



**BIBUS**

**ENGINEERING  
LOGISTICS  
SERVICES**

System Solutions  
Pneumatics & Process Technology  
Damping Technology  
Linear & Rotary Technology  
Drive Technology  
Electro Technology  
E-Mobility & Energy



**BIBUS**



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E-Mobility & Energy

***supporting your success***



## Modern and competent

At its headquarters in Fehraltorf, Zurich, BIBUS has a modern infrastructure and spacious premises. In our offices, workshops, testing and experimental rooms as well as at our assembly stations, we respond optimally to your wishes and needs. With our large warehouse and extensive IT network, we are well prepared for this.



### Sales force

- competent and personable
- personal advice on site
- continuous exchange of information
- fast and efficient



### Newsletter

- stay up to date with our newsletter
- all news about the company and the services
- Specialists provide information about new products



### Homepage [bibus.ch](http://bibus.ch) and Web-Shop – [shop.bibus.ch](http://shop.bibus.ch)

- new products
- wide range of services
- detailed product descriptions
- Brochures, catalogs and instructions for download
- Order products online

# Technical solution services

*supporting your success* – We have been offering services for technical solutions for around 75 years – for the success of our customers.

As a trading, service and manufacturing company, we sell fluid technology, mechanical and electrotechnical products. We offer standard and custom solutions for machine, plant, apparatus and device construction as well as for building technology, furniture and vehicle construction.

In order to find the best solution for you as a customer, competent advice, information and prompt service are crucial. In this way, we contribute to reducing costs, saving time and technical solutions – for your success.

Give us your trust.

## Three core competencies



### Engineering

We work with you to develop your customised solution if a standard product does not meet all your requirements.



### Logistics

On-time procurement and delivery of components and assemblies make us your reliable partner.



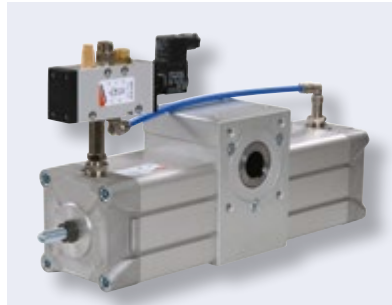
### Services

We stand for trouble-free services – from information and advice to repair service.

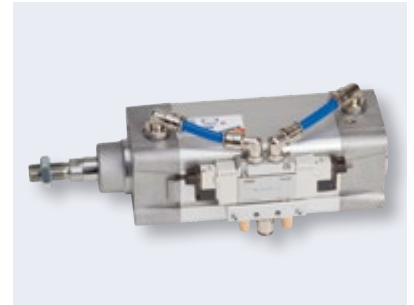
## System solutions from a single source

### Assemblies

Save costs.



Rotary actuator as a ready-to-install unit



Pneumatic cylinder with mounted valve

### Customized products

If you want more than standard.



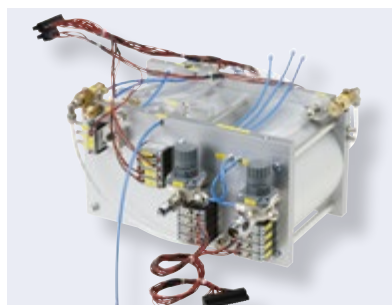
Special cylinder with hollow shaft for highest radial loads



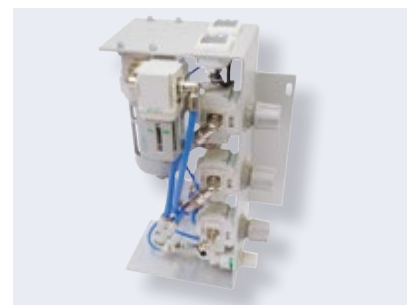
Pneumatic high speed tandem slide

### Systems

The perfect interaction.



Gas mixing unit for medical use



Air treatment for the highest safety requirements



Ready-to-connect switches as cable or plug version



Switches and sensors supplemented with matching cable and plug

**Saving costs – very simple:**  
By ordering standard components already assembled with small parts or switches.



Mechanical assembly mounted according to your specifications



Spindle and nut machined according to customer drawing

**We develop your desired product and manufacture it for you.**



Gear motor displacement unit with monitored position



Linear axis combination

**The smart solution is created when all components are coordinated with each other.**  
**We combine the components into an efficient system for you.**

## Pneumatic Actuators

Reliable movement with compressed air

### PNEUMATICS AND PROCESS TECHNOLOGY



Mini cylinder



Round cylinder  
DIN/ISO



Compact cylinder



Profile cylinders  
DIN/ISO



Micro-cylinder



Double guided cylinder



Precision cylinder



Rodless cylinder



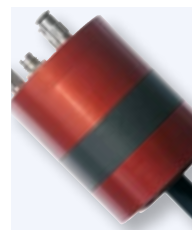
Gripper



Hydropneumatic  
rotary drive



Radial piston  
motor



Pneumatic  
stepping motor



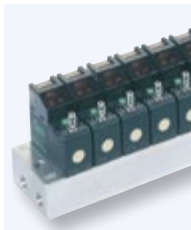
We are your contact for compressed air controlled actuators. No matter whether particularly slow or extremely fast, for linear movements as well as for rotary drives and grippers. We will find the right actuator for your application.



# Valves

## Precise piloting guaranteed

### *PNEUMATICS AND PROCESS TECHNOLOGY*



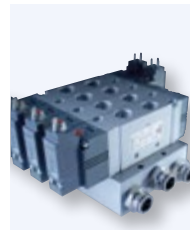
Mini-valve unit



Plug-in-valve



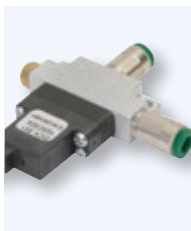
Fieldbus-module



Valve manifold



Valve island with  
CoilVision



Micro-fast-acting  
valve



Multiple-high  
speed valve



Process gas valve



Cleanroom  
component



Exhaust valve



Throttle and  
Throttle back-  
check valve



Throttle valve and  
throttle check valve  
with scale



Ball valve

State-of-the-art valve technologies guarantee precise and reliable control. Whether manual, mechanical, pneumatic or electrical. Whether for the micro range or for the largest flow rates, for standard use and for fast switching tasks. We offer the right valve for every application.



## Air Treatment

### Air quality for the highest demands

#### PNEUMATICS AND PROCESS TECHNOLOGY



Filter and lubricator



Mini-regulator



Micro regulator-unit



Pressure regulators



Compact-assembly



Pressure monitoring Filter element



Modular combination



Precision pressure regulator



Bacteria filter regulator



Micro-fitting connection



Customized fittings



Technopolymer fittings



Stainless steel fittings



Tube



Individual components and modular systems guarantee the required air quality. The coordinated connection technology in metal or plastic reliably connects your systems. You can count on us when it comes to air treatment right up to the consumer.

# Measurement & Control Technology

Measurement and control is our thing

## PNEUMATICS AND PROCESS TECHNOLOGY



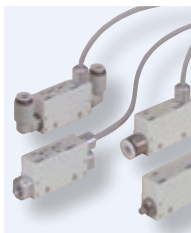
Miniature pressure switch and sensor



Electronic pressure switch



High-precision proportional pressure regulator



Miniature flow sensor



Flow sensor with display



Flow sensor for water



Mass flow controller



Pressure regulating valve



Miniature proportional pressure regulator



Proportional pressure regulator



Proportional valve direct operated



Proportional-Pressure control valve



Micro proportional pressure regulator

Whether measuring or controlling, our large selection also meets your needs - for pressure as well as for flow, for liquids and gases. Small designs and low weights allow mounting close to the measuring point. With the accuracy and reliability of our products, you can solve any task.



## Vacuum Technology

Moving and convey in all areas

### PNEUMATICS AND PROCESS TECHNOLOGY



Inline vacuum ejector



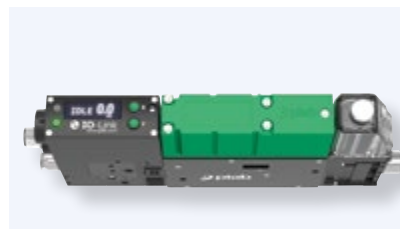
Vacuum gripping system



Modular vacuum pump



Compact vacuum system



Smart vacuum pump



Soft gripper



Standard suction cup



Special suction cup



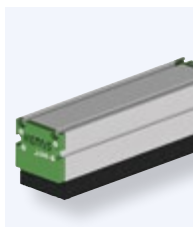
Modular suction cup



Extra large suction cups



Robotic Gripping



Vacuum gripper



Additive manufacturing vacuum conveying



Industrial vacuum conveying



High requirement vacuum conveying



We support you in vacuum handling as well as in conveying different media. With our range of vacuum components, we solve your material handling task, and when it comes to conveying the media, we advise you on the design of the of the desired components. Taking your needs into account, new approaches can also be found.



# Damping Technology

## Decelerate moving masses safely

### DAMPING TECHNOLOGY



Friction spring



Vibration-isolating pads



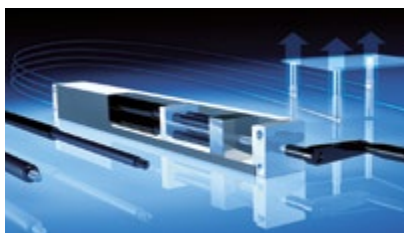
Safety bumper



Vibration absorber



Rotary damper



Linear hydraulic actuation system



Miniature shock absorber



Industrial shock absorber



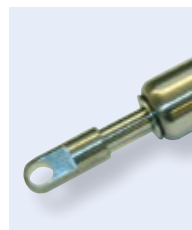
Safety shock absorber



Standard gas spring



Mini gas spring



Stainless steel gas spring



Lockable gas spring



Stopper, separating pallets

You want to prevent impacts, avoid noise or regulate speeds? With our damping technology components, you can achieve amazing results. The safe braking of moving masses protects the machine, extends service life and increases production cycles. This pays off for you!



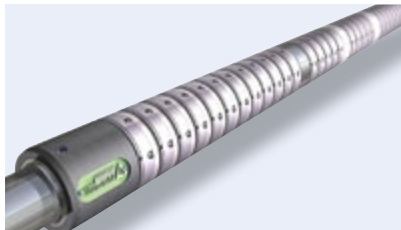
## Expansion Shafts & Safety Chucks

Safe tensioning and efficient winding

### ROTATION TECHNOLOGY



Pneumatic expansion shafts



Friction shaft



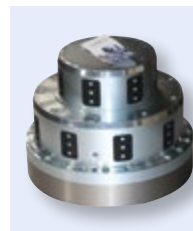
Mechanical expansion shafts



Knife shaft



Expansion couplings



Expansion chucks



Clamping cone



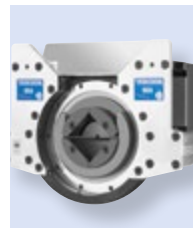
Safety chuck



Sliding chuck



Pneumatic chucks



Automatic chuck



Brakes

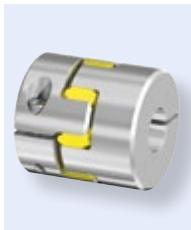


With us, you will find the optimum clamping elements for your specific application, easily and individually adapted to your needs thanks to our modular system. In our product selection, from small clamping spigots to heavy-duty shafts, we will work with you to find the most economical solution.

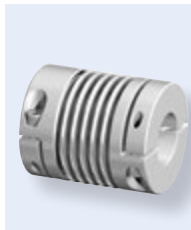
# Rotation Technology

## Reliable torque transmission

### ROTATION TECHNOLOGY



Jaw coupling



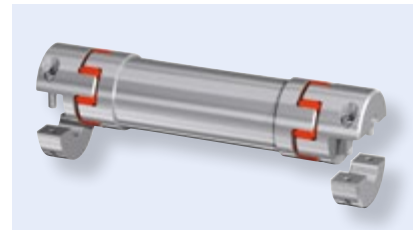
Bellows couplings



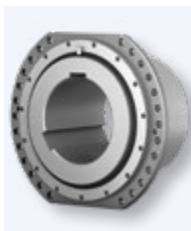
Disc coupling



Gear coupling



Line Shaft



Barrel coupling



Flange coupling



Coupling with  
variabl. stiffness



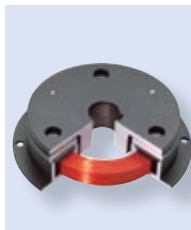
High-strength elastomer jaw coupling



Safety coupling



Centrifugal clutch  
and brake



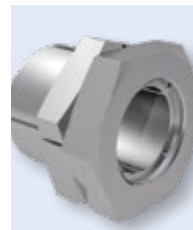
Electromagnetic  
clutch and brak



Locking element



Locking assem-  
blie



Quick-locking  
assemblies



Shrink disc

Permanently and securely connecting components for rotary motion – that's what we guarantee with our products. Whether high-tech torque transmission, cost-effective standard components or a design adapted to your application we have the right solution.



## Linear Technology

### Stability and accuracy in movement

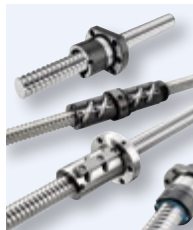
#### LINEAR TECHNOLOGY



Linear bearings  
and guide shaft



Profile rail  
guide



Lead Screw



Glide Screw



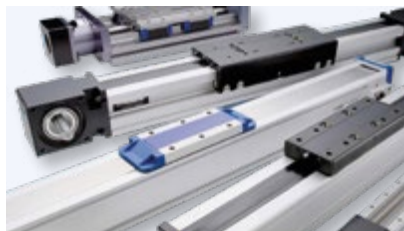
Miniature component



Small planetary  
gearbox



Linear actuator



Linear actuator motion system



Linear axis



Electric gripper



Stepper motor  
actuator



Lifting column



Inline-electric cylinder and electric  
cylinder



Precision Linear  
actuator



Worm gear screw  
jack



Even with fast movements, the position must be right. Our wide product range enables a precisely coordinated solution for your application. With our system technology, we guarantee the smooth interaction of all components. Fast movements with the required stability and positioning accuracy - that is a matter of trust. That's what we are here for.



# Rotating Unions

Reliable pass through of all kinds of media

## ROTATION TECHNOLOGY



Rotating union for fluids



Rotary union with flange rotor



Rotary union for high temperature



Rotary union stainless steel



Duoflow rotary union



Higspeed-rotary union



Rotating union for coolant lubricants



Seal kit



Rotating union with stroke support



Rotating union with leakage sensor



Multipassage rotating union



Hydraulic rotating union



Rotating union with electrical slip ring

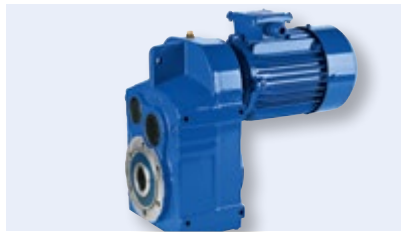
We offer rotating unions for all applications and at the highest technical level. You have come to the right place, because our selection is comprehensive: from slow rotating distributors to high-speed for high pressure or high volume. Ask us, we will be happy to help you choose the right rotating union.



## Drive Technology

### Calculation of the best variant

#### DRIVE TECHNOLOGY



Parallel shaft gear motors



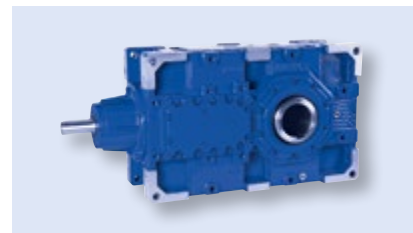
Heavy-Duty  
Planetary gearbox



Coaxial gearbox



Bevel helical gearbox



Heavy duty gearbox  
Extruder gearbox



Worm gearbox



Helical bevel gear motor



Right-angle-planetary-gearboxes

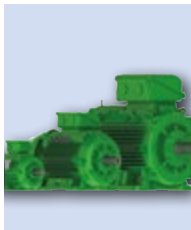


The drive is the heart of every machine. That is why quality and availability are crucial. We calculate for you the technical solution with the best price-performance ratio. Our wide range of variants guarantees you the required design. If this is not to be found in the standard program, we will do our best to find a special solution according to your needs.

# Drive Technology

## Modular and user-friendly

### DRIVE TECHNOLOGY



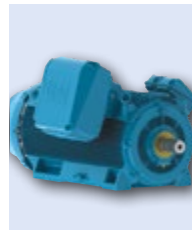
Electric motor  
Low and high  
voltage



Electric motor  
aluminium



Electric motor  
Ex db, Ex eb, Ex  
ec, Ex tb, Ex tc



High voltage  
motor compact



Motor water  
cooled



Brake motor



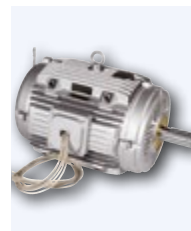
Micro gearbox  
with three-phase  
motor



Smooth surface  
gearbox motors



Gear motor with motor drive



Motor for smoke  
gas fan



Flat gear  
EC motor



Motor drives IP66



Medium voltage  
drive



Static frequency  
converter



Switches & Contac-  
tors command and  
signalling devices

With the wide range of industrial motors, we can provide solutions for simple and demanding applications, up to places of use in aggressive environments and difficult environments. We offer electric motors, low- and high-voltage motors, smoke extraction fans, and control and signalling devices for almost any application that requires high performance and energy efficiency.



## Switching Technology

### Precise measurement and switching

#### ELECTROTECHNIC



Mechanical pressure switches



Electronic pressure switches



Pressure transmitters



High Pressure Transmitter



Float switch



Capacitive level sensor



Capacitive push-button with IO-Link



Capacitive push-button



Hold request button



Light curtain for measurement



Scanning laser rangefinder



Position switch



Selector switch



Joysticks



Thanks to our industry expertise and highly specialised engineers, we can also provide complete system solutions. We carry out feasibility studies and application tests in our own laboratories in a timely and competent manner. This ensures that you receive a tailor-made solution from us.



# Safety Technology

## Safe protection for people and machine

### ELECTROTECHNIC



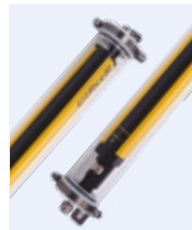
Safety Laser Scanner



Safety light curtain



Mini light curtain



Safety light curtain ATEX / Water



Hinge switches



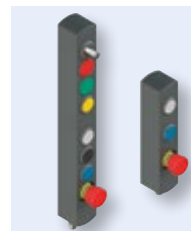
Magnetic safety-sensor / RFID



Safety handle with multicolor RGB LEDs



Safety switch with separate actuator with lock and RFID technology



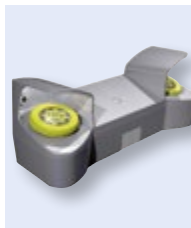
Control device unit



Rope safety switch



Emergency push-buttons



Two-hand control device



Safety module



Programmable and flexible safety module



Safety interface

We know all regulations and standards regarding safety engineering. Take advantage of the expertise of our specialists. With us, you comply with the Machinery Directive at all times and protect man and machine. Secure your doors, gates, flaps, robots, lifts, machines and systems and work without accidents and incidents.



## E-Mobility & Energy

### Charging Solutions for Electric Vehicles

#### E-MOBILITY



AC Charging Station



DC Movable  
Charger



DC Satellite



DC Station Charger



Power Unit with DC Satellites



Storage Battery



Cable Management



Energy and  
charging management systems



With our charging stations, you can supply all electric vehicles in the DC range with 40 to 1200 kW charging power – supported by our commercial storage batteries if required. You always receive the highest hardware quality, guaranteed by our strong partners, as well as comprehensive advice and service, guaranteed by us.

# BIBUS Subsidiaries in Europe and Asia



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