

Innovative solutions in automation technology and high quality standard components



From concept to commissioning – everything from a single source!

From concept development to on-site commissioning you will get everything from a single source. Our continuous development and manufacturing organization in Schmallenberg enable us to produce the required components in the best quality and within the shortest time possible. The pre-assembly in Schmallenberg and subsequent final installation at your premises ensure a smooth and effective flow so that the necessary equipment can be integrated as quick as possible into your workflow. Top quality from our own production at FEBA AUTOMATION.

Our approach:

For us, a project does not begin with the purchase order. Our technical consultants will take up on-site or according to your specifications the individual requirements of your component and will provide consultation from your enquiry until SOP.

We will provide you with a quotation that will show you very detailed the cost frame of your project since it is already based on our recommended application solution. Thus we avoid unexpected costs for your planning security.

Our project managers will remain in contact with you during the whole project and they will keep in mind for you all costs and deadlines. FEBA AUTOMATION will deliver your product on time to the location of your choice – on request even in a packaging suitable for further transport.

FEBA AUTOMATION will provide you with your product before it actually will be installed. With the help of component and tooling data our design engineers will create a 3D model including a parts list that you can check once again and subsequently approve before start of the actual production.

With our own production located directly at our Schmallenberg site **FEBA AUTOMATION** will guarantee exceptionally fast response times. In a few days we will develop and manufacture customized solutions for your project.

According to your approved design and individual specifications your product will be preassembled by experienced technicians. All components will be controlled before delivery and will only leave our works after final acceptance.

Our **FEBA AUTOMATION** service technicians will assist you with the first commissioning – at your production site as well as at your tool manufacturer. Thus we commonly guarantee that even small modifications to the tooling will not prevent a smooth SOP at the last minute.

Even after start of production our technical consultants will assist you in maintaining and ordering of spare parts: with on-site consultation or on request also through a consignment stock customized to your needs – in order that you will have all the parts you want ready to hand when you will need them!

Technical Advise



Calculation



Project management



Design



Production



Assembly



Commissioning

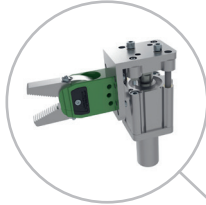


Maintenance

Flexible, Lightweight and Economical

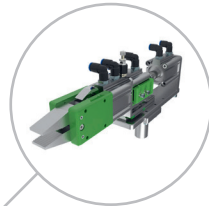
ANGULAR GRIPPING PLIERS

- With double and single stroke
- Horizontal removal from the undercut



GRIPPING PLIER UNITS

- With double and single stroke
- Horizontal removal from the undercut



CLAMPS, FOLDABLE

- Subsequent assembly is possible



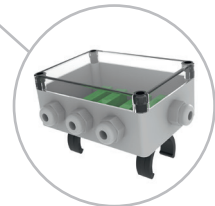
ALUMINIUM PIPES

- Special alloy
- High flexibility
- High stability



ELECTRICAL DISTRIBUTION BOX

- With visible LEDs for visualization of the query
- An easy fixing to the supporting tube through EASY-CLIP-FUNCTION is possible.



VACUUM UNITS

- Clearance-free guiding elements
- With double or single stroke



STROKE LIMITERS

- For a continuous adjustment of the removing stroke



Your advantages:

- Exceptionally flexible and light-weighted due to the round construction
- Easy assembly
- A subsequent problem-free affixing of components is possible

Reliable and proven design

Your advantages:

- Compatible with a lot of common systems
- Can be chosen from the S, X and L series, depending on weight and geometry of the component
- All components are surface-finished (anodized)

CLOSING CAPS

- For closing the profile opening
- Serve as a protection against impact

VACUUM SUCTION CUPS

- In diverse geometries and materials for every requirement

GRIPPING FINGERS WITH A PIVOTING ANGLE OF 120°

- Secure gripping of components
- Secure deposition of components

ADJUSTABLE CLAMPS

- Light and heavy duty versions
- Angled clamping head allows a close assembly

BASIC FRAMES

- Stable profile system
- Tight fit through the connection with slot nuts

CORNER CONNECTORS

- Stable profile connection
- Possibility to customize the basic frame to the component to be removed
- Variety of angles available

SUCTION ADAPTERS, SLEWABLE

- Perfect connection and easy positioning of a vacuum suction cup

SUCTION CUPS

- Strong holding force
- Low impression
- Long lifetime

PNEUMATIC CYLINDERS

- Available in all versions
- Available including magnet for position query

Innovative laser sinter technology

LOGIC MODULE

- Active ClassicLine module
- Space-saving connection of up to 10 sensors
- Linking variants of „AND“ as well as „OR“
- Jumper plugs available for unused input sockets stroke

GRIPPING FINGER TOP

- Contoured top for gripping finger GF20-120
- Safe clamping of the component
- No shifting

FLOCK

- Protection of the component through flock on the contour surface
- Flock density can be chosen

CONTOUR PIECE

- Shape-accurate taking of the component with gripper and cutting station

BASE PLATE LABELING

- Labeling for a quick assignment with e.g. tooling number, „top / bottom“

INDIVIDUAL ADAPTER PLATE

- Individually manufactured baseplate
- Anodized surface

GRIPPING PLIERS

- A extensive range of jaws
- Interchangeable
- Available with and without sensor for component search

TYPEPLATE

- Made of anodized aluminium
- Clear identification of the gripper through order number, gripper weight and year of manufacture

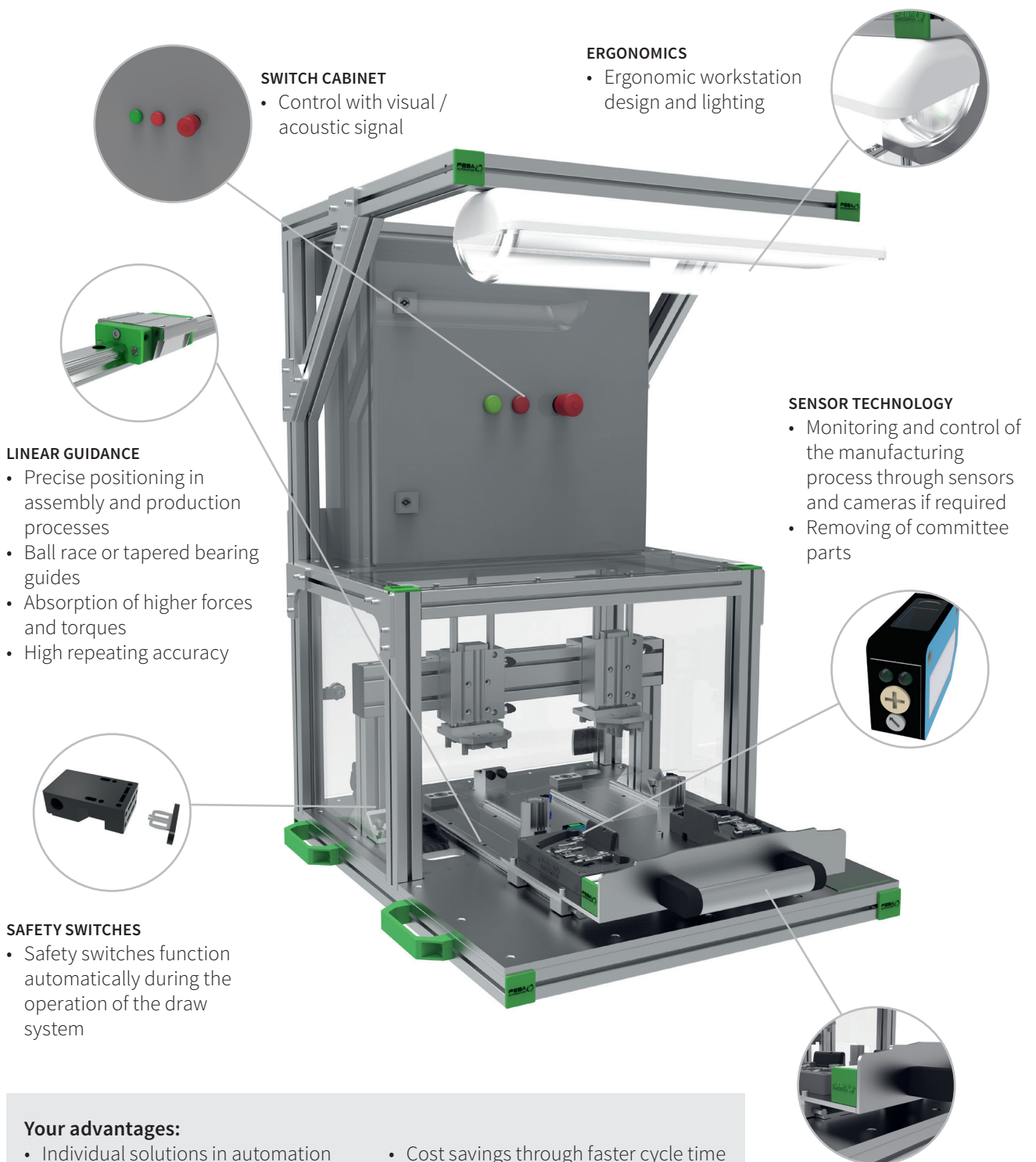
CENTERINGS

- Precise transfer from gripper to cutting station

Your advantages:

- Customized „robot end of arm tooling“ to suit individual requirements
- Shape-accurate taking
- Part protected by flocked surface
- Quick commissioning through minimal adjusting effort

If standard systems are not sufficient



SWITCH CABINET

- Control with visual / acoustic signal

ERGONOMICS

- Ergonomic workstation design and lighting

SENSOR TECHNOLOGY

- Monitoring and control of the manufacturing process through sensors and cameras if required
- Removing of defective parts

LINEAR GUIDANCE

- Precise positioning in assembly and production processes
- Ball race or tapered bearing guides
- Absorption of higher forces and torques
- High repeating accuracy

SAFETY SWITCHES

- Safety switches function automatically during the operation of the draw system

PROTECTING DEVICES

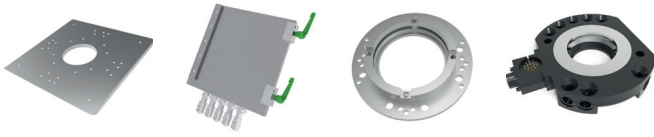
- Drawer system with locking within area of protection

Your advantages:

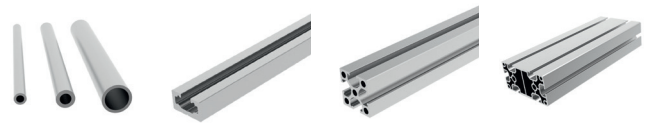
- Individual solutions in automation according to ergonomic and machine guidelines
- From in-house design and production
- Guarantee of high manufacturing quality – even in case of complex workflow
- Quality assurance through systematic design studies and technical preparation
- Processes can be simulated in 3D
- Cost savings through faster cycle time
- Technical documentation
- Declaration of conformity
- Construction and layout of control devices
- Customized welding constructions
- Special components, CAD-CAM programming
- Electrical and pneumatic automation configuration

Chose from the extensive FEBA AUTOMATION modular system

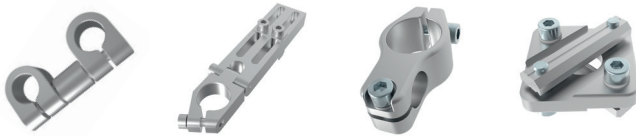
Adapter plates



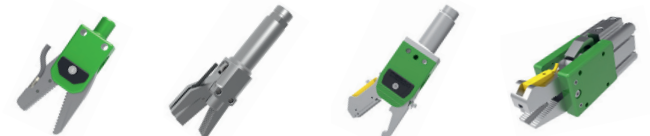
Profiles



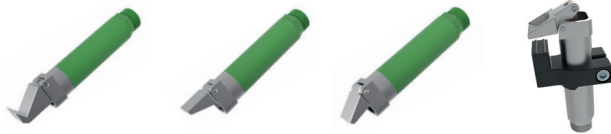
Clamps



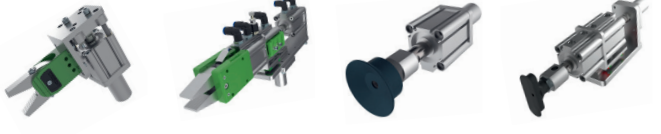
Gripping pliers



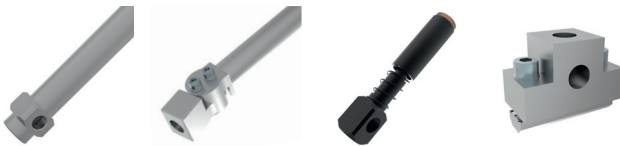
Gripping fingers



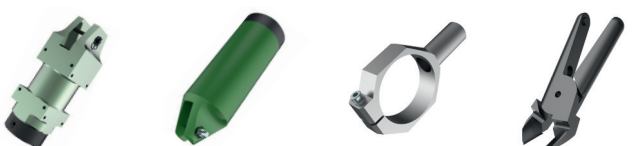
Lifting units



Suction cup adapters



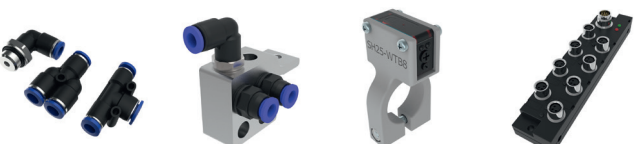
Nippers



Vacuum suction cups



Pneumatic and electrical accessories

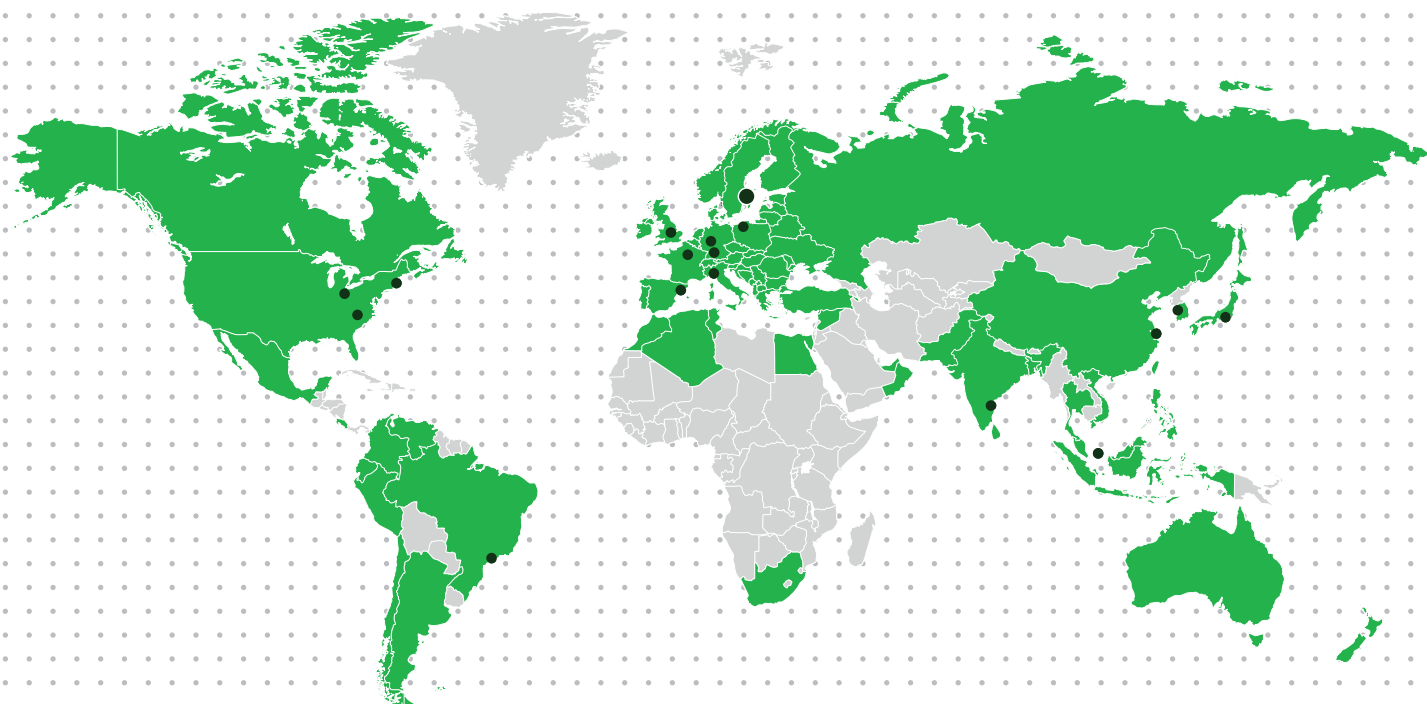


The MOBILE ASSEMBLY TROLLEY with spare parts you are needing!

FEBA AUTOMATION will deliver you for commissioning or gripper assemblies a mobile assembly trolley containing spare parts from the FEBA AUTOMATION portfolio.

The MOBILE ASSEMBLY TROLLEY will be completely compiled according to your needs and will be collected again after use. You will only pay for what you have actually installed.





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