularity of the Minitec profile system in the construction of the most diverse types of structures, which are easily adapted to your work place.

STRUCTURES

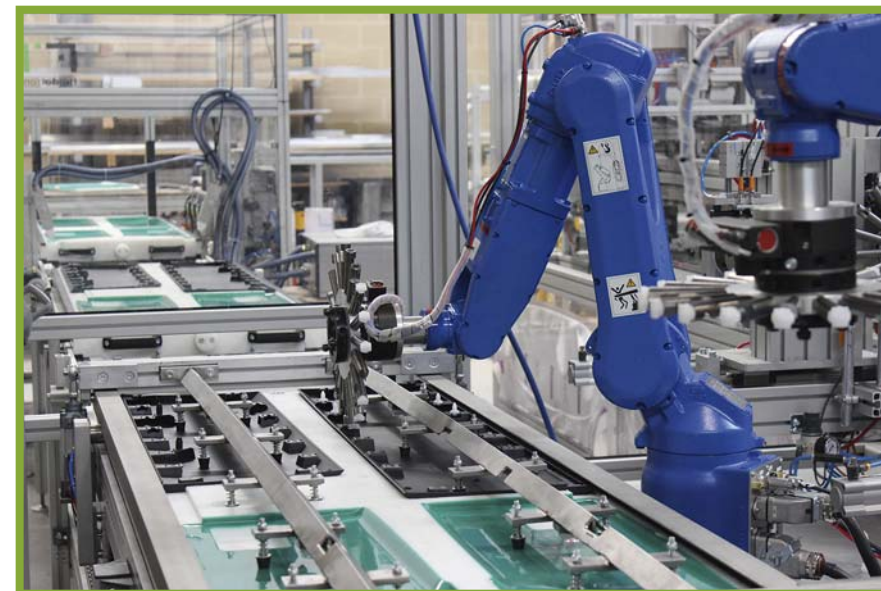
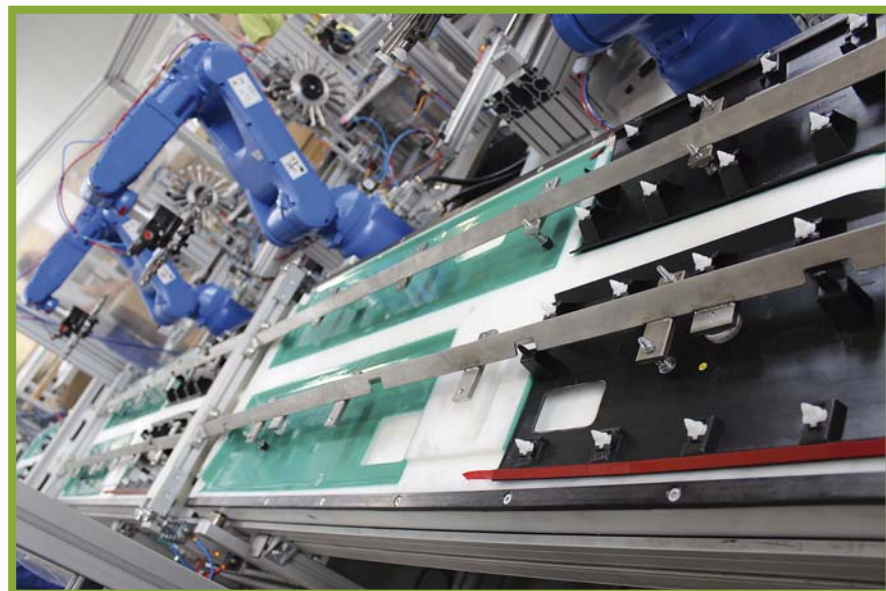


ASSEMBLY LINES.

- . Assembly
- . Feeding
- . Handling
- . Others

Fluidotronica assembly lines are designed to be highly efficient, very cost effective and guarantee the best quality in the most relevant aspects: components, mechanical movement, precision equipment and standardized processes. These lines allow you to obtain short cycle times; increase the efficiency of the serial production process and reduce costs.

ASSEMBLY
LINES

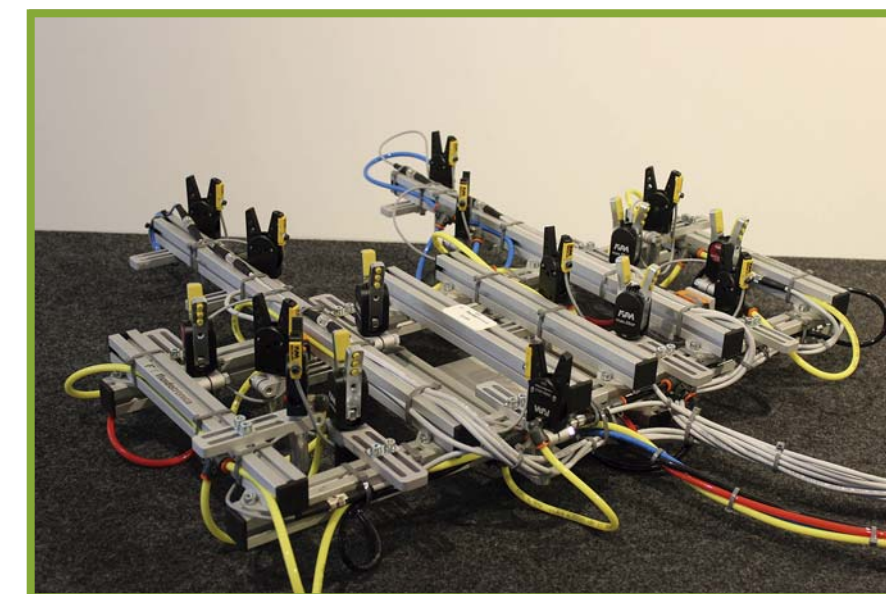
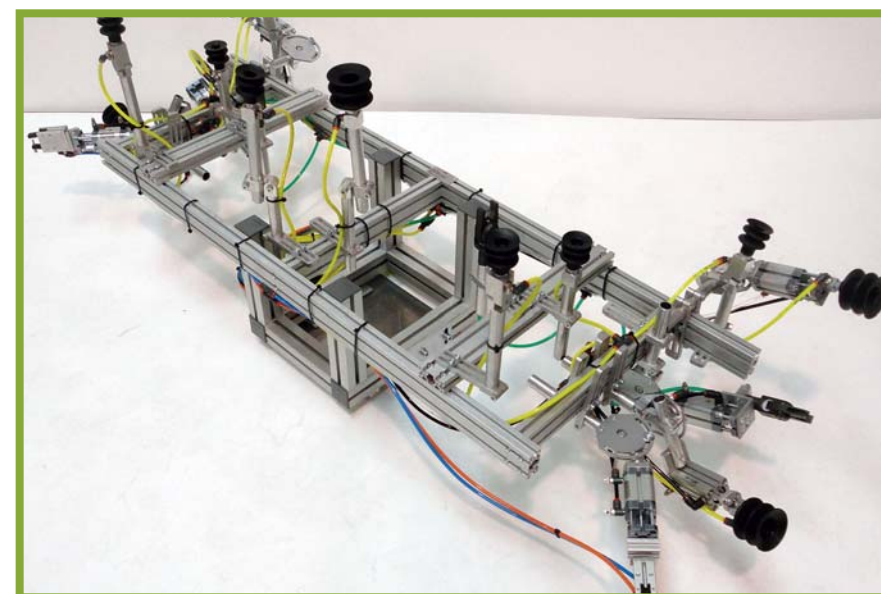
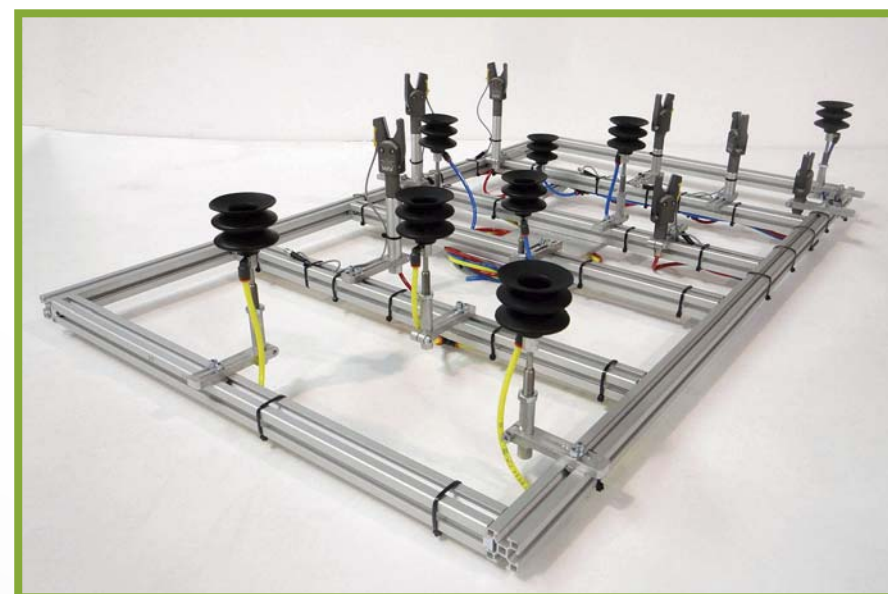
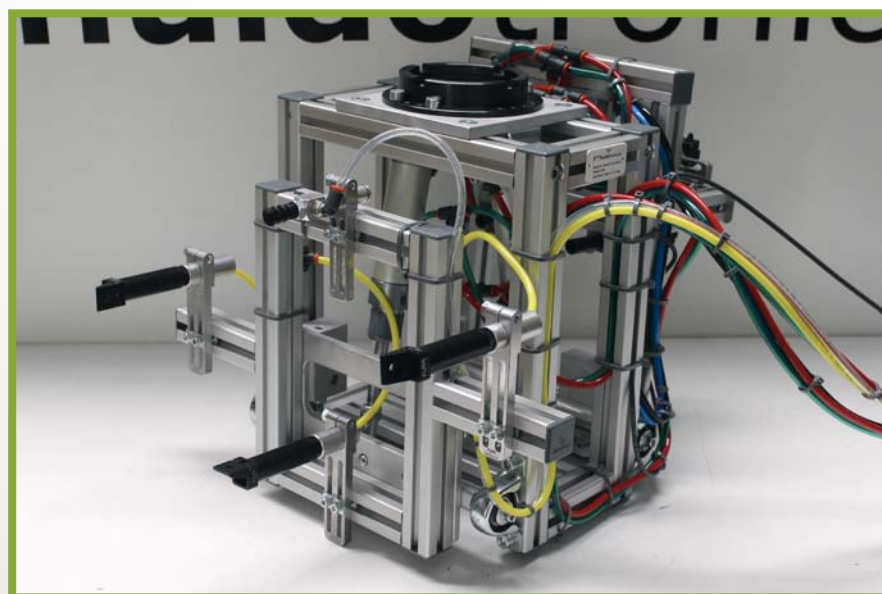
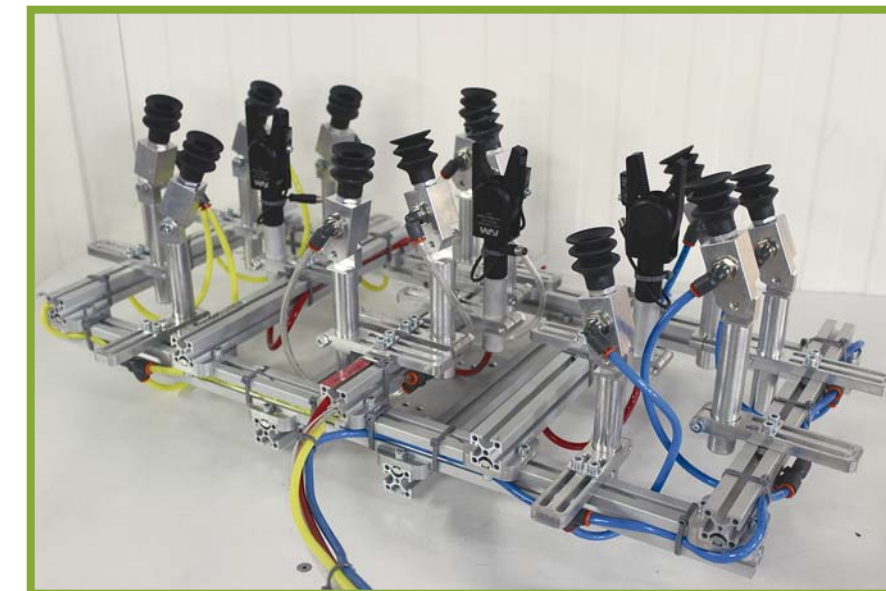
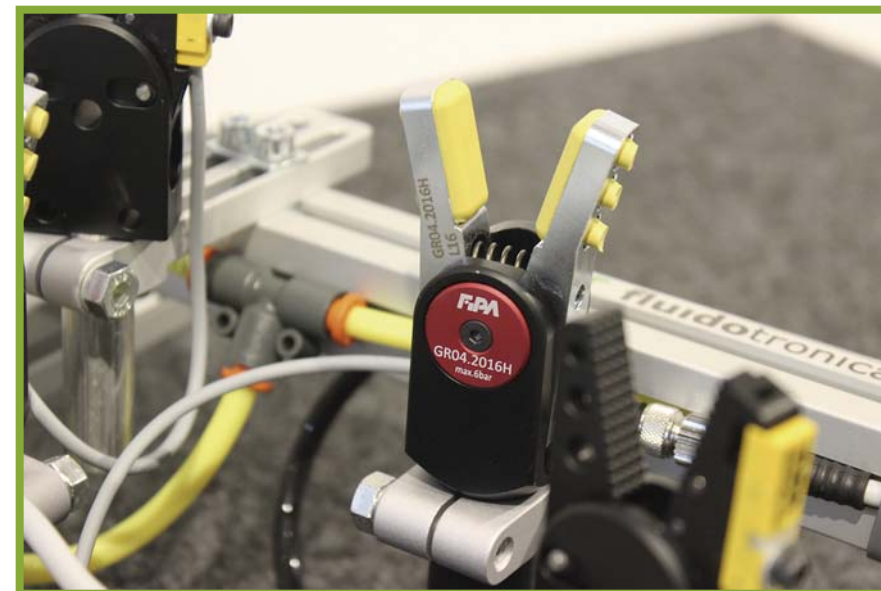
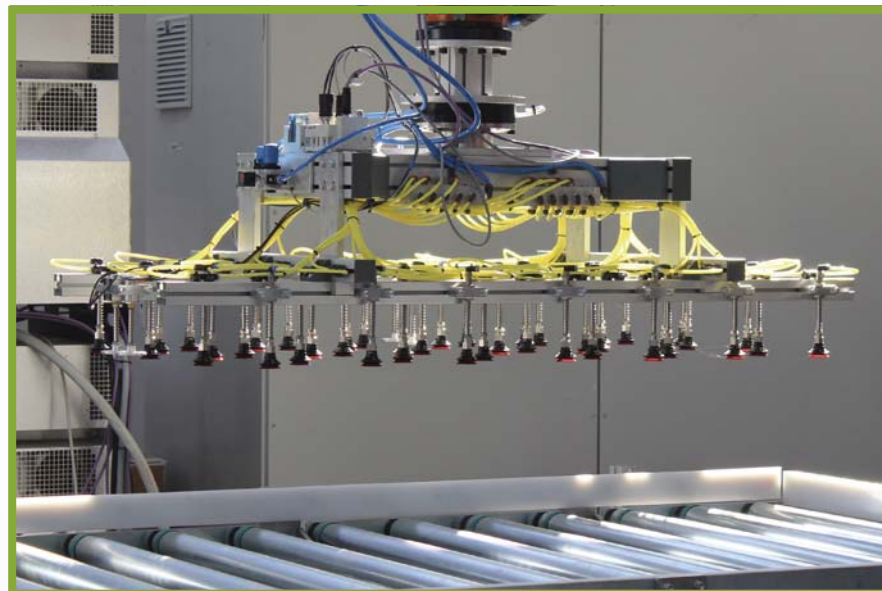


GRIPPER ASSEMBLING.

- . Palletizing / Depalletizing
- . Handling of parts and jig
- . Handling of pallets and heavy loads
- . Handling of precision components
- . Automatic tool change systems
- . Cut of sprues

The advantage of developing your EOAT (End-Of-Arm-Tooling) with Fluidotronica is that you can find everything in one place: planning, design, construction, installation, follow up at start-up and after-sales service. Fluidotronica EOAT are designed and built for your specific application for greater speed and accuracy.

GRIPPER
ASSEMBLING

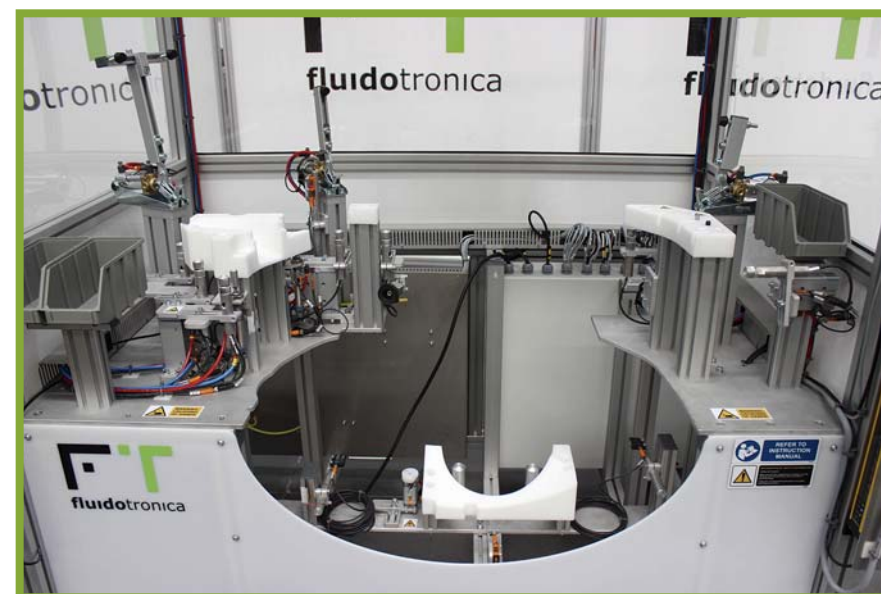
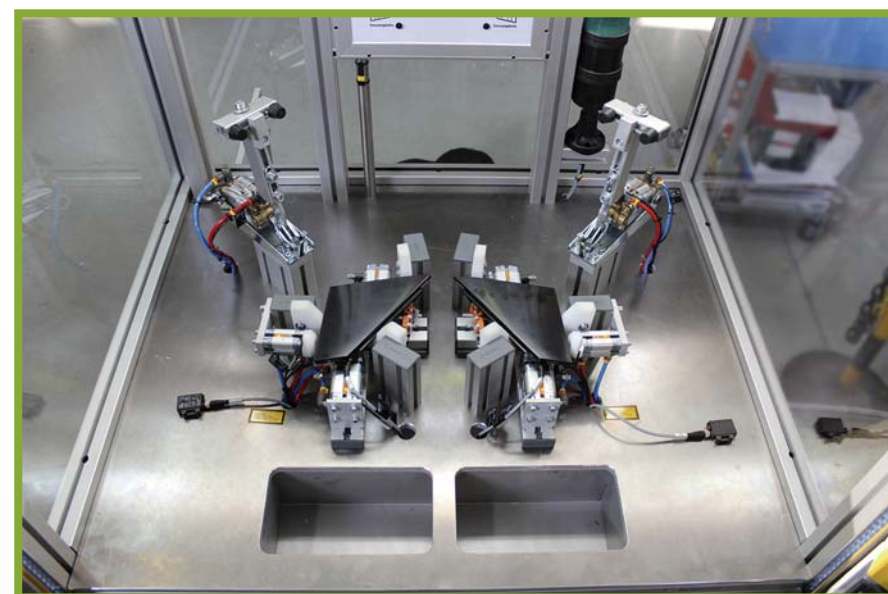
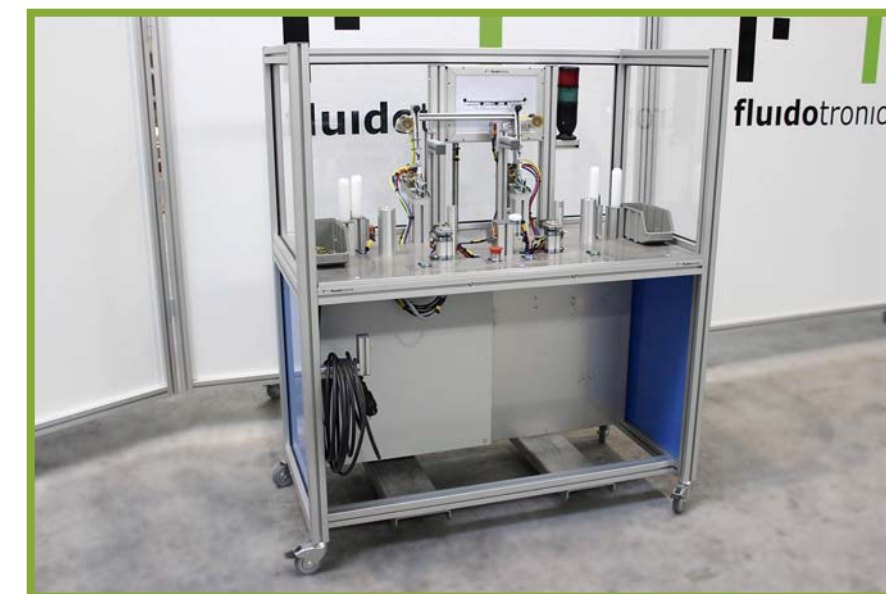
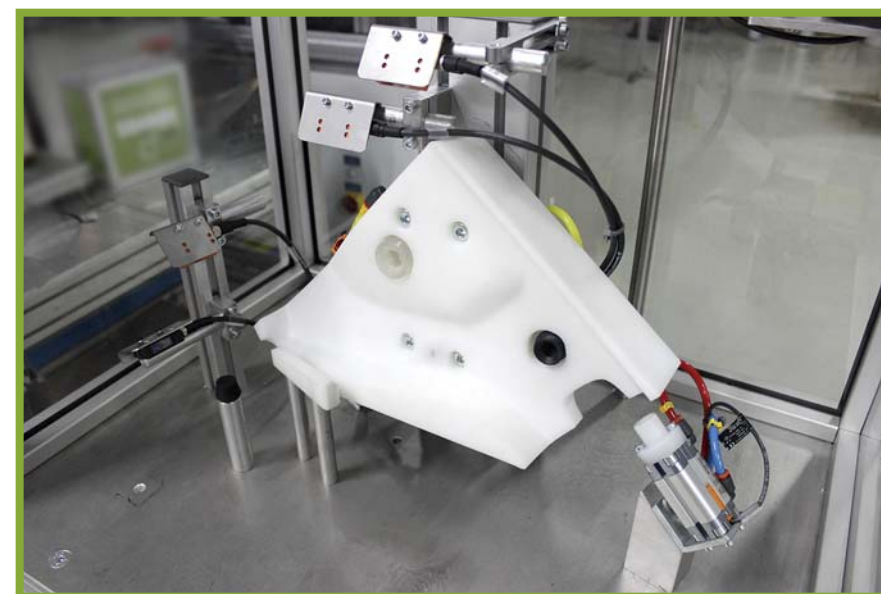


PERIPHERALS & SYSTEMS.

- . Component insertion equipment
- . Component mounting and detection peripherals
- . Cutter systems / testing systems
- . Automatic Feeding Systems
- . Positioning bases / systems
- . Pre-assembly peripherals

Automation of industrial production processes has brought numerous advantages over the last few years: increased productivity, reduced costs and improved working conditions for operators. Fluidotronica provides peripherals with individual or modular solutions, according to the needs of the clients.

PERIPHERALS
& SYSTEMS



CONVEYORS.

- . Belt conveyors
- . Roller Conveyors
- . Timing Belt Conveyors
- . Transfer systems
- . Pallet conveyors
- . Modular Chain Conveyors & Assembly lines

Fluidotronica conveyors, developed with the reliable and versatile MiniTec aluminum profile system, ensure great flexibility in order to adapt to the constant changes in production and the needs of the market. They are also developed with the objective of having a minimum wear level and maximum levels of profitability and efficiency.

CONVEYORS



MOLD TESTING CENTER.

NUMBER OF MACHINES

1x ARBURG 400T
1x ARBURG 250T
1x ARBURG 160T

CAPACITY

200gr, 826gr and 1600gr

TEMPERATURE CONTROLLERS

50 to 140°

OTHER FEATURES

- . Dehumidifiers
- . Static generators that allow the use of IML (In Mold Label)
- . Sequential Injection Equipment
- . Injection on fabric
- . Machines equipped with robots
- . Test Grippers

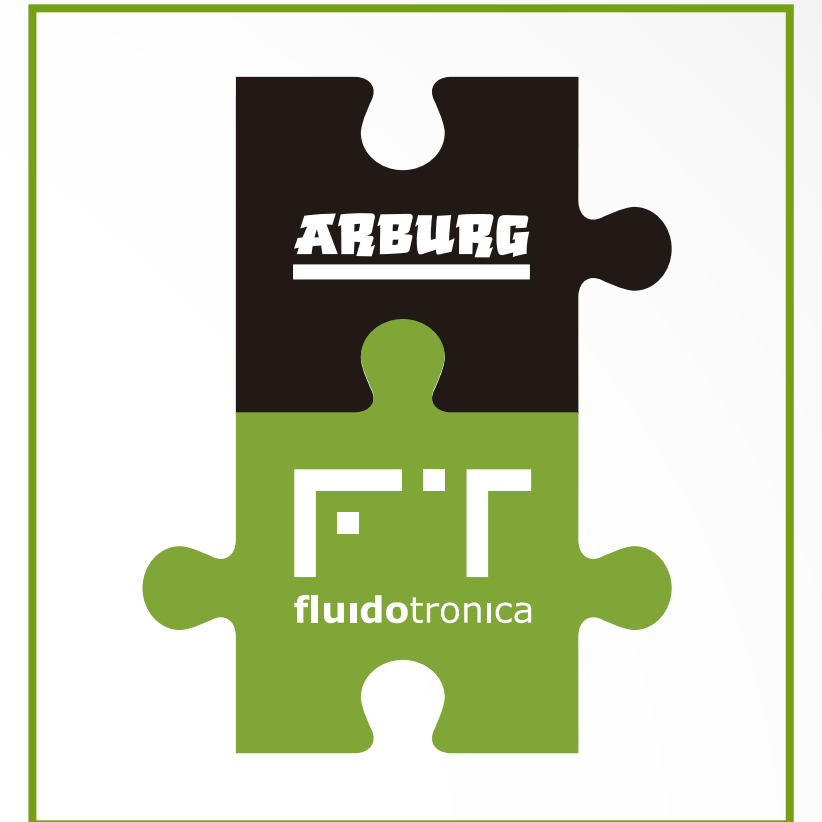
Fluidotronica has a new service for you: a mold testing center. In this space, you can test all types of injection molds, and thus simulate the production environment in advance.

Fluidotronica has at its disposal Arburg injection machines that can be reconciled with our turnkey solutions - robots and various peripheral accessories - that will allow you to not only test your molds, but also make pre-productions in real environment.

In an area of increasingly competitive performance, this is an excellent opportunity to position yourself ahead of the competition.

Visit us and get to know our new service!

Fluidotronica can help.



TRAINING COURSES ARBURG.

Parallel to the testing center that Fluidotronica has at its facilities, you can count on training courses related to the injection of plastics. These courses, developed with the Arburg team of experts, are not only about injection molding machines, but also plastics technology and maintenance courses to keep up to date with current technology.

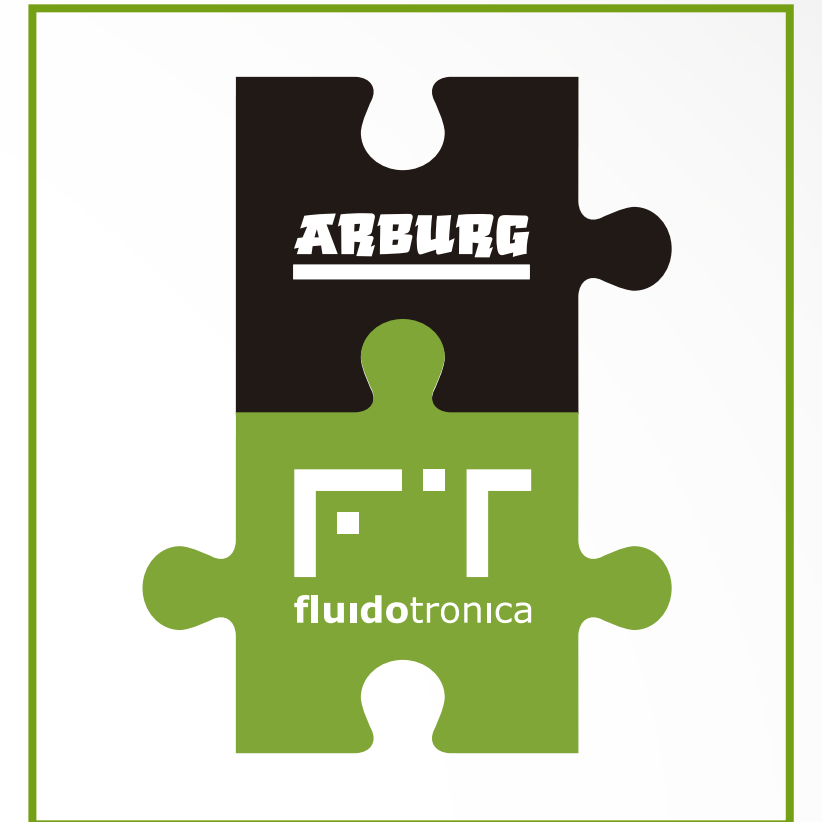
Optionally we can organize courses adapted individually to your needs or specific courses for older models of the Arburg machines that are no longer in the current program.

More than 400 people have gone through these Arburg courses in recent years. Fluidotronica wants you to take full advantage of all the possibilities offered by Arburg machines, which is the basis of a profitable production.

Fluidotronica technical team, in collaboration with the Arburg team, is at your disposal to help answer your questions and hope to welcome you to attend one of our courses as scheduled.

Arburg is one of the world leading manufacturers of high quality injection molding machines for plastics processing and has decades of experience that gives you a guarantee of the decisive advantage.

Ensure efficient injection molding with this partnership between Fluidotronica and Arburg.



3D PRINTING.

ADVANTAGES

- . Lower labor costs
- . Less waste of raw material
- . Less costs with human error
- . Lower inventory costs
- . Cheaper prototype and simpler production

PRINTER FEATURES

- . Printing area D400mm x 700mm h
- . Minimum Layer: 50 Microns
- . Print speed: 300 mm / s
- . Heated room
- . Materials: PLA; ABS; WING; PETG; Nylon; Flex

DO YOU KNOW THAT...

in less than 20 years, one in two industrial products will be printed in 3D?

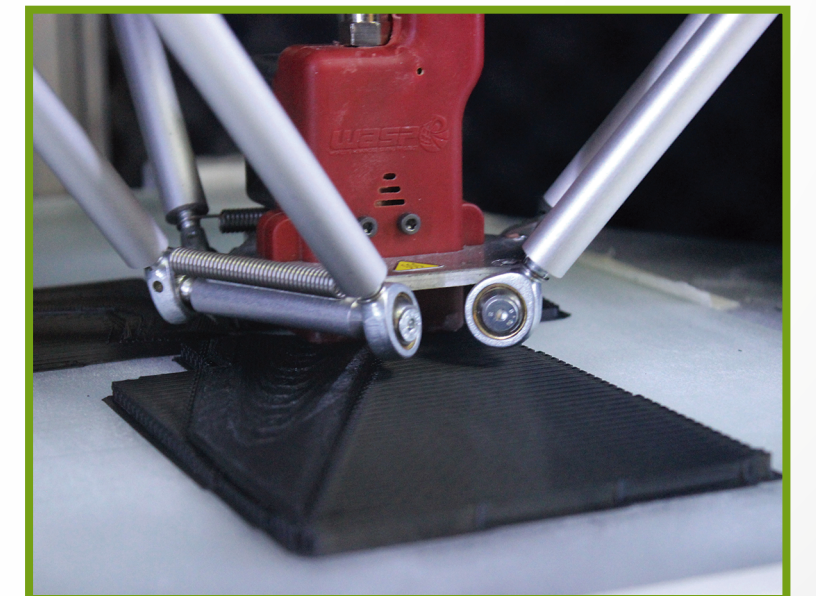
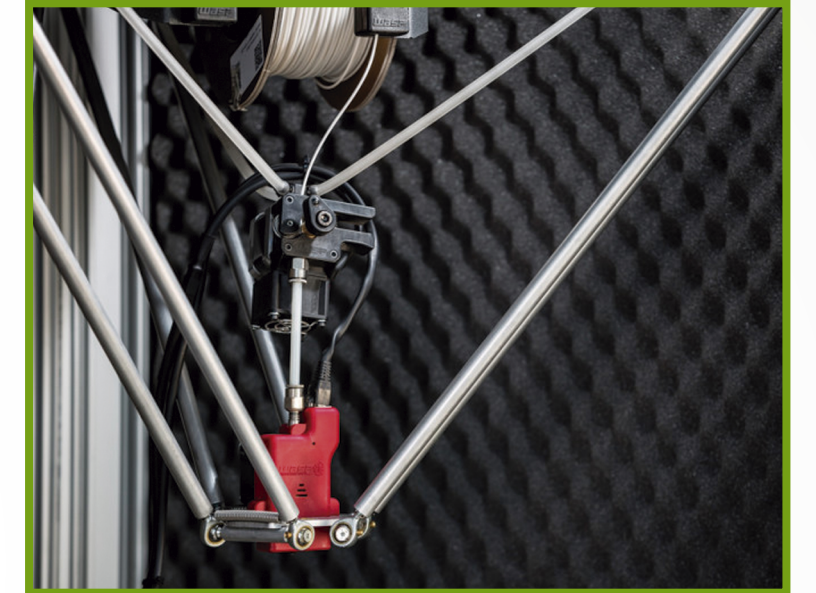
From auto parts to architecture prototypes, through clothing and footwear, prostheses or utensils and toys.

CONTACT US TO KNOW MORE ABOUT THIS SERVICE!

The great advantages of this technology are based on the precision achieved in drawing and production, the lowest cost of producing a single piece or a prototype, as well as the immediate customization capability.

Fluidotronica has a 3D printer available based on the Fused Deposition Modeling (FDM) printing process. This is the most common and simplest method, which consists of an addition print where several 2D layers are printed on top of each other until a 3D model is formed. Filaments are used which are shaped to form the desired object.

The resolution of printed pieces will always depend on the thickness of each layer. The smaller the resolution, the less imperfections will be displayed on the final object.



SMARTPICKING – A NEW RANGE OF PRODUCTS.

WHAT IS SMARTPICKING?

SMARTPICKING is an innovative concept developed and produced by **Fluidotronica**, with a view to obtaining lighter and cheaper solutions in the manufacture of EOAT.

SMARTPICKING is an easy and intelligent solution in the EOAT market, which allows production optimization, making our customers "Smart" when applying this product.

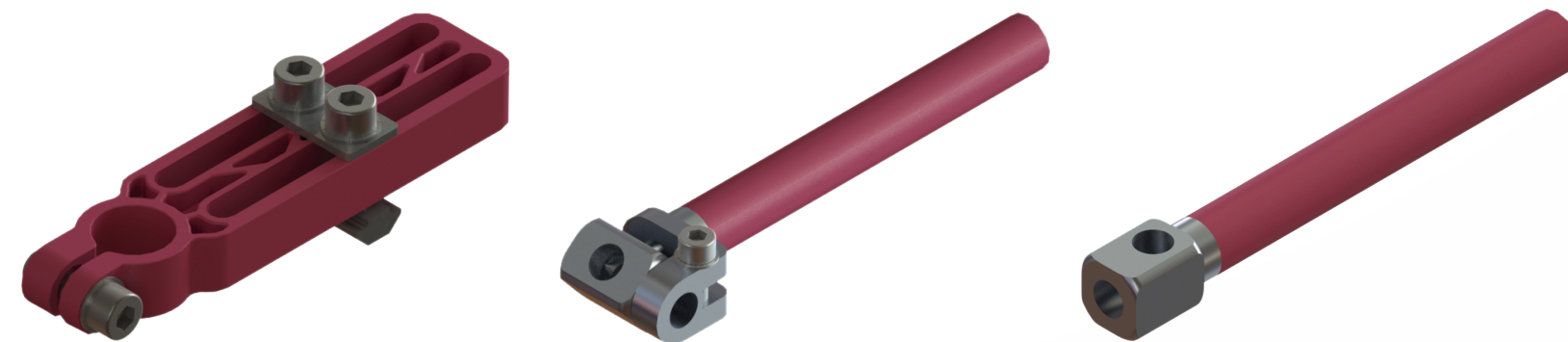
When we think about making a EOAT we look for **robustness, efficiency and lightness at competitive prices**. **SMARTPICKING** answers all these challenges!

If you have any questions, please visit www.smartpicking.pt or contact us at comercial@fluidotronica.com

This range aims to ensure a better performance of EOAT, in regards to issues such as lightness, robustness and ease of adjustment.

Fluidotronica, through the brand SMARTPICKING, seeks to offer products with mechanical characteristics identical or superior to those already on the market with a **weight reduction of 20-25%**.

The challenge is to ensure shorter cycles and less investment in the construction of EOAT. The reduction of weight in a EOAT allows to make faster movements, using robots of smaller capacity. This translates into less investment in the robot and higher productivity gains through faster cycles.





Contactos.



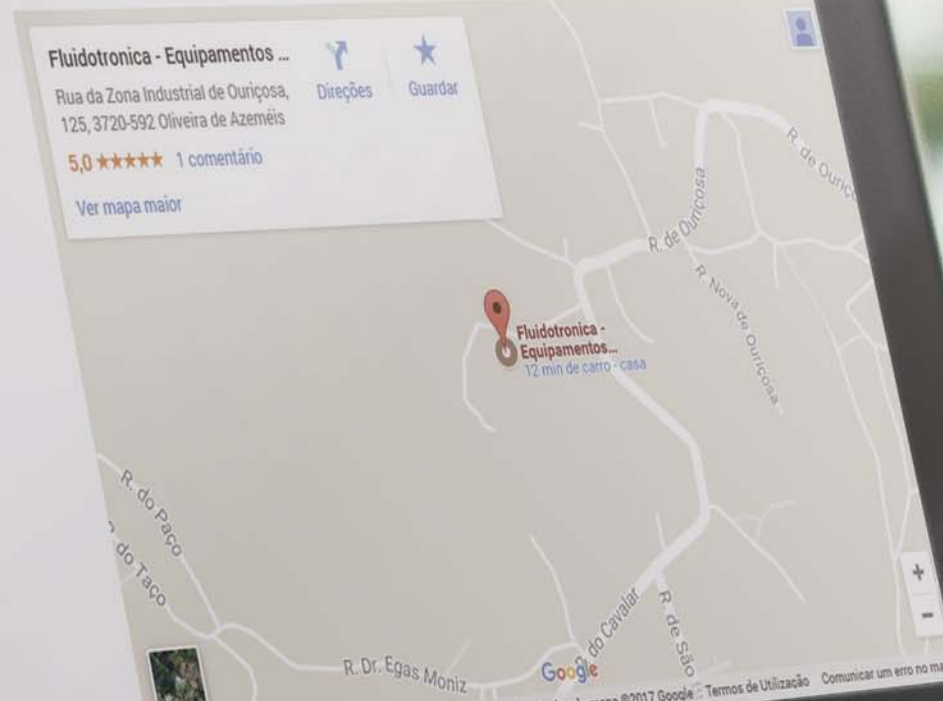
Home . Contactos

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