



MECHATRONICS

INDUSTRIAL EQUIPMENT L.L.C.

DUBAI | RAS AL KHAIMAH | ABU DHABI | BAHRAIN | QATAR | INDIA

A Company established to Provide one stop solution for
Industrial and Process Automation.



www.mechatronics.ae





“We, the Mechatronics Group of Companies, firmly believe in delivering excellence through efficient, high-quality solutions and outstanding customer service. Our team understands your needs and offer customized solutions. We ensure 24/7 service support to be your reliable partners.

During the course of our journey, We have designed and developed many factory and process automation for prestigious multi-national companies like DEWA, Dubal, ADNOC, Emal, Nestle, Unilever, Jotun Paints, Coca-Cola, etc. We have successfully established as one of the go-to SPM manufacturers.

We firmly believe in performance and not in perishing.”

Stanley C. J. Daniel
Chairman and Managing Director



WHY CHOOSE US?



12 OFFICES



4 COUNTRIES



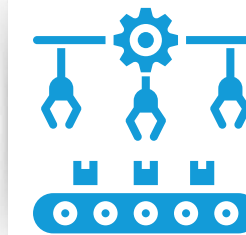
65 + TOP BRANDS



500+ EMPLOYEES



10000+ CUSTOMERS



2 MANUFACTURING UNITS



GLOBAL PRESENCE IN MIDDLE EAST AND IN INDIA

Main Headquarters: Mechatronics Industrial Equipment FZ-L.L.C.
Dubai Production City, Dubai, U.A.E.

Other branches in U.A.E.

- Al Qusais - Dubai
- Abu Dhabi
- Ras Al Khaimah

Subsidiaries in the Middle East

- Bahrain
- Qatar

Further presence across the globe

- Chennai, Tamil Nadu, India - India Headquarters
- Sriperumpudhur, Tamil Nadu, India - Factory
- Delhi, Mumbai, Pune, Bengaluru, Ahmedabad, Kolkata, Hyderabad, Jamshedpur, Coimbatore - Regional presence





OUR CORPORATE OFFICE - DUBAI PRODUCTION CITY UNITED ARAB EMIRATES





OUR FACTORY IN INDIA



MechAir™
ALUMINIUM PIPING SYSTEM



Mishel™
HYDRAULICS



MECHATRONICS | ONE-STOP SOLUTION FOR INDUSTRIAL AND PROCESS AUTOMATION



OUR FACTORY IN INDIA





HOW WE WORK?

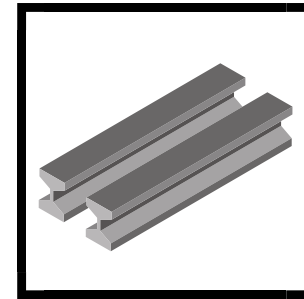




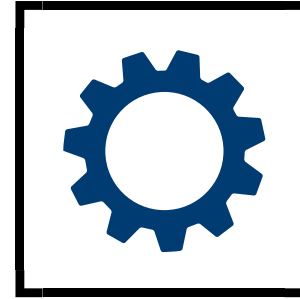
MAIN APPLICATION FIELDS



CEMENT



STEEL INDUSTRY



OEM



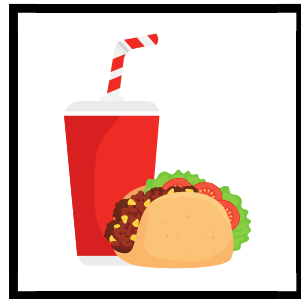
OIL & GAS



PHARMACEUTICAL



FURNITURE



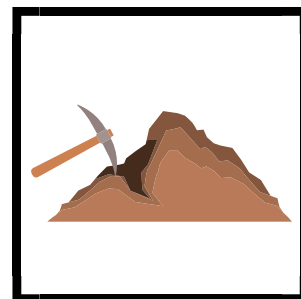
FOOD & BEVERAGE



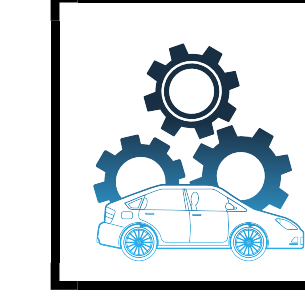
HVAC



MARINE



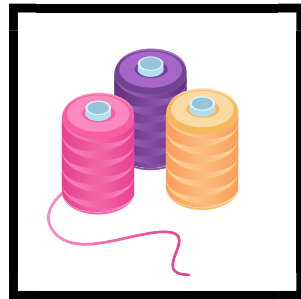
MINING



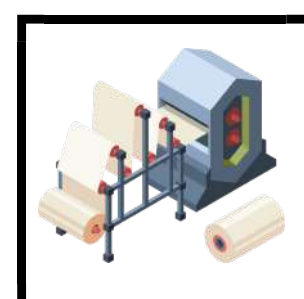
AUTOMOTIVE



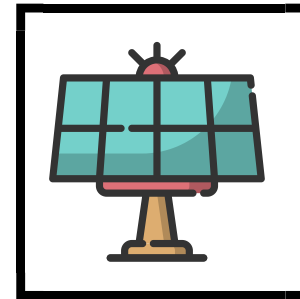
MEDICAL



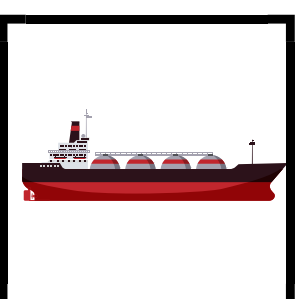
TEXTILE



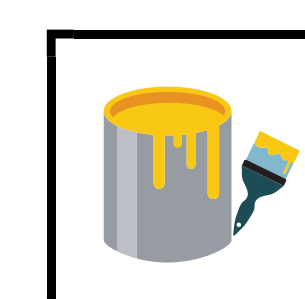
PAPPER INDUSTRY



SOLAR INDUSTRY



LNG PLANTS



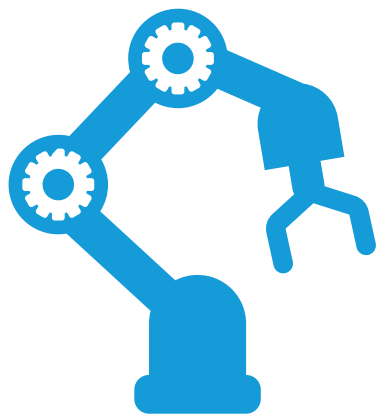
PAINTS



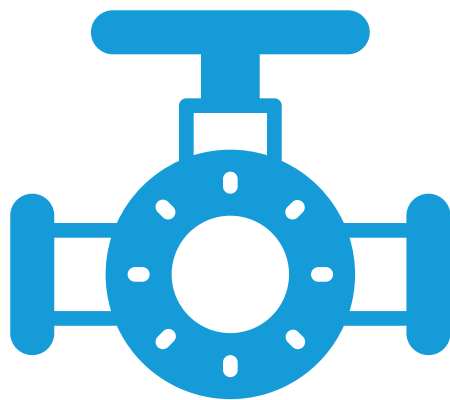
WATER TREATMENT



WE PROVIDE SOLUTIONS ON



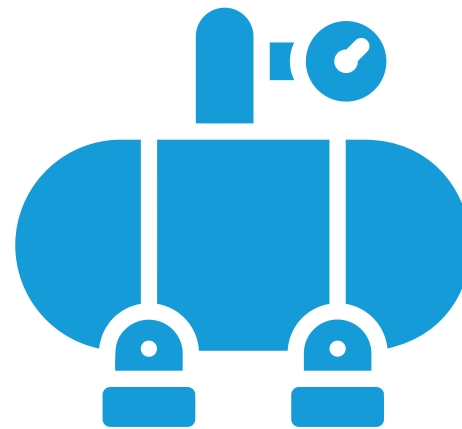
FACTORY AUTOMATION



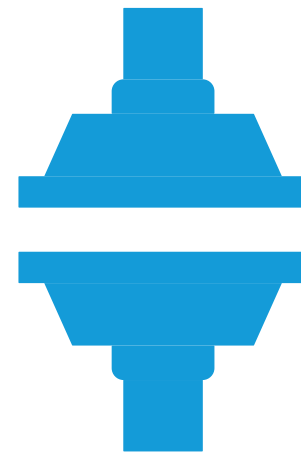
PROCESS AUTOMATION



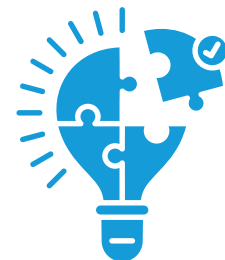
ELECTRIC AUTOMATION



EQUIPMENT DIVISION



HYDRAULIC DIVISION





OUR PRINCIPALS

FESTO

LINAK[®]
WE IMPROVE YOUR LIFE

piab



Lovato
electric

STABILUS

NetterVibration



ARGAL
PUMPS



LAPP



GLOBE AIRMOTORS B.V.



Innovative Ventiltechnik



EFFEBI



VALBIA

VALPRES



penta s.r.l.
metal seated ball valves

GHIBSON
valves

STÜBBE



italvalvole 48th
di SPADON OSCAR & C.



MIX Srl unipersonale
MIXING SYSTEMS AND
COMPONENTS FOR PLANTS



ORBINOX
VALVE SOLUTIONS IN MORE THAN 70 COUNTRIES



GHIDINI S.r.l.



Chicago
Pneumatic

pneumatech



Elektrotor
airsystems gmbh

JORC



MechVAL
PRECISION PERFORMANCE, VALVE SOLUTIONS



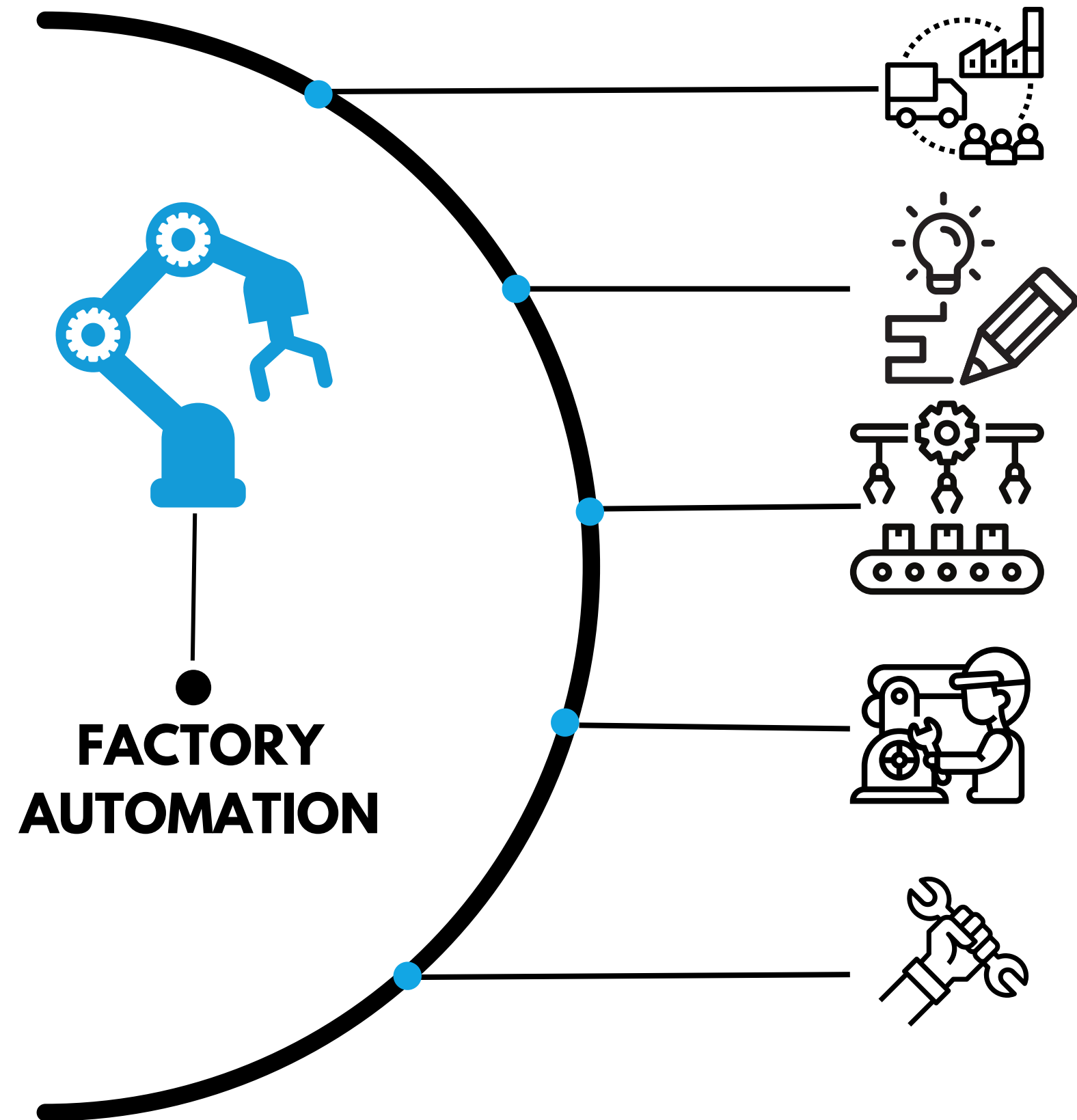
Mishel[®]
HYDRAULICS



MechAir[®]
ALUMINIUM PIPING SYSTEM

DUPLOMATIC
MOTION SOLUTIONS

elesa+Ganter[®]



**FACTORY
AUTOMATION**

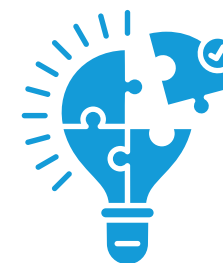
SUPPLY

DESIGN & AUTOMATION

SPM MANUFACTURE

INSTALLATION

SERVICE



FESTO

LINAK 
WE IMPROVE YOUR LIFE

STABILUS

ARGAL ITALY
PUMPS

 **GLOBE** AIRMOTORS B.V.

 **piab**

GSR  Innovative Ventiltechnik
Ventiltechnik

NetterVibration 

FESTO AG has pioneered many new product ideas and introduces more than a hundred new pneumatics products each year. These make up an intelligent, holistic system consisting of controllers, valves, valve terminals, cylinders, air preparation components, pneumatic modules and electrical / electronic controllers to complete automation systems.

You can choose from over 45000 FESTO products and turnkey pneumatic control systems, cylinder / valve combinations, application optimized pneumatics & programmable logic controllers (PLC) to suit individual needs.



SERVO DRIVE CMMT



STANDARD BASED CYLINDER



PRESSURE REGULATOR LR



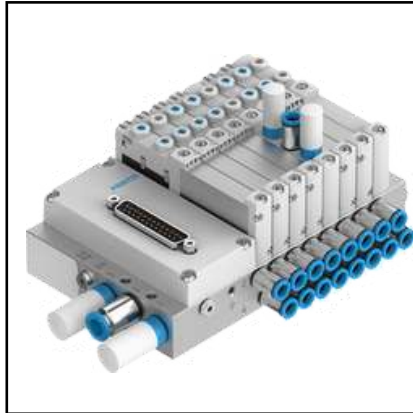
FLANGED PRESSURE GAUGE



SERVICE UNIT FRC



VALVE TERMINAL MPA



VALVE TERMINAL VTUG



VALVE TERMINAL VTUS



GUIDED DRIVE DFM



ELECTRIC CYLINDER ESBF



SERVICE UNIT COMBINATION MSB6



PRESSURE SENSOR



HANDLING SYSTEM



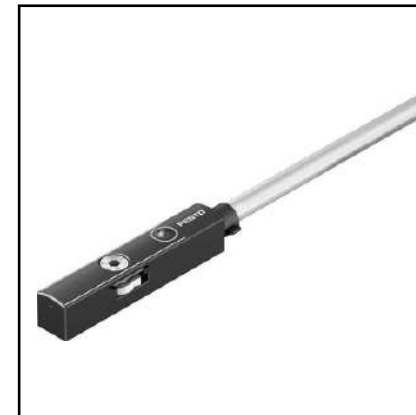
SEMI-ROTARY



PARALLEL GRIPPER



SILENCERS



PROXIMITY SENSOR



HAND LEVER VALVE



SPIRAL HOSE



TUBINGS



FITIINGS



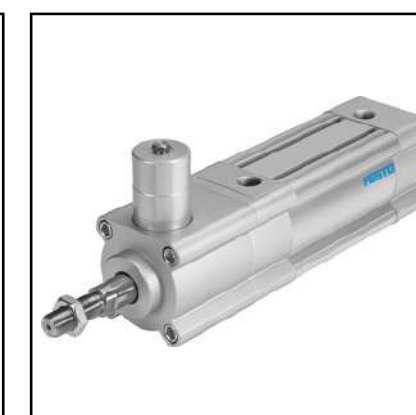
AIR GUN AND NOZZLE



COMPACT CYLINDER



CYLINDER WITH CLAMPING



CYLINDER WITH ACCESSORIES



SERVICE UNIT COMBINATION



DSBC CYLINDER



LINAK® 

WE IMPROVE YOUR LIFE

DENMARK

MEDILINE and CARELINE System

Hospital and Care Sectors



HOMELINE System

Domestic Furniture, Actuator systems for Leisure Beds, Recliners, Sofas and Massage Chairs



DESKLINE System



TECHLINE System

Industrial Actuator systems for mobile as well as stationary applications



APPLICATIONS

Business areas for electric linear actuators

Our actuators can be found anywhere, in homes, offices, hospitals, factories, farms, and much more. They bring movement to the office and to homes - adjustable desks, kitchen elements, beds, and couches.





STABILUS GERMANY

GROUP OF COMPANIES **HAHN** GASTEERN **ACE**



Lift-O-mat gas spring



Lift-O-mat PTL gas spring



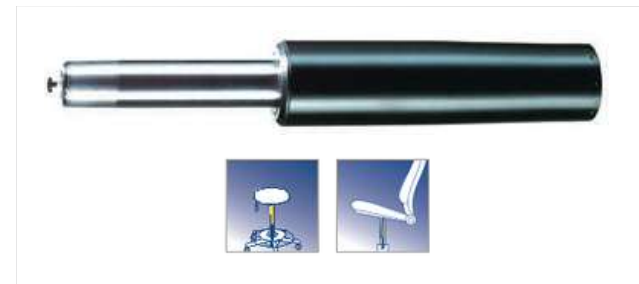
Inoxline gas spring



Bloc-O-lift gas spring



Stab-O-shoc gas spring



Stab-O-mat gas spring



Gas spring assembly programme



Stabilus gas springs,
gas struts &
dampers



Bloc-O-lift gas spring
with soft touch button



Lift-O-mat gas spring with locking tube

NetterVibration



VIBRATORS



Pneumatic Vibrators
PKL



Electric Vibrators
NEG



Electric Vibrators
NCT



Pneumatic Vibrators
NTK



Hydraulic Vibrators
NHG



CHEMICAL PUMPS



Air operated double diaphragm pumps



Quantum pumps polymer version
for water treatment and chemical processes



Stainless steel air operated double
diaphragm pump
(food grade)



Double hardness DURAFLEX cups – mark free



Friction cups for oily sheet metal



Pi GRIP bag lips detectable cups – FDA approved



metal & wood – markfree



Pi COMPACT vacuum generators with integrated functions



VGS Vacuum generator with suction cup - decentralized application



Pi CLASSIC vacuum pump



P6010 Heavy duty vacuum pump



Vacuum conveying system



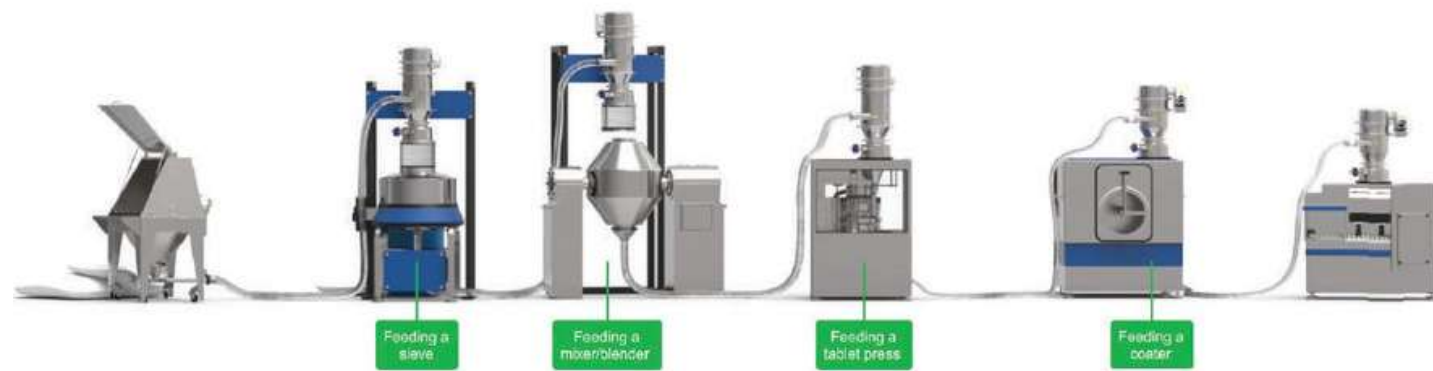
Pi FLOW conveyor for various industries



Conveyor vacuum pump



Filters



Reduce Product scrap & contamination

Small Footprint

Minimum Maintenance

Dust Free Working Environment

Vaculex



Vaculex is a world leading manufacturer of lifting systems based on vacuum technology. Our goal is to make your work

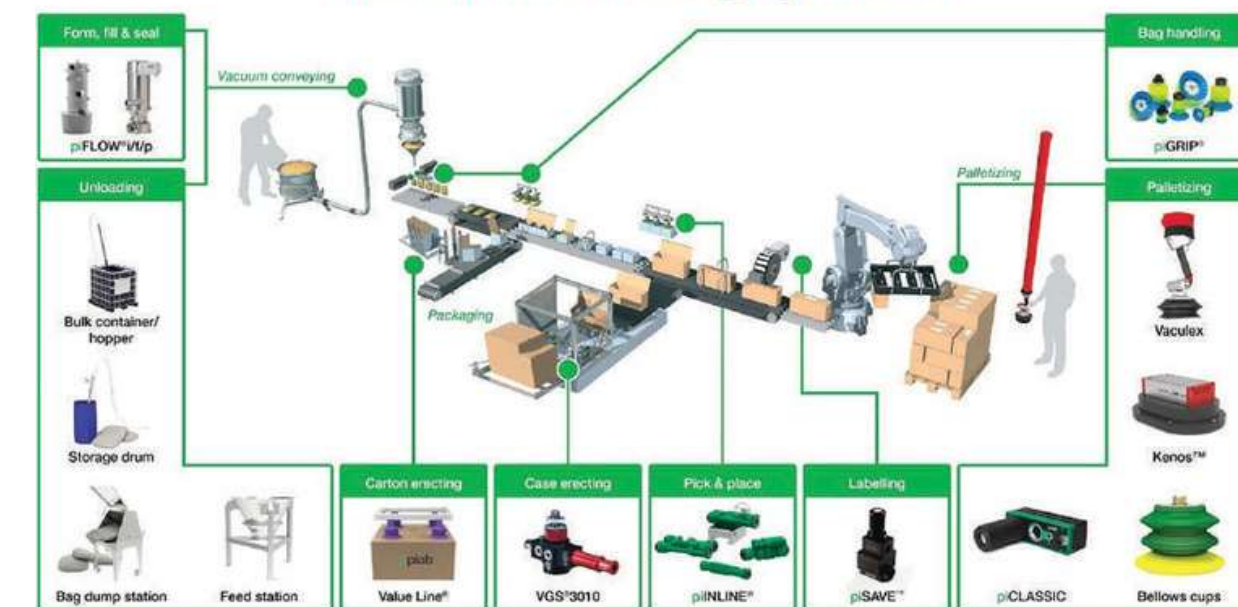
Kenos Vacuum Gripping Systems



Kenos® vacuum grippers are designed and optimized to be used in various applications e.g. packaging, wood, dimensions and compactness.

Applications and Solutions

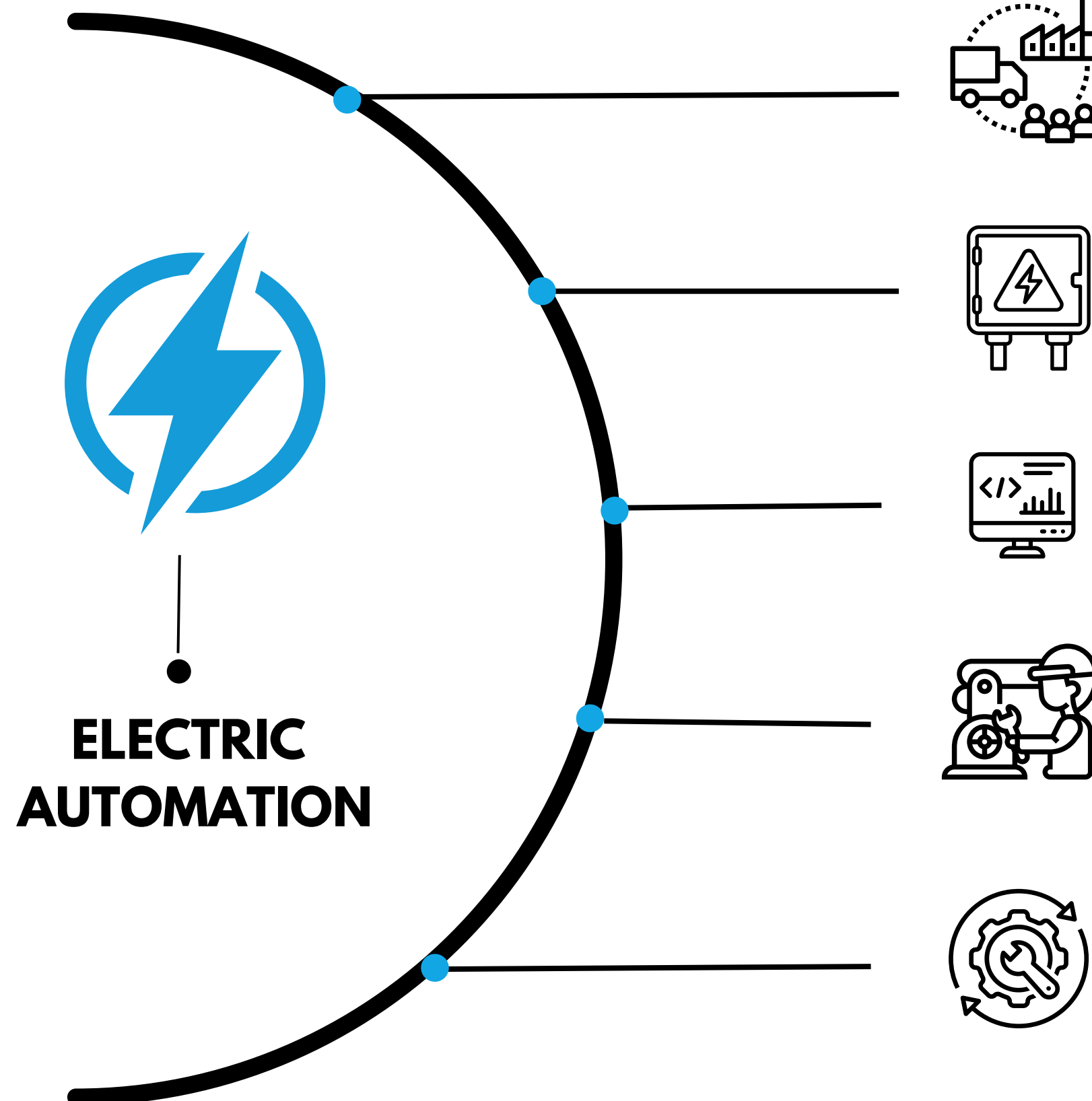
Vacuum in the Packaging Process



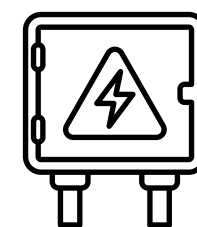


SPM PROJECTS & CONTROL CABINETS





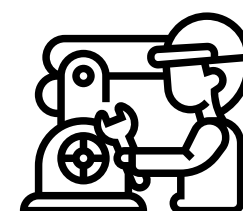
SUPPLY



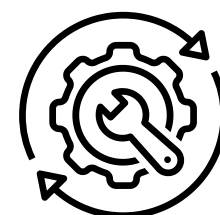
CONTROL PANELS



PLC & HMI PROGRAMMING

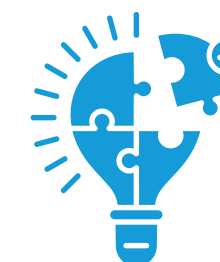


INSTALLATION & COMMISSIONING



MAINTENANCE

**ELECTRIC
AUTOMATION**





ELECTRICAL DEVICES FOR INDUSTRIAL APPLICATIONS

LOVATO Electric provides high-quality products for industrial control panels, photovoltaics, EV charging, indication lamps, and energy management, ensuring efficiency and reliability across industries.

EXPLORE THE LOVATO ELECTRIC COLLECTION

5 GROUPS **36** PRODUCT FAMILIES **21,000** CODES

MOTOR PROTECTION AND CONTROL



Motor Protection circuit breakers

Electronic and Electromechanical Starters

Variable Speed Drives

Solid State Relays

CONTROL AND SIGNALLING



Pushbuttons and Selector Switches

Signal towers and beacons

Limit, micro and foot switches

Rotary cam switches

CIRCUIT PROTECTION AND ISOLATION



Switch disconnectors

Miniature and residual circuit breakers

Surge protection devices

Earth leakage relays

APPLICATIONS



MACHINE BUILDERS (OEMS)



ENERGY MANAGEMENT



LIFTING SYSTEMS



E-MOBILITY



GENERATORS



PUMPS, IRRIGATION AND PIPING

AUTOMATION AND CONTROL



Time relays

General purpose relays

Micro PLCs and HMI

Automatic battery chargers

ENERGY MANAGEMENT



Energy meters and power analyzers

Automatic transfer switch controllers

Communication devices

Software and Apps

MECHATRONICS' CUSTOMIZED SOLUTIONS

We provide fully customized control panels tailored to your specific needs. From design and supply to panel assembly, commissioning, and maintenance, we've got you covered.

Thinking about **electrical solutions**?

Think **Mechatronics** — your ultimate problem solver!





elesa+Ganter 

Standard Machine Elements

EXPLORE THE ELESA & GANTER COLLECTION

HANDWHEELS & CRANKS



LINEAR MOTION



CONVEYOR & ROLLER COMPONENTS



HINGES & LATCHES



LEVELING FEET & CASTORS



Reliable Cable & Connectivity Solutions

LAPP delivers high-quality cables, connectors, and accessories for industrial automation, machinery, and robotics. Engineered for durability and efficiency, our solutions ensure seamless performance.

Choose LAPP for reliability you can trust!



ÖLFLEX®
Power and control cables



UNITRONIC®
Data communication systems



ETHERLINE®
Data communication systems for ETHERNET technology



HITRONIC®
Optical transmission systems



EPIC®
Industrial connectors



SKINTOP®
Cable glands



SILVYN®
Protective cable conduit systems and cable carrier systems



FLEXIMARK®
Marking systems



Automation



e-Mobility



Food & Beverage



Plant Engineering



Oil & Gas



Rail



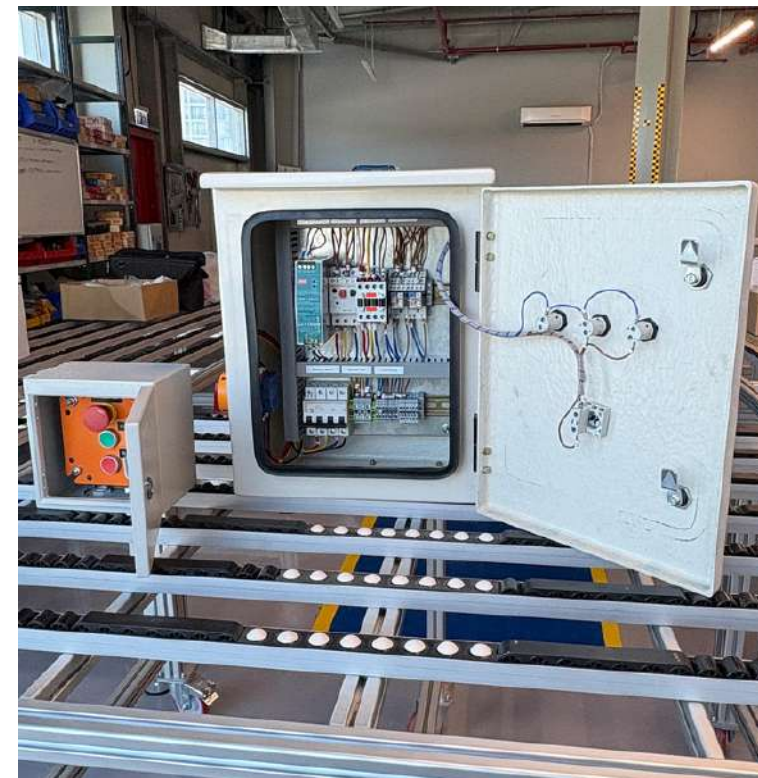
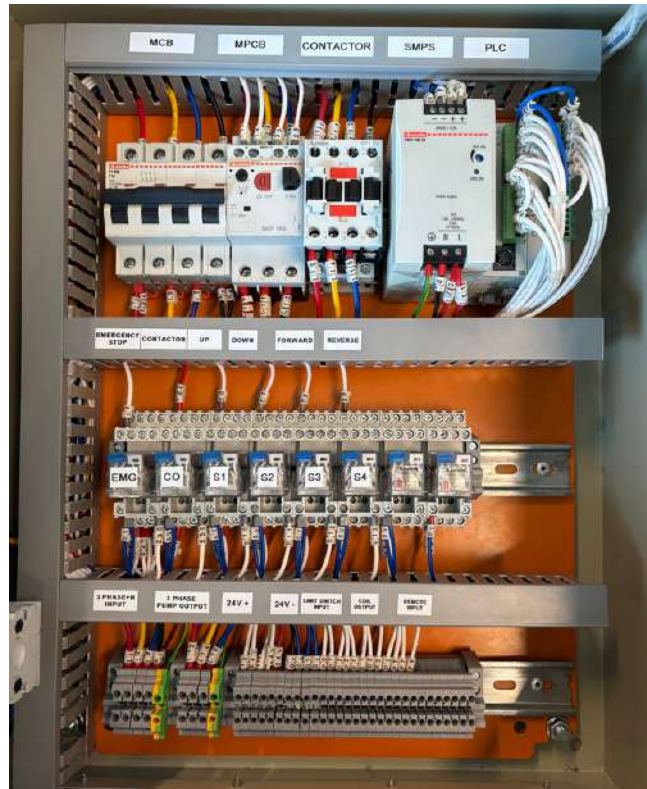
Solar Energy

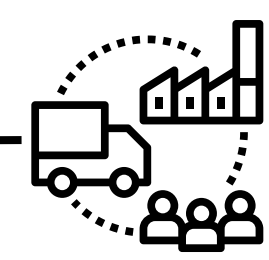
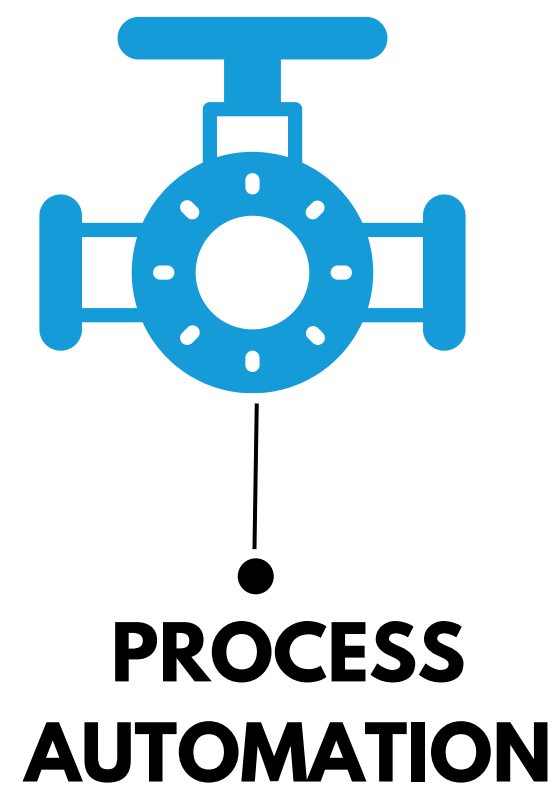


Wind Energy

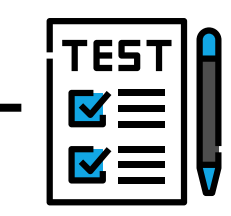


CUSTOMIZED ELECTRIC CABINET

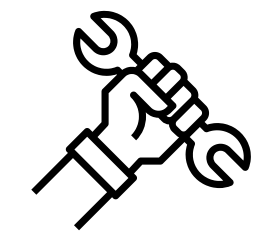




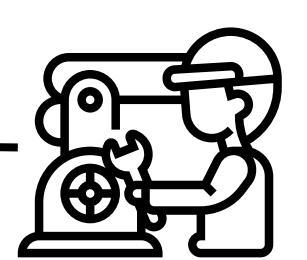
SUPPLY



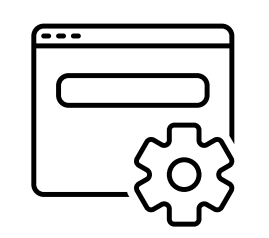
VALVE TESTING



SERVICING



INSTALLATION



MAINTENANCE



FESTO

EFFEBI

VALPRES

QUAM

VALBIA

penta s.r.l.
metal seated ball valves

IMT
SWITZERLAND

GIBSON
valves

FIP

STUBBE

4G GHIDINI S.r.l.

belven
Involved as promised

italvalvole 48th
di SPADON OSCAR & C.

MIX Srl unipersonale
MIXING SYSTEMS AND
COMPONENTS FOR PLANTS

ORBINOX
VALVE SOLUTIONS IN MORE THAN 70 COUNTRIES



RANGE OF VALVE WE SUPPLY AND SERVICE

- Gate Valves
- Globe Valves
- Ball Valves
- Butterfly Valves
- Plug valves
- Segmented control Valves
- V angle Valves
- Pinch Valves
- Dampers
- Valve Actuators



OIL AND GAS / FUEL AND PETROLEUM

- Oil processing
- Transportation
- Distribution
- Storage



POWER AND ENERGY

- RMS
- Energy
- Co-generation Power plant
- Hydropower Plant



WATER PLANT & PIPELINES

- Waste water & geothermal water
- sea water and Water treatment
- Hot Water
- Water Storage and transportation

FESTO AG has pioneered many new product ideas and introduces more than a hundred new pneumatics products each year. These make up an intelligent, holistic system consisting of controllers, valves, valve terminals, cylinders, air preparation components, pneumatic modules and electrical / electronic controllers to complete automation systems.



SINGLE AND DOUBLE ACTING ACTUATOR

features a gear rack and pinion combination with a constant torque characteristic across the entire swivel range. Sizes 10 to 2300. Suitable: butterfly valves, ball valves and air dampers.



POSITIONER

- Digital, electropneumatic positioner
- Simple and efficient position control of single- and double-acting pneumatic rotary and linear drives



SENSORBOX

Limit switch boxes SRBC are used for electrical feedback and control of the position of process valves actuated using pneumatic quarter turn actuators.



SOLENOID VALVE

- Namur connection pattern to VDI/VDE 3845
- Rotatable seal for 3/2- or 5/2-way valve
- Sturdy and powerful
- Extended temperature range



EXPLOSION PROOF SOLENOID VALVE

- A complete and comprehensive range with 5/2-way and 5/3-way valves
- Pneumatic connections G1/8, G1/4, G3/8



ELECTRONIC PROXIMITY SWITCH

For T-slot, can be inserted from above; commissioning without a power supply is quick, easy and very reliable, without the need for precision adjustment or re-adjustment, either via auto teach-in or programming



FILTER REGULATOR LUBRICANT

Depending on the application, combination of filter regulator, filter, lubricator, on/off valve, soft-start valve, branching module
Grid dimension 40mm

CUSTOMIZED CONTROL CABINET



THREAD BALL VALVE



3PC Ball Valve



2PC Ball Valve



1PC Ball Valve



3 Way Ball Valve

FLANGED BALL VALVE



3PC Flange valve



2PC Flanged Valve



1PC Flanged Valve



Wafer Flanged Valve

CUSTOMIZED VALVES



Control Valve



Metal Seat
Butterfly Valve



Trunnion
Ball Valve



Gate Valve

GATE & GLOBE VALVE



Gate Valve Flange



Globe Valve Flange
F/F



Globe Valve Flange



3PC Ball Valve
Press End



3PC Ball Valve
with Casting Handle

CHECK VALVE



Swing Check Valve



Spring Check Valve



Wafer Check Valve



Y-Type Check Valve



Sanitary Check Valve

Y-STRAINER



Y-Strainer with Plug



Y- Strainer Flanged



Ball Valve with
Extended Stem



Customized
Sanitary Valve



Quick Disconnects
and Coupling

PRESS BALL VALVE



PULP AND
PAPER



HVAC



MARINE AND
OFFSHORE



AGRICULTURAL



FOOD AND
BEVERAGE



OIL AND
GAS



WATER
TREATMENT



CHEMICAL
PROCESSING



POWER
GENERATION



PHARMA
CEUTICALS





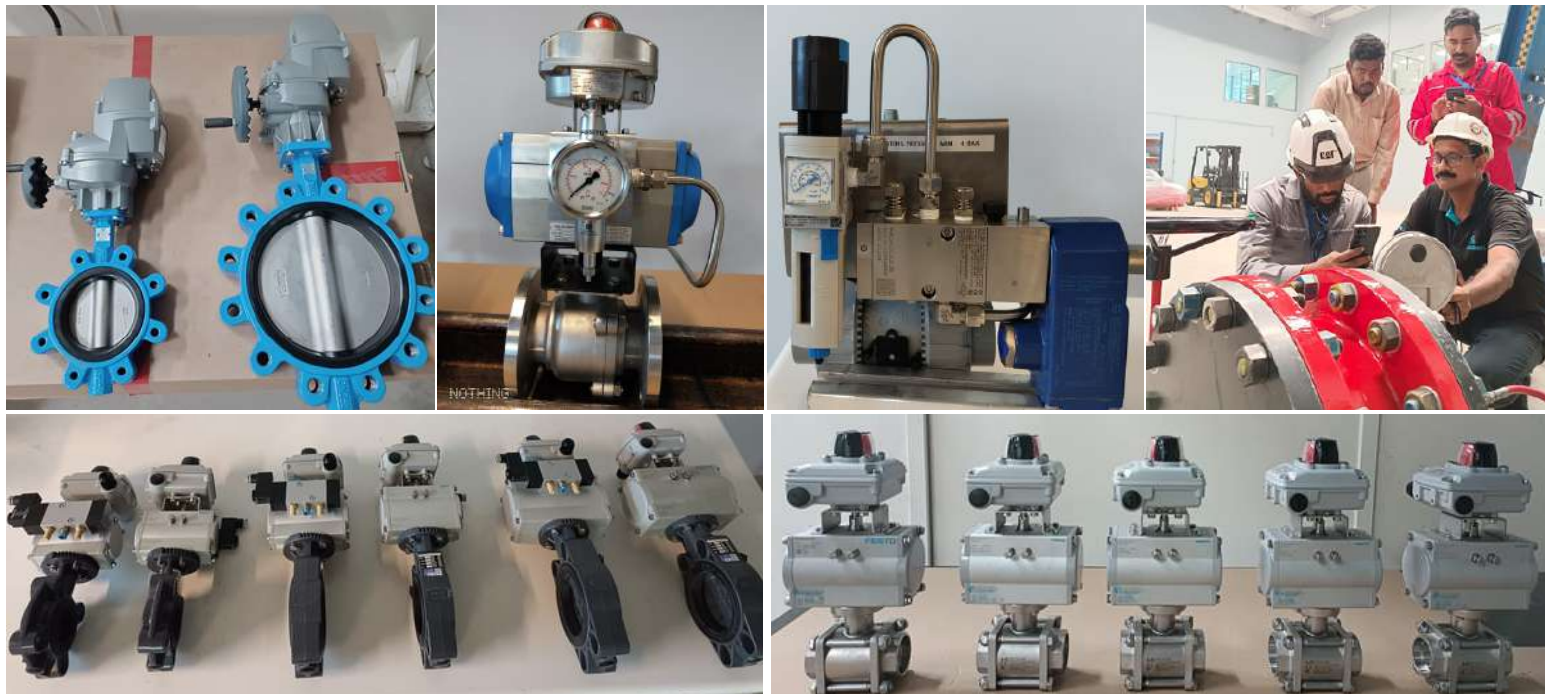
Tired of Manually Operating Valves?

MECHATRONICS OFFERS IMPACTFUL VALVE AUTOMATION SOLUTIONS

Valve automation uses actuators to operate valves automatically, ensuring precise control and efficiency across various applications. This technology enhances remote operation, safety, and system performance.

Our Services Include:

- Customized Valve + Actuator Integration
- Testing
- Repair and Maintenance



EXPERTISE

Our engineers are factory-trained and equipped with the latest product knowledge, ready to tackle industry challenges. We specialize in new product installations, valve integration, and preventive maintenance of existing equipment.



OUR OFFERINGS

As representatives of reputed products and principals in the UAE, Mechatronics provides a comprehensive range of solutions, including manual valves, actuators, customized integrations, and various flow control solutions.

WHY CHOOSE US?



24/7 Service Support



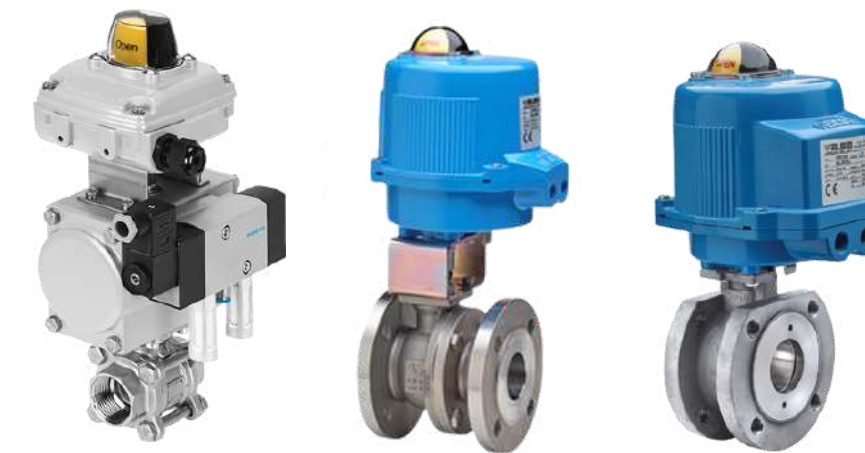
Onsite / Offsite Service



One-stop Solution provider



Multi-brand custom integrations



Efficiency

Consistent, precise control reduces errors



Safety:

Reduces human intervention risk



Cost Savings:

Lowers labor and maintenance costs



Reliability:

Ensures critical process dependability



Scalability:

Easily adaptable to varying operational demands



Valbia was founded in 1995 and it is the only company in Italy specialized in the production and in the international distribution of electric and pneumatic actuators.

After more than 25 years, success is constant, thanks to a complete range in continuous expansion which includes not only actuators but multiple combinations of automated valves, suitable for the most different kinds of applications.



ELECTRIC ACTUATORS

MOD: VB030

Torque: 30

Voltage: 12 AC/DC - 240V AC



ELECTRIC ACTUATORS

MOD. VB350M

Torque: 350

Voltage: 12 AC/DC - 240V AC

Speciality for : Oil And GAs



2 WAY WAFER BALL VALVE



2 WAY ELECTRIC PACKAGES



3 WAY ELECTRIC PACKAGES



3 WAY POLISHED BALL VALVE



EFFEBI, ® with fifty years' experience in the production of brass valves, has operated in all fields of civil and industrial engineering, offering a vast range of increasingly innovative and tested shut-off valves.



BALL VALVES-MOON SERIES-3WAY

- PTFE+15% GLASS FIBRE: + 190° C.
- PTFE+CARBOGRAPHITE: + 200° C
- Ball with relief hole
- PN40 DN65 - DN100.



BALL VALVES-MOON SERIES- OT58

- PRESSURES: PN16.
- TEMPERATURE: -20° C / +150° C for fluids
20° C / + 60° C for gas.
- CONNECTIONS with flanges: UNI-EN 1092 and
DIN 2501 BL.1.



BALL VALVES FLAT BODY FLANGE TYPE

- PTFE+ 15% GLASS FIBRE + 190° C.
- PTFE + CARBOGRAPHITE +200° C
- Special thread: UNC
- Heating jacket (see MOON CR)



BALL VALVES-TITAN

- PRESSURES: PN140 1/4" - 1"
PN100 1"1/4 - 2".
- TEMPERATURE LIMITS:-20° C / +150° C (PTFE)
- CONNECTION: F/F Rp UNI ISO 7/1 (UNI EN
10226.



VALVES WITH PNEUMATIC ACTUATOR

- STANDARDS: BS EN 593 - (BS 5155) - MSS
SP67 - API 609.
- TEMPERATURE: -20° C / +90° C.
- MAXIMUM SUPPLY PRESSURE: 10 bar.



VALVES WITH ELECTRIC ACTUATOR

- ROTATION ANGLE:90°.
- TEMPERATURE LIMITS: -20° C / +70° C.
- SUPPLY VOLTAGE:24 - 240V.*
- PROTECTION DEGREE: IP67



BALL VALVES-ANTARES

- PTFE+CARBOGRAPHITE: use up to +200° C
- Peek for high temperatures up to +260° C
- Body, body flange, stem ,ball made of AISI
316L



BALL VALVES FOR GAS

- The ATHENA series is particularly
recommended in gas installations.
- TEMPERATURE LIMITS: from -20° C to +60° C
- PRESSURE LIMITS: MOP5



Belven is a Belgium based company with over 40 years of experience in valves production.
We are present in over 50 countries and have solutions for both the building and the industrial market.



BUTTERFLY VALVES-BARE SHAFT

Wafer type butterfly valve,
mounting between flanges
PN10/PN16/A150, bare shaft



BUTTERFLY VALVES-DOUBLE ACTING

Wafer type butterfly valve,
mounting between flanges
PN10/PN16/A150, with double
acting actuator



BUTTERFLY VALVES-GEARBOX

Wafer type butterfly valve,
mounting between flanges
PN10/PN16/A150, with gearbox



BUTTERFLY VALVES-LEVER

Wafer type butterfly valve,
mounting between flanges
PN10/PN16/A150, with lever



KNIFE GATE VALVES-HANDWHEEL + POSITION INDICATION

Knife gate valve, uni-directional,
to be mounted between flanges
PN10, with rising stem, position
indicator and non-rising handwheel



GATE VALVES-HANDWHEEL

Gate valve, flanged PN16,
resilient seated, F4 short face to
face, with handwheel



GATE VALVES-HANDWHEEL

Gate valve, flanged PN16,
resilient seated, F4 short face to
face, with handwheel



GATE VALVES-BARE SHAFT

Gate valve, flanged PN10,
resilient seated, F5 short face to
face, bare shaft with ISO 5211
flange for automation



BALL VALVES - DOUBLE ACTING

Ball valve, full bore, split body,
flanged PN16, with double acting
actuator



BALL VALVES-BARE SHAFT

Ball valve, full bore, split body,
flanged PN10/PN16/PN40, bare
shaft



BALL VALVES-LEVER

Ball valve, full bore, split body,
flanged PN10/PN16/PN40, with
lever



KNIFE GATE VALVES-LEVER

Knife gate valve, uni-directional,
to be mounted between flanges
PN10, with quick opening lever



VALPRES

ITALY

Valpres, born in 1978, has built its corporate identity on values such as experience, reliability and innovation. The main goal has always been to put the customer at the center of the entire supply chain, from production to delivery, always aiming for their complete satisfaction.

Over the years, the energy division, which produces customized valves for the Oil&Gas and renewable energy sectors, joins the industrial one. A continuous challenge to be reliable protagonists and partners also in the ecological transition.

**BUTTERFLY VALVE
BUTTERFLY VALVE WAFER TYPE PN16**



**WAFER BALL VALVES
FULL BORE FLANGED BALL VALVE PN16**



**3 WAY BALL VALVE
STAINLESS STEEL , FOUR SEALS, FEMALE
THREADS.**



**3 WAY BALL VALVE
FLANGED PN16 DIVERter BALL VALVE,2SEATS**

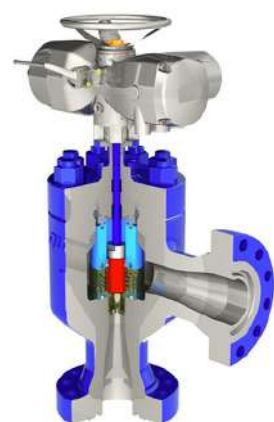


**3 WAY BALL VALVE
FLANGED PN16 DIVERter BALL VALVE,4SEATS**





QUAM s.r.l. has been a market leader operating since 2001 in the design, manufacturing and supply of complete Wellhead Equipment for the Upstream Onshore and Offshore Oil and Gas Industry, including API 6A Valves and WELL Protection Systems. QUAM is a customer oriented company and a short lead-time manufacturer specializing in fast track projects and Severe Service applications.



CHOKE VALVES -D/M SERIES

The QUAM Multistage Choke Valves -D/M Series is used where high pressure drops and high fluid velocity might cause cavitation issues, high noise levels, excessive vibrations, etc.



GATE VALVE GAV-ELE SERIES

The QUAM GAV-ELE Series is a Full bore through conduit Slab Gate Valve complete with Rising Stem Electric Actuator. GAV-ELE is the typical Electric Gate Valve suitable for installation on Christmas Trees, Choke & Kill or Production Manifolds.



GATE VALVE GAH-SDV SERIES

The QUAM GAH-SDV Series is an Full bore through conduit Slab Gate Valve. GAH-SDV is the typical API-6A Hydraulic Gate Valve suitable for installation on Christmas Trees, Choke & Kill or Production Manifolds.



QUAM MECHANICAL HIPPS SYSTEM

QUAM mechanical High Integrity Pressure Protection System is a self-contained equipment suitable for applications where no external power sources are available.



QUAM ELECTRONIC HIPPS

Considerably reduces overpressure process risks and environmental impacts with lower weight and cost for piping and vessels downstream the system itself.

BALL VALVES MADE IN ITALY

OVER 45 YEARS OF BALL VALVES ENGINEERED FOR CUSTOMER PURPOSES

Since 1977 Penta has been a leading company in the metal seated ball valves sector for extreme temperatures, in fact, its products are synonymous of Quality and Reliability as the result of constant investment in Research and Development of technological solutions without equal in the sector.



2-PIECE THREADED BALL VALVE FOR MEDIUM TEMPERATURES

DIMENSION RANGE: DN 1/2" - DN 2"
CONSTRUCTION: Floating Ball, Full Bore, 2-piece threaded
TEMPERATURE RANGE: -50°C / +400°C



WAFER BALL VALVE FOR MEDIUM TEMPERATURES

DIMENSION RANGE: DN 1/2" - DN 6"
CONSTRUCTION: Floating Sphere, Full Passage, Wafer
TEMPERATURE RANGE: - 50°C / +400°C



BALL VALVE FOR ABRASIVE SERVICES

CONSTRUCTION: Floating or Trunnion Ball, Full or Reduced Passage, Split Body
SIZE RANGE DN 1/2" - DN 6"
TEMPERATURE RANGE: - 100°C / +400°C



METAL SEATED BALL VALVES FOR CRYOGENIC

DIMENSION RANGE: DN 1/2" - DN 10"
CONSTRUCTION: Floating or Trunnion Ball, Full or Reduce Bore, Split Body.
TEMPERATURE RANGE -200°C / +700°C



METAL SEATED BALL VALVE FOR HIGH TEMPERATURE

DIMENSION RANGE: DN 1/2" - DN 18"
CONSTRUCTION: Floating or Trunnion Ball, Full or reduce Bore, Split Body
TEMPERATURE RANGE: 100°C / +720°C



VALVE TESTING

During our testing procedures, we conduct Pressure tests using Hydro, Pneumatic, and Nitrogen methods across a wide range of valve sizes, from 1/4" to 48".

Our comprehensive testing covers various valve types, including

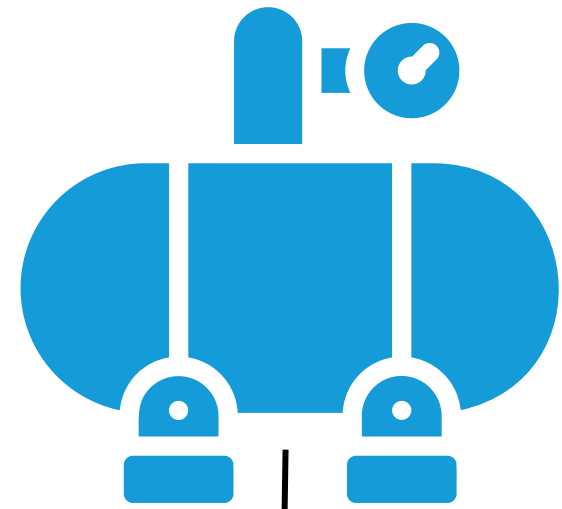
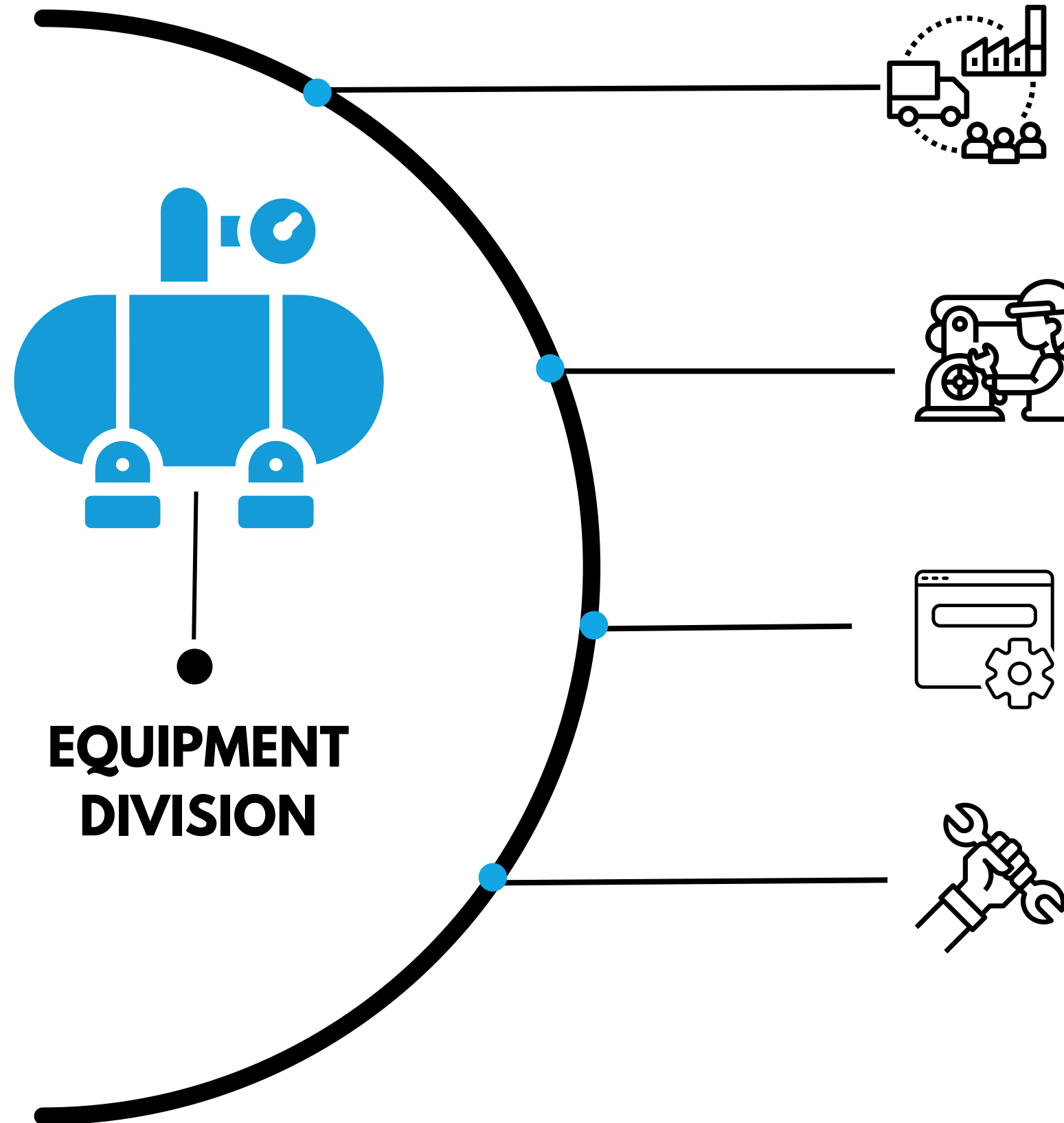
- Ball Valves
- Butterfly Valves
- Gate Valves
- Globe Valves
- Plug valves
- Check Valves
- Steam trap
- Strainer





SUPPLY AND SERVICING OF PROCESS VALVES

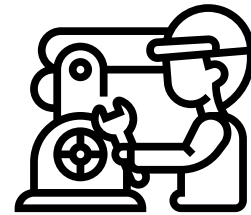




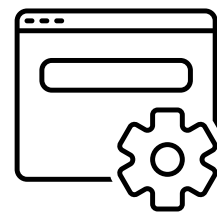
**EQUIPMENT
DIVISION**



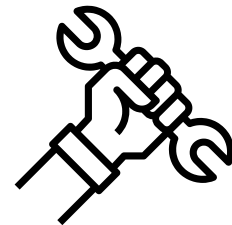
SUPPLY



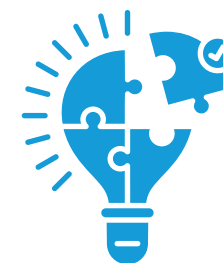
INSTALLATION



MAINTENANCE



SERVICING





ROTARY SCREW COMPRESSOR



SILENT

⚙️ GEARBOX DRIVEN SCREW COMPRESSOR ➡️ CONTINUOUS 🔊 SILENT 69-74 Db (A) ⌚ 3840-15720 I/MIN

⚙️ 40-125HP / 30-90K 📏 7-13 bar / 100-190psi ⚖️ 760-1570 kg

INVERTOR DRIVEN COMPRESSORS CPVS SERIES 30 – 110 KW / 40 – 150 HP



ROBUST AND POWERFUL COMPRESSOR WITH INTEGRATED SOLUTIONS

- 1 FILTERATION PANEL
- 2 EMERGENCY STOP
- 3 CONTROLLER
- 4 AIR COOLER
- 5 OIL COOLER
- 6 OIL-SEPARATOR VESSEL
- 7 INVERTER
- 8 INTEGRATED DRYER

AIR FILTER



OIL - WATER SEPERATOR



- 🌀 OIL FILTER
- ➡️ CONTINUOUS
- 🔥 FILTERATION
- 📏 43-2430 m3/h
- ⌚ 16 Bar
- ⚖️ 1, 0-12, 16kg

COMPRESSED AIR PURITY STANDARD TO ISO 8573 : 1:2010

RECIPROCATING COMPRESSOR



Direct Driven
🔧 1,5 - 3 hp ⌚ 8- 10 bar



One Stage
🔧 2 - 4 hp ⌚ 10 bar



Two Stage
🔧 2 - 2.5 hp ⌚ Models upto 15 Bar

REFRIGERANT DRYERS

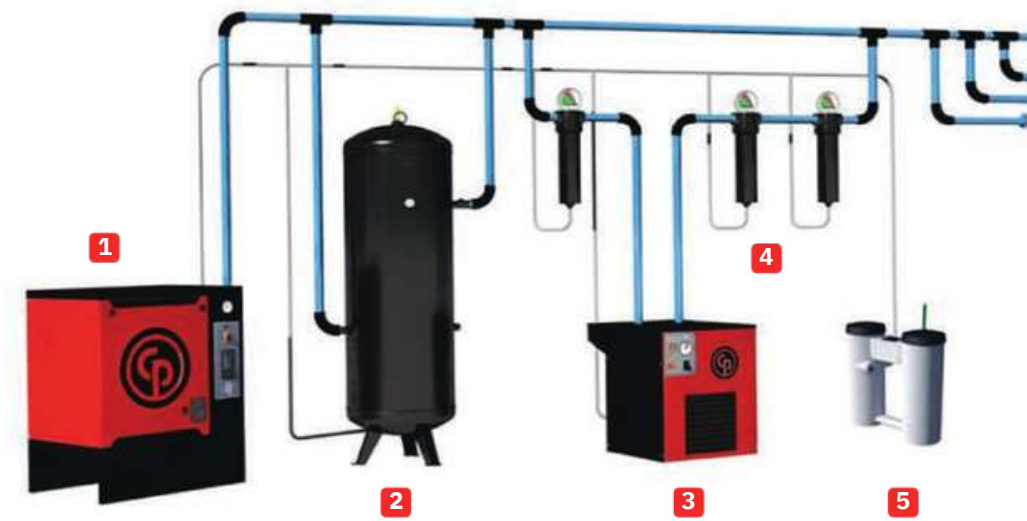


INNOVATIVE DESIGN CONCEPT

- 1 Refrigerant Compressor
- 2 Condenser
- 3 Heat Exchanger With High Thermal Exchange and Low Pressure Drop
- 4 Automatic Condensate Discharge
- 5 Electronic Dew Point Indicator

❄️ Refrigerant Dryer 🔧 Continuous 🔥 Dry 🔊 Silent: 47 - 74 dB(A) 📏 21 - 5040 m3/h 🔧 0 - 13, 12 - 3kW ⌚ 13 or 16 bar ⚖️ 19 - 650 kg

COMPLETE TURNKEY SOLUTION



1 Compressor 2 Air Tank 3 Refrigerant Dryer 4 Filter 5 Oil-water Separator





CP Compact angle die grinder



CP Die grinder



CP Great performance impact wrenches



CP Industrial angle grinder



CP Industrial angle grinder



CP Lightweight angle grinders



CP One hand control die grinder



CP Series die grinder



CP Compact angle die grinders



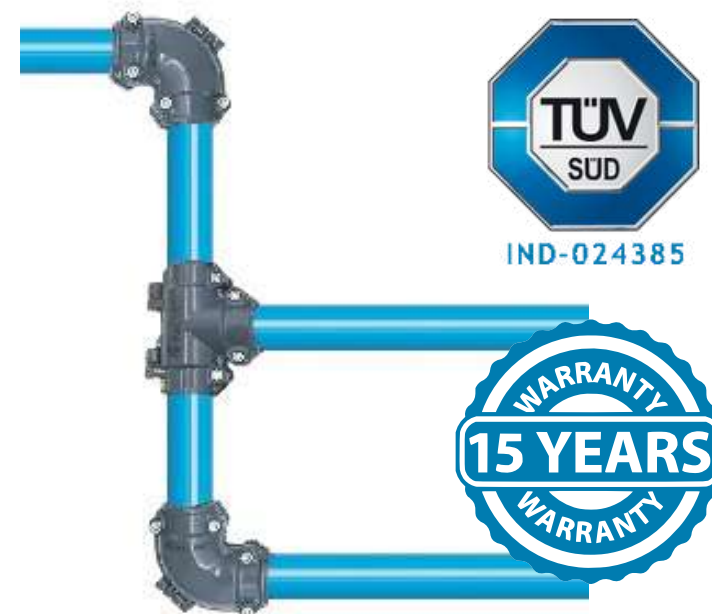
CP Mini air drill



CP Composite Impact Wrench

Product Specification

MechAir Superior Aluminium Air Pipes



(5.8m / 19.02 ft.)

Resistance to:

- ▶ Ultraviolet rays
- ▶ Mineral and synthetic
- ▶ compressor lubricants
- ▶ Environmental weather conditions
- ▶ Mechanical Shocks



Aluminium Fittings



Power Saving



Fire Retard



Quick Installation



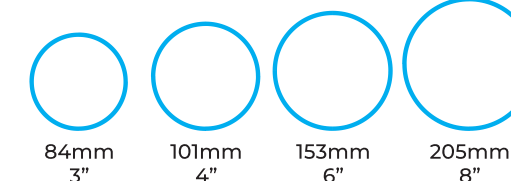
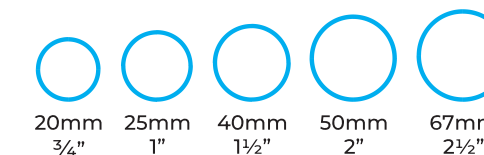
No Leakage



With Auto Drain



Corrosion Free



Compatible Fluids:

- ▶ Compressed air
- ▶ Vacuum
- ▶ Inert Gas

Fire Resistance:

- ▶ The system does not stroke or propagate any fires
- ▶ High quality powder coated exterior

General Technical Specifications:

- ▶ Max. working pressure: 16 bar
- ▶ Working Temperature: -20°C, +80°C
- ▶ Vacuum : 0.13 bar (absolute pressure)
- ▶ Extruded Aluminium Alloy : 6063/T6 (according to EN 755.2, EN 573.3)
- ▶ Internal and external corrosion free coating



www.atlascopco.com/vacuum

DZS Mono-Claw & DZM Multi-Claw Vacuum & Low Pressure Solutions

A complete multi-claw vacuum pumping system in a box. A solution perfectly designed to meet your larger process demands with a central vacuum system based on the renowned Atlas Copco compressor philosophy.

completely controllable system ranging from 44 to 1,230 m³/h integrated into one cabinet with a simple 'plug & play' concept.



DZS 300 V Claw
Multi-Claw Vacuum System

Oil-Sealed Rotary Vane Vacuum Pumps

The GVS 16-630 A series operates according to the proven oil-sealed rotary vane principle that has been successfully used for many years in all general industrial vacuum applications. The GVS 16-630 A series is a robust and highly regarded product coming from a technologically advanced market leading design.



GVC500-P2-100B

Oil-Sealed Rotary Screw Vacuum Pumps

Innovative, Intelligent Vacuum Pumps

The GHS VSD+ Series vacuum pumps are ideal for a wide range of applications in canning, glass bottle and container production, packaging, pipeline drying, pick and place and many more. These vacuum pumps consume approximately 50% less energy than alternative technologies. They are among the most

market in the capacity range where some other technologies.



GHS 350-5400
VSD+



www.pneumatech.com

Desiccant Dryers



Pneumatech PH series



PB Series - blower purge desiccant dryers



PB Series - zero purge desiccant dryers



PE Series - heated purge desiccant dryers



PH Series - welded heatless dryers

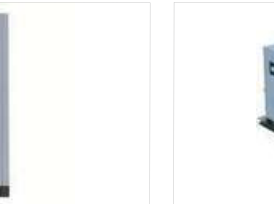
Gas Generators



PMNG Series - membrane nitrogen generator



PPNG Series - PSA nitrogen generators



PPNG Skid



PPOG Series - PSA oxygen gas generators



www.omi-italy.it



Energy saving air dryers



Standard filter



Adsorption dryers



Oil water separator



High temperature dryers



High Temperature filter



High pressure air dryers



Differential Pressure Gauge



After coolers



ALPS filter



Water chiller

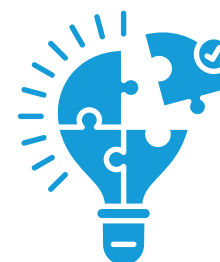
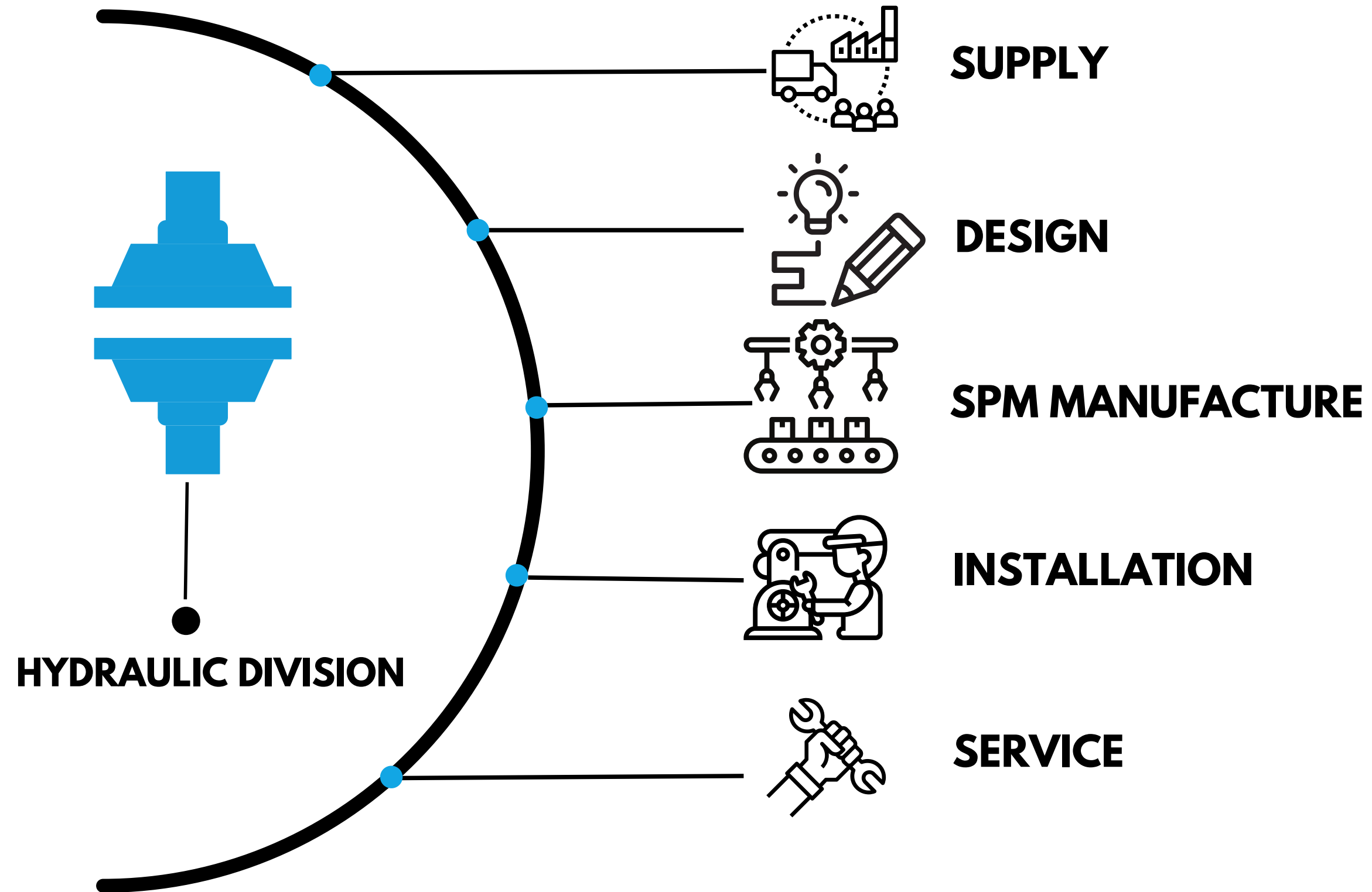


Air water cooler



COMPRESSORS AND AIR PIPELINES





Mishel Hydraulics is leading manufacturer of Standard and Custom-built hydraulic cylinders.

Custom hydraulic cylinders play a key role of our business.

Mishel Hydraulics' s in-house application and design team ensures that the features and materials for each product will be best design as per application.

Cylinder Sizes

- Bore Sizes-40mm to 350mm
- Maximum Stroke Length-Up to 3000mm
- Operating Pressure- Up to 350 Bar



Integrated Valve options

- Counterbalance
- Solenoid Control
- Pilot operated check valve
- LVDT
- Proximity Sensor



Hydraulic Cushions

- Front and Rear Cushions
- Fixed and adjustable
- Progressive deceleration profile

Mounting Options

- Flange
- Clevis
- Trunnion
- Foot Mount



Our Scope Of Product



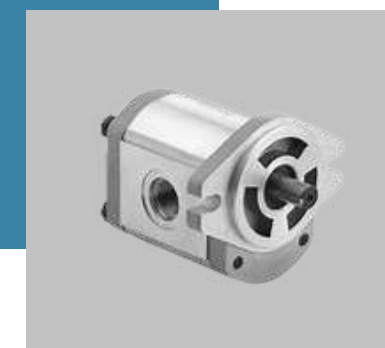
Hydraulic Cylinders



Hydraulic Motors



Hydraulic Power Packs



Hydraulic Pumps



Hydraulic Valves



EPE Process Filters & Accumulators Pvt. Ltd., was established in 1992, for manufacture of Hydraulic & Process Filters and Hydro - Pneumatic Accumulators in India.



ACCUMULATORS



Since 2003, JND Hydraulics leads domestically with quality and competitive pricing, driving significant growth internationally too.



COMPACT POWER PACKS



Started in 1988 with construction equipment parts, ANCA began making hydraulic cylinders in 1997. Now, it produces 700 bar cylinders, ranging from 5 tons to 1200 tons.



700 BAR PRODUCT GROUP



With 55+ years in hydraulics, OMT GROUP is a modern and versatile enterprise. Its diverse product range enables solutions for various hydraulic needs.





HYDRAULIC PROJECT





MECHATRONICS GROUPS

HEAD QUARTERS

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E-mail: contact@mechatronicsqatar.com
www.mechatronicsqatar.com

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Mob: +971 54 582 2678
P O Box: 19104, Dubai - United Arab Emirates
Email: info@flowlinestechonology.com
www.flowlinestechonology.com

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www.mechatronicscontrol.com

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Telephone: +91 4427176161
Contact : +91 90434 66335
No.S14, Sipcot Industrial park, Sriperumbudur,
Kanchipuram district, Tamilnadu - 602105.
Mail Id : info@mishelhydraulics.com



ISO CERTIFICATE

CERTIFICATE EMS

نظام إدارة البيئة

EMS CERTIFICATE

Certificate of Registration



This is to certify that
the Environment Management System of

MECHATRONICS INDUSTRIAL EQUIPMENT L.L.C.

P.O.Box:19104,
Al Qusais Industrial Area 1, Dubai, United Arab Emirates.

Has been independently assessed and is compliant with the requirements of

ISO 14001:2015

(Environmental Management System)

This Certificate is applicable to the following product or services ranges:

Water Cooling & Heating Equipment Trading, Water Desalination Equipment Trading, Inspection & Testing Equipment Trading, Measuring & Control System Installation, Solar Energy Systems & Components Trading, District Cooling Services, Industrial Plant Equipment & Spare Parts Trading, Electromechanical Equipment Installation and Maintenance, Pumps, Engines, Valves & Spare Parts Trading, Water Treatment & Purification Equipment Trading.

CERTIFICATE NO: AE 1000096/02/E

Date of this Certificate	30 OCT 2023	Date of Initial Registration	30 OCT 2023
Date of Certificate Expiry	29 OCT 2026	Re-certification Due	29 OCT 2026

Signature

Director



Issue No.01



This certificate is property Of LEMS and remains valid subject to satisfactory surveillance audits. Certified organization is responsible for maintaining the compliance of relevant standard rules. Any significant changes in the scope of the certification or standard referred above renders this certificate invalid.

LEMS QUALITY & STANDARDIZATION CERTIFICATES ISSUING SERVICES
www.lemscert.com

Accreditation Service For Certifying Bodies LLC (ASCB)
8 The Green, Dover, DE, 19901, United States.

Accreditation service for certification bodies, LLC (ASCB) has assessed LEMS as a certifying body for compliance with ISO 17021:2015 conformity assessment. This certificate can be verified on www.lemscert.com

CERTIFICATE QMS

نظام إدارة الجودة

QMS CERTIFICATE

Certificate of Registration



This is to certify that
the Quality Management System of

MECHATRONICS INDUSTRIAL EQUIPMENT L.L.C.

P.O.Box:19104,
Al Qusais Industrial Area 1, Dubai, United Arab Emirates.

Has been independently assessed and is compliant with the requirements of

ISO 9001:2015

(Quality Management System)

This Certificate is applicable to the following product or services ranges:

Water Cooling & Heating Equipment Trading, Water Desalination Equipment Trading, Inspection & Testing Equipment Trading, Measuring & Control System Installation, Solar Energy Systems & Components Trading, District Cooling Services, Industrial Plant Equipment & Spare Parts Trading, Electromechanical Equipment Installation and Maintenance, Pumps, Engines, Valves & Spare Parts Trading, Water Treatment & Purification Equipment Trading.

CERTIFICATE NO: AE 1000096/01/Q

Date of this Certificate	30 OCT 2023	Date of Initial Registration	30 OCT 2023
Date of Certificate Expiry	29 OCT 2026	Re-certification Due	29 OCT 2026

Signature

Director



Issue No.01



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LEMS QUALITY & STANDARDIZATION CERTIFICATES ISSUING SERVICES
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Accreditation service for certification bodies, LLC (ASCB) has assessed LEMS as a certifying body for compliance with ISO 17021:2015 conformity assessment. This certificate can be verified on www.lemscert.com

CERTIFICATE OHSMS

نظام إدارة الصحة والسلامة

OHSMS CERTIFICATE

Certificate of Registration



This is to certify that
the Occupational Health & Safety Management System of

MECHATRONICS INDUSTRIAL EQUIPMENT L.L.C.

P.O.Box:19104,
Al Qusais Industrial Area 1, Dubai, United Arab Emirates.

Has been independently assessed and is compliant with the requirements of

ISO 45001:2018

(Occupational Health & Safety Management System)

This Certificate is applicable to the following product or services ranges:

Water Cooling & Heating Equipment Trading, Water Desalination Equipment Trading, Inspection & Testing Equipment Trading, Measuring & Control System Installation, Solar Energy Systems & Components Trading, District Cooling Services, Industrial Plant Equipment & Spare Parts Trading, Electromechanical Equipment Installation and Maintenance, Pumps, Engines, Valves & Spare Parts Trading, Water Treatment & Purification Equipment Trading.

CERTIFICATE NO: AE 1000096/03/H

Date of this Certificate	30 OCT 2023	Date of Initial Registration	30 OCT 2023
Date of Certificate Expiry	29 OCT 2026	Re-certification Due	29 OCT 2026

Signature

Director



Issue No.01



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www.lemscert.com

Accreditation Service For Certifying Bodies LLC (ASCB)
8 The Green, Dover, DE, 19901, United States.

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Thank You
F o r Y o u r A t t e n t i o n



Visit Our Website

www.mechatronics.ae

