BIBUS





SAFETY CHUCKS ROTARY DAMPERS DIAPHRAGM PUMP ELECTRIC MOTORS

GAS SPRINGS

ELECTRIC WHEELS SHOCK ABSORBER

COUPLINGS

SPECIAL VALVES

ALUMINIUM PROFILES

SIDE CHANNEL BLOWERS

MEASURING INSTRUMENTS

FLUID CONTROL COMPONENTS

CLAMPING SOLUTIONS









MECHATRONICS



ENVIRONMENTAL TECHNOLOGY

WHO WE ARE

BIBUS India is a leading technology solutions provider, offering a wide range of products and services in the fields of pneumatics, mechatronics, and environmental technology. As a subsidiary of the esteemed Swiss Company BIBUS AG, BIBUS India combines global expertise with local knowledge to deliver customized solutions that cater to the unique requirements of Indian industries. With a strong emphasis on quality, prompt delivery and exceptional customer service, BIBUS India is committed to empower industries with excellence and driving their success.

HERITAGE

BIBUS India has a rich heritage rooted in the renowned BIBUS AG with it's HQ Switzerland which has been a prominent player in the technology sector for over 75 years. Drawing upon this extensive experience, BIBUS India brings forth a legacy of expertise in pneumatics, mechatronics, and environmental technology. With a strong focus on delivering high-quality products. customized solutions and unmatched customer service. BIBUS India continues to build upon its heritage to provide innovative and reliable solutions that empower industries and drive their growth.

WHAT WE DO

BIBUS India is a leading provider of advanced technological solutions and components. With a strong emphasis on quality and customer satisfaction, BIBUS India offers a comprehensive range of products and services in the fields of pneumatics, mechatronics and environmental technology. Our offerings include top-qualitycomponents from renowned manufacturers, customized solutions tailored to specific requirements, technical consulting and design. BIBUS India strives to empower industries by delivering efficient systems, prompt delivery, and reliable order processing.

Technology

Materials

Electronics

BIBUS AG (CH)

BIBUS s.r.o. (CZ)

BIBUS SK s.r.o. (SK)

BIBUS MENOS Sp. z o.o. (PL)

BIBUS GmbH (DE)

BIBUS Zagreb d.o.o. (HR)

BIBUS Austria GmbH (AT)

BIBUS (UK) Ltd (UK)

BIBUS Kft. (HU)

BIBUS France S.A.S. (FR)

INOTEH d.o.o. (SI)

BIBUS Ukraine LLC (UA)

BIBUS o.o.o. (RU)

BIBUS SES SRL (RO)

BIBUS (BY) COOO (BY)

BIBUS SINDBY A/S (DK)

BIBUS Bulgaria Ltd. (BG)

BIBUS Spain, S.L. (ES)

BIBUS Portugal, Lda (PT)

BIBUS Shanghai Mec., Ltd. (CN)

BIBUS Endüstriyel Ürünleri A.Ş.

(TR)

BIBUS Hidrotos Hidrolik A.Ş (TR)

BIBUS doo (BA)

BIBUS Vietnam E&C Co., Ltd.

(VN)

BIBUS (Thailand) Co. Ltd. (TH)

BIBUS India Pvt. Ltd. (IN)

BIBUS Malaysia Sdn. Bhd. (MY)

BIBUS HYDRAULIK AG (CH)

BIBUS Italia Srl (IT)

SAUER BIBUS GmbH (DE)

WESER-PUMPEN GmbH (DE)

SAUTER EDELSTAHL AG (CH)

SAUTER METALL GmbH (DE)

MPL AG (CH)

MPI Technologies AG (CH)

BIBUS METALS AG (CH)

BIBUS METALS Austria (AT)

Sales Ofce

BIBUS METALS ASEAN (VN/KR)

Sales Ofce

BIBUS METALS Sp. z o.o. (PL)

BIBUS METALS K[]t. (HU)

BIBUS METALS S.R.L. (RO)

BIBUS METALS TOV (UA)

BIBUS METALS 0.0.0 (RU)

BIBUS METALS Ltd. (HK)

BIBUS METALS (Shenzhen) Ltd.

(CN)

BIBUS METALS s.r.o. (CZ)

BIBUS METALS GmbH (DE)

BIBUS METALS France (FR)

S+D METALS GmbH (DE)

S+D METALS (FR)

Sales Ofce

S+D METALS (IT)

Sales Ofce

S+D METALS (CZ)

Sales Ofce

S+D Speciality Metals UK Ltd. (UK)

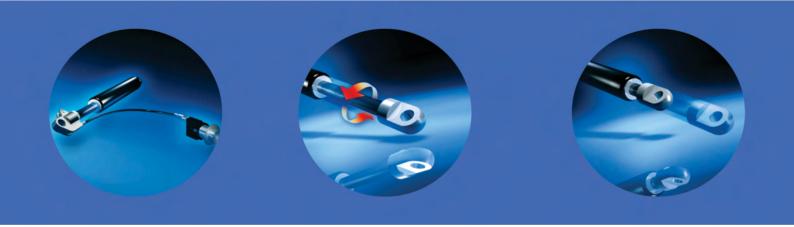
HARTMANN MATERIALS
AG



GAS SPRINGS

Discover the unparalleled quality and performance of industrial gas springs. Engineered to excel in demanding industrial environments, our gas springs deliver reliable force, seamless operation, and extended durability. With a diverse range of sizes, forces, and mounting options, we provide tailored solutions for all your industrial applications.

- Minimal friction
- Prolonged life cycles
- Highest corrosion resistance
- Aviation-grade gas springs
- Tailored solutions for all your industrial applications.
- Innovative CeramPro surface treatment on the piston rod





APPLICATIONS

- Aerospace Assemblies
- Vehicle Productions
- Industrial Equipment
 - ▶ Machinery Doors
- Marine Equipment
- Furniture Equipment
 - ▶ Outdoor Furniture
 - ▶ Kitchen Furniture
- Medical & Rehabilitation Equipment

- Powdercoated cylinders
- CeramProtreated piston rod surfaces
- Minimal friction to achieve lowest extension forces
- Protection against vibration and side forces.
- Lowbreak away forces
- Installation and storage in any position









ALUMINIUM PROFILES

Comprehensive solution for constructing various structures and systems. The system consists of aluminum profiles, fasteners and a wide range of accessories. It offers versatility, allowing for easy assembly, modification and expansion. The Machine Building Kit System is known for its high strength-to-weight ratio, durability and precision.

- Modular Design
- High Strength-to-Weight Ratio
- Profiles offerunmatched versatility
- Excellent durability and resistance to wear and corrosion
- Comprehensive range of compatible accessories and connectors
- Anodized sleek and modern design, adding an aesthetic appeal









APPLICATIONS

- Machine Building kit system
- Workbenchsystem
- Ergonomic workplace design.
- Stairway & platform system
- Machine steps, platforms, industrial guardrails & more, Machine Enclosure system
- Cleanroom solutions
- Robot Applications & Linear systems
- Robot bases, Robot cells, Robot tables.

- Powerlocking feature
- Ergonomic work bench design
- Anodizedhardness 250-300 HV
- Widerange of ESD components
- Load carrying capacity 500N to 10000N
- Flexibility to integrate with other solutions
- Extensive array of accessories and components
- Anodized thickness 10 Microns minimum and maximum up to 50 Microns. Can be extended repeatedly









ELECTRIC MOTORS

The IE2 motors lie in the high-efficiency range. As one of the most popular types of electric motors, induction motors are used in a wide range of applications from small electronics to large industrial machines. Often referred to as asynchronous motors, induction motors are characterized by their simple construction and high reliability. The IE3 premium efficiency low voltage motors, manufactured in India, are certified exclusively by BIS

- Robust construction with high grade GJL200 cast iron frame.
- Heavy Duty motors with high starting torque.
- Totally Enclosed Fan Cooled (TEFC) design, with an IP55 degree of protection.
- Deliver high efficiency, helping users save on energy costs & reduce carbon footprint.
- Wide range of output power options, ranging from 0.18 to 355 kW.
- Number of poles (2,4,6 and 8) and frame sizes (71 up to 355A/B).









APPLICATIONS

- Mining
- Steelplant
- Sugarcane mill
- Pulpandpaper
- Powergeneration
- Cement and petrochemical
- Manufacturing industries (Eg: Machines, Blowers, pumps etc)

- BIS & CEMarking
- 3 years warranty
- Suitable for VFD use
- EfficiencyleveIIE2,IE3,IE4&IE5
- UL/CSA, NEMA, ATEX & IECEx available under request
- Insulated NDE end shield for frames 315S/Mto355A/B









SAFETY CHUCKS

Safety Chucks are the go-to solution for web handling and converting applications. Designed to ensure secure roll positioning, they prevent slippage and maintain consistent tension on materials. With their robust construction and various sizes, Safety Chucks offer reliability in demanding industrial environments.

- Durable Construction
- Customizable Shaft End
- Quick Replaceability of Wearing Parts
- Secure Roll Positioning by preventing slippage
- Available in foot or flange mounting configurations
- Facilitates fast and easy roll exchanges, minimizing downtime









SIDE CHANNEL BLOWERS

Our side channel blowers, manufactured for industrial applications, offer a wide working range with flow rates ranging from 20 to 2500 m3/h. They can generate vacuum from 0 to -300 mbar abs and positive pressure from 0 to +1000 mbar rel. These blowers can function as both exhausters and compressors. They can be fitted with frequency converters, and their layout can be horizontal or vertical.

- Robust Construction crafted from full die cast aluminum
- The absence of lubrication needs between static and rotating components simplifies maintenance.
- Low Noise Emission equipped with dedicated silencers for both suction and exhaust
- Customizable configurations, including adaptations for ATEX3GD and 2G standards.









ELECTRIC WHEEL

Autonomous electric wheels that integrate motors and batteries, providing powerful and efficient performance. This cutting edge technology not only provides exceptional performance but also contributes to a cleaner and more sustainable future. These are well-suited for material handling equipment such as forklifts, pallet trucks, and automated guided vehicles.

- Compact solution for handling equipment
- Heavy loads moved without effort by operators
- Contribute to a greener environment
- Solutions customized to meet specific needs
- External batteries added to allow for continuous operations
- Provide smooth acceleration, accurate maneuverability, and consistent torque









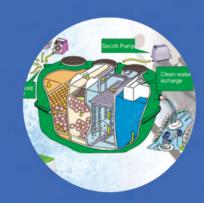
DIAPHRAGM PUMPS

Our air pumps are specifically designed for a wide range of environmental technology applications. These pumps are renowned for their reliability, efficiency, and compact design. With low noise levels, they provide precise and dependable airflow. These reliable pumps effectively draw in air and deliver it for aeration in wastewater treatment, aquaculture, medical devices and more.

- Designed and built using high quality materials.
- Maximizing airflow while minimizing energy consumption
- Compact and space saving design, even in environments with limited space.
- Air pumps feature specially designed pump chambers and integrated tank base mufflers, resulting in a nearly pulsation-free airflow.









TEMPERATURE AND LEVEL MEASUREMENT

Discover Our Float switch and temperature switch for reliable level and temperature detection. Ideal for shipbuilding, wind turbine, water treatment, petrochemicals and more. Customizable design options, including sliding tube and mounting choices. Experience precise temperature control with the bi-metal switch and ATEX-complaint explosion-proof devices. Trust us for versatile solutions tailored to your industrial needs.

- Easy and inexpensive mounting float switches offer a hassle-free and cost effective installation process.
- They can effectively detect and controllevels in various fluids, ensuring versatility and compatibility.
- Various temperature sensors available: With options like PT100 and PT1000 sensors, these devices offer flexibility and accuracy in temperature detection.









SHOCK ABSORBERS

Upgrade your industrial machinery with high performance shock absorbers and rotary dampers. Our shock absorbers provide reliable mitigation of shocks caused by highspeed operations, ensuring smooth and efficient productivity.

- Advanced Seals
- Long Service Life
- Reliable and Durable
- Superior Shock Mitigation
- Customization based on specific requirements









ROTARY DAMPERS

Our rotary dampers deliver a soft opening/closing action for doors, lids, and more, adding a touch of quality to your products. Experience exceptional impact absorption, precise motion control, and enhanced durability. Elevate your operations with our advanced solutions.

- Smooth Motion Control
- Utilizes Oil Viscosity or Hydraulic Resistance
- Offering versatility in various industries and situations
- High Productivity & Lean Specifications
- Broad Range of Customized models for dampingLid&doormotions









PRECISION COUPLINGS

Precision couplings for high-speed, precise motion transfer. They offer standard and custom solutions, ideal for compact, efficient systems. Their products prioritize reliability and performance, ensuring optimal operation for various applications. As transmissions shrink to accommodate lighter machinery, these couplings offer cost-saving advantages overtraditional types.

- Compact design
- Lowmoment of inertia
- Wearand maintenance free
- High positioning accuracy
- Vibration damping and precise
- Use with aggressive media or high temperatures
- Variant depth for different stiffness and offset compensation requirements









PNEUMATIC SOLUTIONS

BIBUS India offers a wide range of pneumatic actuation products for both linear and rotary movements. From ISO and nonstandardized actuators to compact, inox, guided, and rodless cylinders, we have solutions to meet diverse industry needs. Our valves and solenoid valves are designed for precision and reliability, with options for directly and indirectly operated solenoid valves, mechanical and manual valves, logic valves, and more.

- Offers a wide range of pneumatic cylinders catering to different applications. This includes ISO cylinders, standard cylinders, compact cylinders, inox cylinders, guided cylinders, non standardized cylinders, rotating cylinders, rodless cylinders
- Valves are designed for maximum performance in terms of flow rate and power consumption. Whether it is, mechanically, or pneumatically operated valves. These are available in different sizes and flow rates.









BIBUS LINEAR ACTUATORS

BIBUS Linear Actuators, specifically designed to elevate the performance of hospital beds, dental chairs, OT tables, basement trapdoors and murphy beds. Engineered with cutting-edge technology and precision, which ensure seamless, smooth, and precise movements, revolutionizing functionality in various applications. With a focus on safety and reliability, our robustly constructed actuators, delivering durability and longevity for everydayuse.

- Smooth Quiet and Precise Movements our compact and maintenance free DC linear actuators ensure seamless and controlled adjustments, allowing for quiet, smooth and precise movements.
- Delivers unparalleled comfort & ergonomic advantages to both patients and care givers
- Quiet and effortlessly smooth telescopic lifting columns, catering to both industrial and medical equipment needs.









PNEUMATIC GRIPPERS

The pneumatic gripper has gained extensive usage in worldwide factory automation due to its acknowledged quality. Resembling human fingers, these grippers adeptly manipulate objects in vertical or horizontal orientations. Their categorization spans power supply (standard, simple, complex), cylinder size (small, medium, large), and movement patterns (angle, parallel). Versatile options emerge from operational techniques such as rack & pinion, roller guide, link lever, crank lever, CAM, and wedge mechanisms.

- Versatile Gripping Abilities: allowing them to adeptly lift and position objects both vertically and horizontally, enabling diverse automation tasks.
- Gripping Force: grippers are available in different sizes and configurations
- Gripper Finger Options: pneumatic grippers offer a variety of finger options to suit different object shapes and sizes.
- Mounting and Integration: designed to be easily mounted and integrated with different robotic systems and automation equipment









MANUAL CLAMPING

DESTACO offers a comprehensive range of clamping solutions including manual, pneumatic, and hydraulic clamps to meet various industrial needs. Their manual clamps-such as vertical, horizontal, latch, and straight-line action clamps – are known for durability and precision. Pneumatic clamps provide fast, consistent clamping for high volume operations, while hydraulic clamps deliver high-force performance in demanding environments. They also provides custom solutions with features like color-coded handles and stainless steel options for specialized applications.

- Toggle Lock Plus®: Added safety lock to prevent accidental opening.
- High Clamping Force: Strong holding capacity across manual, pneumatic, and hydraulic clamps.
- Long Service Life: Durable construction with maintenance-free components.
- Custom Options: Available in stainless steel, colored handles, and application-specific designs.









SENSOR TECHNOLOGIES

di-soric and SensoPart offer comprehensive sensor solutions tailored for industrial automation, covering a wide spectrum of detection and inspection needs. Their combined portfolios include inductive, capacitive, optical, and ultrasonic sensors, along with advanced machine vision systems. di-soric is known for its robust sensor designs and integration flexibility, including specialized lighting and ID systems. SensoPart excels in high-resolution vision sensors and optical detection, particularly suited for robotics, electronics, and precision manufacturing.

- Vision Sensors: Integrated tools for object detection, codereading, and position tracking.
- Inductive Sensors: Detect metallic objects without contact; ideal for standard and demandingapplications.
- Capacitive Sensors: Detect liquids, powders, and solids in both metallic and non-metallic materials.
- Ultrasonic Sensors: Precisely detect label gaps foraccurate placement, even on transparent surfaces.









SMART LIFT FURNITURE

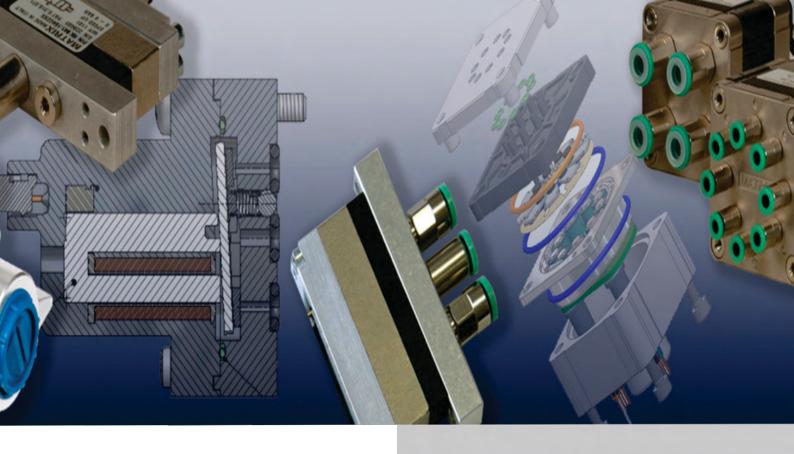
Redefine the way you live and work with smart furniture solutions. A sleek motorized TV lift keeps your entertainment hidden until you're ready to watch, rising smoothly at the touch of a button. Pair it with a height-adjustable table that adapts to your comfort - whether you're working, dining, or relaxing. It's the perfect blend of style, convenience, and smart living -all in one seamless setup.

- Space-Saving & Aesthetic Appeal TV lift allows your television to stay hidden when not in use
- Convenient & Effortless Operation With the push of a button, the motorized mechanism smoothlyliftsorretractstheTV.
- Ease of use: A smooth transition between sitting and standing encourages frequent posture changes, reducing fatigue & promoting better posture.
- Sturdy Frame and Build Quality: A robust & durable frame ensures the table stays stable at any height.









PNEUMATICS VALVES

BIBUS India offers a range of superbly engineered valves designed for demanding OEM applications. Their versatility extends to plugand-playmanifolds with high-speed valves, reducing assembly time for high-speed sorting equipment. These valves find wide application, enhancing sorting technology in various sectors, including pharmaceuticals and color sorting machines, where their rapid cycling supports uninterrupted 24-hour operations. These valves combine durability, speed, and reliability, propelling sorting advancements globally.

- These valves boast an extraordinary operational lifespan, spanning from a minimum of 500 million cycles to an impressive 4 billion cycles.
- With a response time of under 0.25 milliseconds, guaranteeing swift and seamless operations critical for efficient sorting applications.
- The ability to accommodate nine valves within a mere 2.5-inch cube, making them ideal for space constrained setups.
- Operating on minimal power, some valves consume as little as 0.8 watts







OUR PARTNERS

MECHATRONIC PARTNERS





















PNEUMATIC PARTNERS

















ENVIRONMENTAL TECHNOLOGY PARTNERS









HYDRAULICS PARTNERS









BIBUS AG (HQ)

Q FEHRALTORF (SWITZERLAND)



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