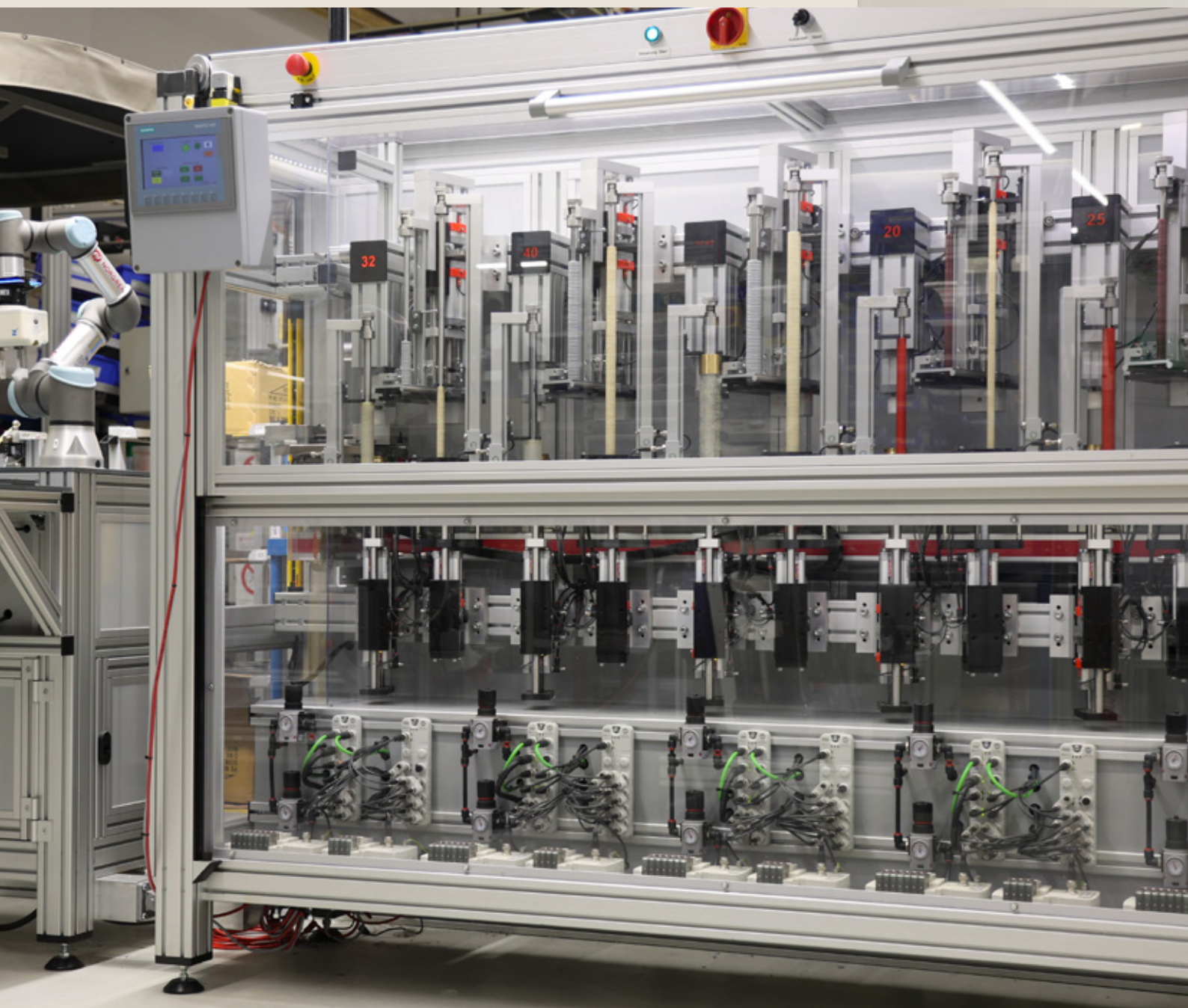


Industrial Automation

Product Overview

Breakthrough
engineering for
a better world



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Breakthrough engineering for a better world

We create solutions for our customers which enable smarter, safer, more productive and sustainable factories, production lines and warehouse operations. Our pneumatic and electric motion systems help machine builders and end users around the world automate and optimise manufacturing and warehousing processes.

We have partnered with customers in industrial automation for over a century, applying our experience and innovation to create lasting value for their businesses. Our solutions support critical industries such as automotive, food and beverage, pharmaceuticals and even the space industry. We support the automation of precision manufacturing, product assembly, testing and packaging.

We use the latest digital technologies in our automation products and constantly innovate in close partnership with our customers. By applying our deep expertise, we can solve their toughest automation challenges, today and tomorrow. Through increased productivity, efficiency and safety, our customers can serve their own customers better, creating sustainable competitive advantage and delivering growth.

Our world-class product portfolio includes IMI Norgren, IMI Bimba, IMI Bahr and IMI Buschjost.

Breakthrough engineering you can count on.

Our Global Reach

Delivering products and service reliably, on time and anywhere.

We know that precision, speed and engineering reliability are essential - we not only deliver exceptional solutions which improve the productivity and efficiency of our customers' equipment, but the speed of our Express service

ensures that we deliver quality products and aftersales service precisely, reliably, in full and on time, anywhere.

All Express products are manufactured to exacting quality standards, are ex-stock and are backed by an industry-leading 2-year warranty.

Our unrivalled stockholding and delivery service are backed by a dedicated support

team, fully trained to help you find the product, data or application support you need – fast.

Our skilled teams are available 8.30 am to 5.00 pm Monday to Friday, with access to the website, 365 days a year.



Global Support

We help you achieve your goals by working with you as a partner, not just a supplier. Our dedicated team is connected worldwide to ensure close, continuous support no matter what the size and extent of your organisation. We have the reach and capability to work alongside you on complex, global projects or to simply offer local spare part supply.

●● Across manufacturing, sales, innovation centres and offices ●●



Industries

Enhance productivity and sustainability with advanced solutions and dedicated support.



Engineered for both Hot and Cold dispense applications, our advanced Fluid Control solutions minimise limescale buildup and improve cleaning efficiency for longer-lasting and more reliable valve performance.



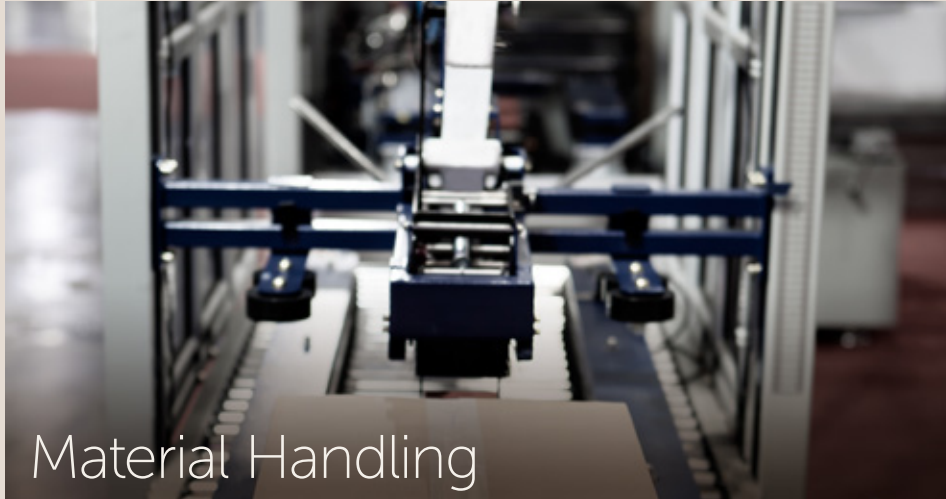
Innovative high-pressure solutions for rotary stretch blow moulding applications. From Blowing Valves to Air Recovery systems, our ultra-responsive pilot signals and low dead volume designs enhance mould speed, optimise efficiency, and maximise machine output.



Boosting efficiency and food safety in food processing with innovative Motion and Fluid Control solutions. We provide machine builders with durable, standard and hygienic solutions for process automation applications to address the unique demands of food production environments.



●● Build smarter, safer, more productive, and more sustainable processes with our pneumatic and electric motion control systems ●●



Material Handling

From picking to packaging, our expertise supports every stage of your process, helping manufacturers boost productivity, automate manual tasks, minimise energy consumption, and achieve full regulatory compliance.



Mobile Pneumatics

Acknowledged for their safe and reliable operation, our products are proven over millions of miles of service. Our robust solutions operate efficiently in extreme temperatures (-40°C) & dirty / wet environments.



Hydrogen Systems

Innovating to improve Safety, Simplicity & Reliability of High-Pressure Hydrogen Systems.



●● Deep expertise and dedication to innovation help us create automation solutions that transform production lines, factories, and warehouse operations worldwide ●●

Functional Safety and Connected Products

Our high performance products are used across a wide range of sectors including Factory Automation, Food & Beverage and Material Handling.

Safety

When it comes to safety, nothing can be left to chance. We offer safety products to help you fully comply with the requirements of ISO 13849.

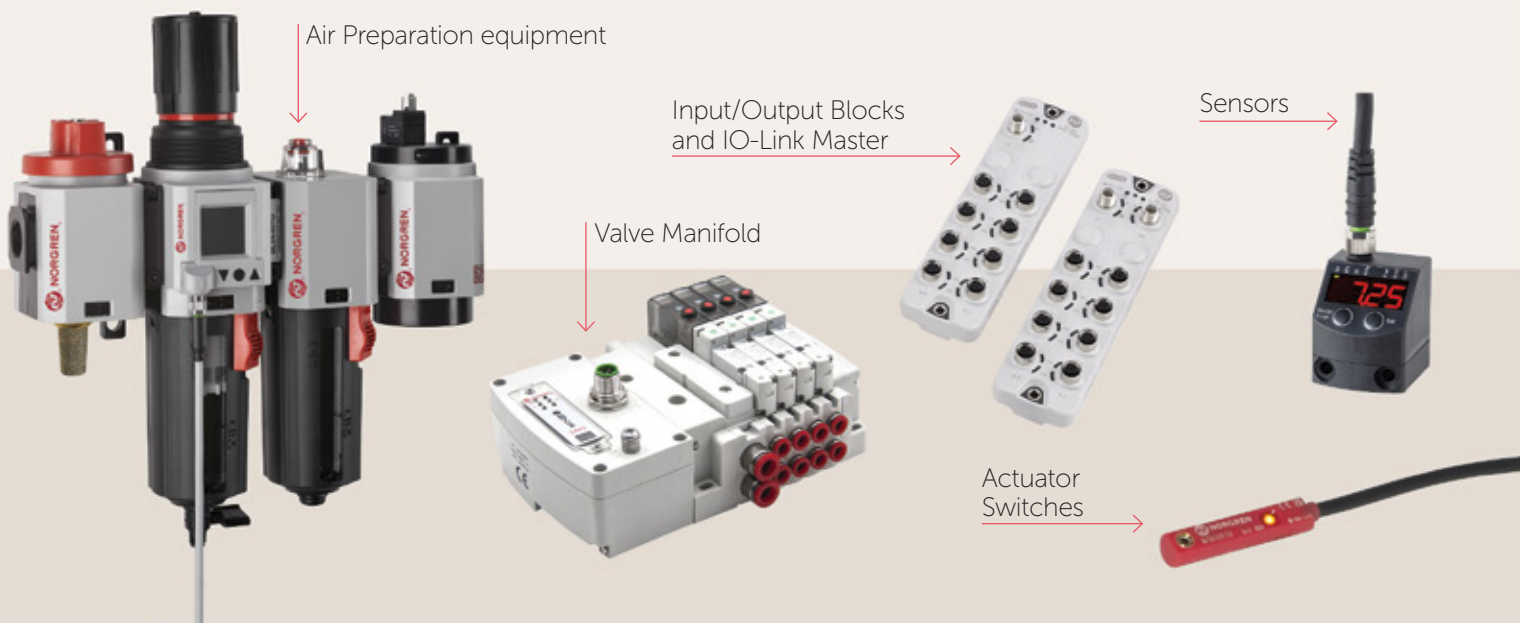
With over 30 years' experience, we use our deep understanding of the technical challenges and legislative framework to develop pioneering platform products to answer specific needs. Our products improve efficiency and performance, reduce downtime and save energy by simplifying supply chains and reducing machine complexity.

- Safety applications EN ISO 13849
- System design of safety controls
- Very high B₁₀ levels
- DGUV certified self-monitored safety valves
- Important safety features such as:
 - Safe exhaust
 - Safe position
 - Safe stop
 - Reliable reversing
 - Safely limited speed and more



Industrial Internet of Things

As the digital transformation of industry gains pace, we offer high performance, futureproofed product solutions with enhanced, digital capability and connectivity.



Our Website Offers Everything you Need

World-class products. Technical Excellence. Breakthrough engineering you can count on.

A brand new, upgraded web experience from beginning to end. Simply visit www.imiplc.com/industrial-automation, and login with your existing email and password – give it a try!

If you need help, or want to discuss the new website, please contact customer services.

Find, Configure & Buy Online 24/7

From configuring a product, to ordering a much-needed part 24/7, or discussing a project with a technical expert, we encourage you to use the wide range of digital solutions we provide to save your time and money.

www.imiplc.com/industrial-automation



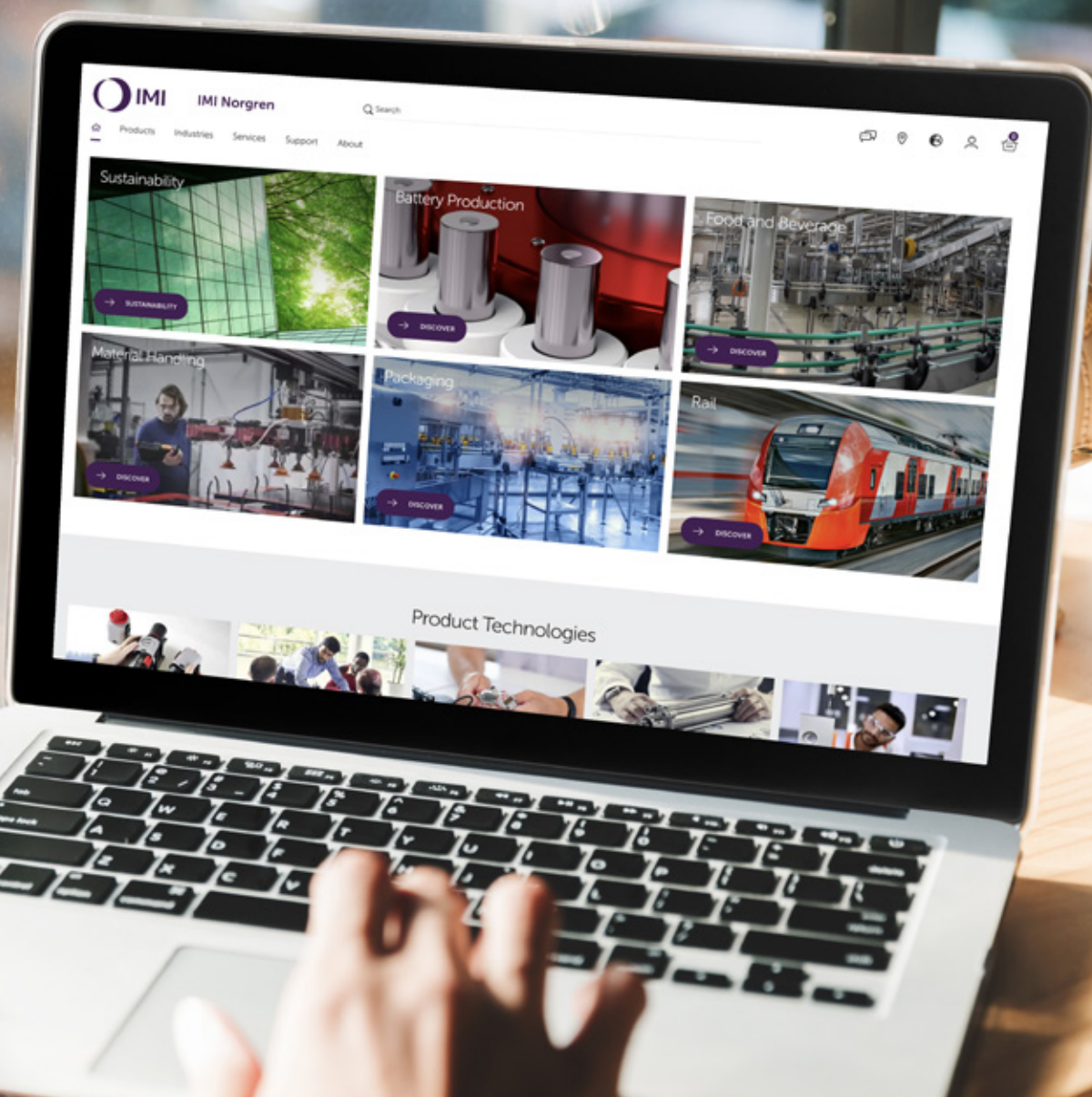
FAST



RELIABLE



100% SECURE





Experts in Customised Control Solutions

Our highly experienced engineering and production teams design and manufacture custom control solutions, incorporating the latest techniques and technologies to ensure the best design for your application. Whether you need a cabinet, panel or manifold solution, we have the technical competence and products available to meet your needs.

- Excellent technical support
- Proven quality products
- Reduced inventory costs
- Plug-and-play installation on site

Products

Our world-class product portfolio includes IMI Norgren, IMI Bahr, IMI Bimba and IMI Buschjost. Over the years, these brands have proven their value, becoming some of the most trusted names in pneumatics, electric motion and fluid control solutions. This allows us to help our customers tackle the world's most significant engineering challenges with reliability, safety, and efficiency.

Electric Motion



Valve Islands & Industrial Communication



Pressure Switches & Sensors



Pneumatic Actuators



Pneumatic Valves



Air Preparation



Vacuum



Fluid Control Valves



Fittings, Tubing & Accessories



Electric Motion



Electric Cylinders

E/809000 Series



Linear Axis

E Series



D Series



Q Series



L Series



Multi Axis Systems

ELZI Series



ELZU Series



Multi Axis Systems



Accessories

AC Servo Motors



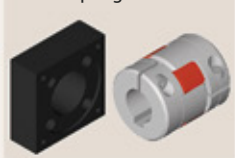
Servo Drives & Protocols



Switches and Cables



Motor Adaptor Plates and Couplings



Mountings, Blocks and Nuts



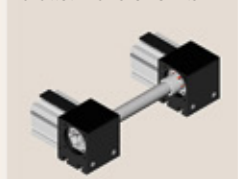
Gearboxes



Cable Chains



Parallel Transfer Units



Pneumatic Actuators



Roundline Cylinders

RM/8000/M
ISO 6432
Ø10 ... 25 mm



RT/57200/M
Ø10 ... 63 mm



Compact Cylinders

RA/192000/MX
ISO 21287
Ø20 ... 50 mm



RM/92000/M
Ø12 ... 100 mm



Profile Cylinders

PRA/802000/M,
RA/802000/M,
RA/8000/M
ISO 15552
Ø32 ... 320 mm



PRA/882000/M
IVAC Clean Line
Ø32 ... 63 mm



Cylinders with Guiding

M/60100/M
Ø10 ... 40 mm



M/61000/M,
M/61000/MR
Ø32 ... 100 mm



Lintra® Rodless Cylinders

M/146000
Internal Guide
Ø16 ... 80 mm



M/146100
External Guide
Ø16 ... 80 mm



M/146200
Precision Roller Guide
Ø16 ... 63 mm



Other Lintra®
Rodless Cylinders
Pneumatic & Electric



■ Single Acting
■ Double Acting

Pneumatic Actuators



Rotary Actuators

M/60280
Rotation angles
30° ... 270°

M/162000/MI
Ø32 ... 125 mm

Stainless Steel Cylinders

KM/8000/M
ISO 6432
Ø12 ... 25 mm

KA/802000/M
Ø32 ... 200 mm

KM/31000
Ø8 ... 14 1/2"

KM/55001/M
Ø32 ... 125 mm

Air Bellows

M/31000
Ø6 ... 16"

PM/31000
Ø2 3/4 ... 12"

Shock Absorbers

ACE Shock Absorbers
MC Series
Self-compensating

ACE Shock Absorbers
MA Series
Adjustable

Switches

M/50
(Reed and Solid State)

Vacuum



Vacuum Pumps

M/58112
Single stage



M/58102
Multi stage



Vacuum Cups & Bellows

M/58300, M/58400
Ø6 ... 150 mm



Flexible Connectors
for Vacuum Cups



Level Compensators
for Vacuum Cups



Vacuum Switches

18D Electro-Mechanical
-1 ... 1 bar



51D Electronic
-1 ... 1 bar



Accessories

Flexible connectors
for vacuum cups



Level compensators
for vacuum cups



Vacuum Gauges



Silencers



Valve Islands & Industrial Communications



Valve Islands

VR10
2 x 3/2, 5/2 & 5/3
10 mm



VR15
2 x 3/2, 5/2 & 5/3
15 mm



VM10
2 x 3/2, 5/2 & 5/3
10 mm



VM15
2 x 3/2, 5/2 & 5/3
15 mm



VS18
2 x 2/2, 2 x 3/2, 5/2 & 5/3
ISO 15407-2
18 mm



VS26
2 x 2/2, 2 x 3/2, 5/2 & 5/3
ISO 15407-2
26 mm



Industrial Communication

NC Series
IO-Link Masters &
I/O Modules



Pneumatic Valves



Sub-base Valves

V40/V41
2 x 3/2, 5/2 & 5/3 Valve
ISO 15407-1
18 mm



V44/V45
2 x 3/2, 5/2 & 5/3 Valve
ISO 15407-1
26 mm



ISO★STAR
5/2 & 5/3
ISO #1 ... ISO #3



UM/22000
5/2 & 5/3
ISO #4



In-line and Manifold Valves

V60 ... 63
3/2, 2x3/2, 5/2 & 5/3
G1/8 ... G1/2



V50 ... 53
3/2, 5/2 & 5/3
G1/8 ... G1/2



EXCEL 22, M/49
3/2
G1/8



Special Purpose Valves

Two-hand control unit
XSHC04
4 mm PIF



Safety valves SCVA
3/2
G1/4, G1/2, G3/4, G1



Safety valves SCSQ10
3/2 - with soft start
G1/2



Solenoid actuated press
safety valves XSz
3/2
G1/4 ... G2



NE/13808, NE/13338
5/2-way safety block
ISO 1 (G1/4), ISO3 (G1/2)



Manual/Mechanical Valves

Super X
3/2, 5/2 & 5/3
G1/8, G1/4



VHLA
4/2, 4/3 APB
G1/4 ... G1/2



M/1700
5/2, 5/3
G1/4, G1/2



S/666
3/2
G1/8



Pneumatic Valves



Proportional Valves



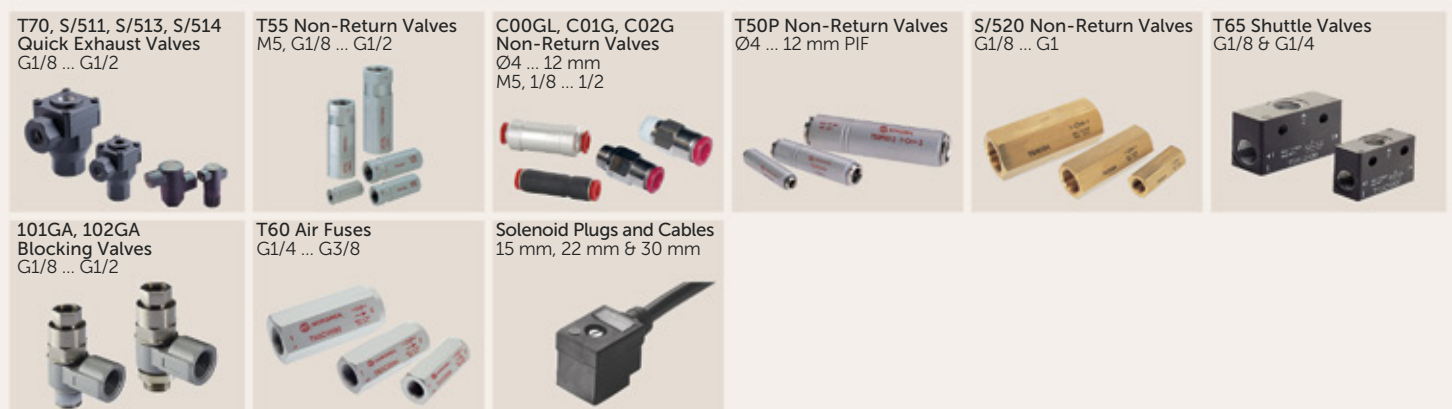
Process Industry



Flow Control Valves



Other Valves and Accessories



Fluid Control Valves



Direct acting solenoid valves

82080 DN 3 ... 8 Directly solenoid actuated, with sealed core tube / medium separated, seat valve, PVDF 	82090 DN 8 ... 25 Solenoid actuated, with forced lifting, with DVGW-approval, EN 161 and EN ISO 23553-1 	82510 DN 1,5 ... 5 Directly solenoid actuated, small, compact, up to 70 bar, brass 	82530 DN 10 Solenoid actuated, with forced lifting, G1/4 ... 1/2, brass 	82540 DN 8 ... 50 Solenoid actuated, with forced lifting, diaphragm valve, brass 	82560 DN 10 Solenoid actuated, with forced lifting, G1/4 ... 1/2, stainless steel 
82590 DN 10 Solenoid actuated, with forced lifting, diaphragm valve, stainless steel 	82610 DN 1,5 ... 5 Directly solenoid actuated, small, compact, up to 70 bar, stainless steel 	83040 DN 15 ... 50 Solenoid actuated, with forced lifting, diaphragm valve, flange, cast steel 	83150 DN 2,5 ... 4,5 Directly solenoid actuated, with compression fitting or Push-in fitting, seat valve, PPSU 	83154 DN 2,5 & 3 Directly solenoid actuated, media-separated valve, PPS 	84360 DN 8 ... 50 Solenoid actuated, with forced lifting, diaphragm valve up to +150°C, brass 
85340 DN 15 ... 50 Solenoid actuated, with forced lifting, piston valve, backpressure tight, stainless steel 	85780 DN 15 ... 100 Solenoid actuated, with forced lifting, piston valve, with inspection certificate DIN EN 10204 - 3.1, flange, stainless steel 	85840 DN 12 ... 50 Solenoid actuated, with forced lifting, piston valve, with SIL certificate, female thread, stainless steel 	86480 DN 65 ... 100 Solenoid actuated, with forced lifting, piston valve, flange, ductile graphite iron 	86500 DN 15 ... 100 Solenoid actuated, with forced lifting, piston valve, flange, cast steel, spheroidal graphite iron 	86520 DN 15 ... 50 Solenoid actuated, with forced lifting, piston valve, flange, up to +200°C 
86540 DN 15 ... 50 Solenoid actuated, with forced lifting, piston valve, flange stainless steel 	86700 DN 8 ... 50 Solenoid actuated, with forced lifting, piston valve, brass 	86720 DN 8 ... 50 Solenoid actuated, with forced lifting, piston valve up to +200°C, brass 	86740 Solenoid actuated, with forced lifting, piston valve up to +200°C, stainless steel 		

Indirect Acting Solenoid Valves

82400 DN 8 ... 50 Indirectly solenoid actuated, diaphragm valve, brass 	82470 DN 8 ... 25 Indirectly solenoid actuated, diaphragm valve up to +150°C, brass 	82730 DN 8 ... 50 Indirectly solenoid actuated, diaphragm valve, stainless steel 	83030 DN 15 ... 50 Indirectly solenoid actuated, diaphragm valve, flange, cast steel 	83770 DN 8 Indirectly solenoid actuated, high pressure, 320 bar, brass 	83790 DN 15 Indirectly solenoid actuated, high pressure, 350 bar, brass 
84070 DN 12 ... 20 Indirectly solenoid actuated, diaphragm valve, polymer version, NSF tested 	85360 DN 8 ... 50 Indirectly solenoid actuated, piston valve, max. 40 bar, brass 	85380 DN 8 ... 25 Indirectly solenoid actuated, piston valve up to +200°C, brass 	85660 DN 15 ... 50 Indirectly solenoid actuated, piston valve, max. 40 bar, flange, cast steel 		

Fluid Control Valves



Pressure operated Valves by external Fluid

82160 DN 8 ... 50 Pressure actuated by external fluid, brass, insensitive to dirt 	82170 DN 8 ... 50 Pressure actuated by external fluid, brass, insensitive to dirt 	82180 DN 15 ... 50 Pressure actuated by external fluid, angle seat valve, actuator Ø70 mm, brass 	82280 DN 15 ... 50 Pressure actuated by external fluid, angle seat valve, actuator Ø125 mm, brass 	82210 DN 15 ... 100 Pressure actuated by external fluid, seat valve, actuator Ø70 mm, 120 mm, Spheroidal cast iron 	82380 DN 15 ... 50 Pressure actuated by external fluid, angle seat valve, actuator Ø70 mm, stainless steel 
82480 DN 8 ... 50 Pressure actuated by external fluid, angle seat valve, actuator Ø125 mm, stainless steel 	82580 DN 15 ... 50 Pressure actuated by external fluid, angle seat valve with DVGW-approval 	82710 DN 8 ... 12 Pressure actuated by external fluid, brass, compact 	83250 3/2-way valves DN 15 ... 50 Pressure actuated by external fluid, seat valve, gun metal, PTFE 	83350 DN 15 ... 50 Pressure actuated by external fluid, diaphragm valve, insensitive to dirt, grey cast iron 	83380/83390 DN 15 ... 150 Pressure actuated by external fluid, diaphragm valve, flange, insensitive to dirt, grey cast iron 
84180 DN 2 ... 10 Pressure actuated by external fluid, brass, compact 	84190 DN 2 ... 10 Pressure actuated by external fluid, stainless steel, compact 	84500 DN 15 ... 50 Pressure actuated by external fluid, angle seat valve, brass, polymer actuator 	84520 DN 15 ... 50 Pressure actuated by external fluid, angle seat valve, stainless steel, polymer actuator 	84720 DN 15 ... 25 Pressure actuated by external fluid, angle seat valve, brass, actuator Ø50 mm 	84740 DN 15 ... 25 Pressure actuated by external fluid, angle seat valve, stainless steel, actuator Ø50 mm 
84660 3/2-way valves DN 1,6 ... 3 Pressure actuated by external fluid, control valve, aluminium 					

Hydrogen

83810 DN 8 & DN 13 High pressure SOV with Cone & Thread and optional integrated check-valve (up to 550 bar), stainless steel 	83830 DN 8 & DN 13 High pressure SOV with Cone & Thread and optional integrated check-valve (up to 1.050 bar), stainless steel 	83840 DN 8 & DN 13 High pressure SOV with G & NPT and optional integrated check-valve (up to 550 bar), stainless steel 	83830 DN 8 & DN 13 Bi-directional manifold with integrated check-valves (up to 1.050 bar), stainless steel 	83830 DN 8 & DN 13 3-station manifold with integrated check-valves (up to 1.050 bar), stainless steel 	MP Manual Valves 1/4", 3/8", 9/16", 3/4" (up to 1.050 bar), stainless steel 
83870 Hydrogen Line Filter 1/4" ... 1 UNF Cone & Thread (up to 1.050 bar) 1/4" ... 1 G & NPT Thread (up to 550 bar), stainless steel 	D479 Dome pressure regulator 13/16-16 UN or 9/16-18 UNF, stainless steel 	240 Pilot valve G1/4 	Custom Manifolds 		

Fluid Control Valves



Pulse valves and controls for dust collector systems

82870 G1/4 remote pilot operated, pneumatic controllers 	82900 DN 20 ... 80 remote pilot operated, aluminium 	82960 DN 20 ... 80 solenoid pilot operated, aluminium 	83300 DN 40 ... 80 remote pilot operated (single stage), stainless steel 	83320 DN 40 ... 80 solenoid pilot operated (single stage), stainless steel 	83640 DN 20 ... 80 remote pilot operated, compression fitting 
83670 DN 20 ... 80 solenoid pilot operated, compression fitting 	83920 DN 20 ... 80 solenoid pilot operated, with blow tube 	83930 DN 40 ... 80 remote pilot operated (single stage), with blow tube 	83920 DN 80 remote pilot operated, flange, aluminium 	83930 DN 80 solenoid pilot operated, flange, aluminium 	8587xxx Systems for dust collectors Ø220 mm diameter for DN 40 ... 65 with integrated dust collector valves 
8589xxx Systems for dust collectors Ø135 mm diameter for DN 25 with integrated dust collector valves 	8588xxx Systems for dust collectors Ø75 mm diameter for DN 25 with integrated dust collector valves 				
8349000.0000.xxxxx Microcontroller-operated valve controllers Casing version 	8349010.0000.xxxxx Microcontroller-operated valve controllers Standard rail support 	8349110.0000.xxxxx Valve controllers for industrial filters Master-Version without Δp 	8349120.0000.xxxxx Valve controllers for industrial filters Master-Version prepared for Δp 	8349150.0000.024000 Valve controllers for industrial filters Slave Version 	834950x.8274.xxxxx Valve controllers for industrial filters Master-Version with Δp 
83492xx.0000.xxxxx Master controller 	8349200.0000.xxxxx Master controller 	8349500.0000.xxxxx Valve controllers for industrial filters Master-Version with Δp 	8349900.0000.00000 Differential pressure measuring transducers 	834990x.0000.xxxxx Differential pressure controllers 0 ... 25/50/100 mbar 	834991x.0000.xxxxx Differential pressure controllers 0 ... 35/90/450 mbar 
834992x.0000.00000 Differential pressure controllers with integrated measuring hose cleaning 0 ... 35/90/450 mbar 					

Proportional Valves

82880 DN 15 ... 20 Motor operated 	8450x92 DN 25 ... 50 Pressure actuated by external fluid Position indicator control Controller on the top of the valve, brass 	8452x92 DN 25 ... 50 Pressure actuated by external fluid Position indicator control Controller on the top of the valve, stainless steel 
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Pressure Switches & Sensors



Electro-Mechanical Pressure Switches

18D Pneumatic
-1 ... 30 bar



18D Hydraulic
5 ... 420 bar



20D
Low pressure,
Allfluid and ATEX
0,5 ... 16 bar



Inline Flow Sensor

M/80 Series
-1 ... 16 bar



Electronic Pressure Switches and Sensors

54D Pneumatic
-1 ... 16 bar



**34D Pneumatic/
Hydraulic/Allfluid**
-1 ... 600 bar



Q84G Pneumatic
0 ... 10 bar



51D Pneumatic
-1 ... 10 bar



**60D Pneumatic/
Hydraulic/Allfluid**
1 ... 400 bar



**60S Pneumatic/
Hydraulic/Allfluid**
1 ... 400 bar



Air Preparation



Excelon® Plus – Standard Modular System



Excelon® Plus – Modular System for Harsh Environments and Extended Temperatures



Olympian Plus – Plug-in, Quick Change System



Air Preparation



Miniature Series, General Purpose



Large Capacity Series Units



Stainless Steel – General Purpose and Precision



Special Purpose



Accessories



Fittings, Tubing & Accessories



Fittings

Pneufit 10
Push-In Fittings
Nickel Plated Brass
Ø4 ... 14 mm



Pneufit 12
Push-In Fittings
Nickel Plated Brass
Ø4 ... 12 mm



Pneufit C
Plastic PBT
Push-In Fittings
Ø4 ... 16 mm



Pneufit C
Selection Box



Pneufit D
Push-In Fittings
Ø4 ... 12 mm



Pneufit E
Push-In Fittings
Ø4 ... 12 mm



Pneufit M
Push-In Fittings
Ø3 ... 6 mm



Pneufit S
Push-In Fittings
Ø4 ... 12 mm



24 Series
Push-On Tube Fittings
Ø4/2,5 ... 15/12,5 mm



43 Series
Compression Fittings –
External Nut
Ø4 ... 22 mm



BSP & Hose Fittings
M5, 1/8" ... 1" BSP



34 & 36 Series
Compression fittings
Ø4 ... 28 mm



97400 Fleetfit
Push-In Fittings
Ø6 ... 18 mm



Tubing & Hoses

Nylon Tubing
Ø4 ... 16 mm



Polyurethane Tubing
Ø3 ... 16 mm



Metal Braided
Rubber Hose
Ø6 ... 12 mm



Pneuflex Tubing
Ø6 ... 8 mm



Weld Tubing
Ø6 ... 14 mm



Tube Cutter



Tubing Channels & Clips
Ø6 ... 16 mm



Accessories

233 Series
Single and double shut off
quick release couplings



238 Series
Single shut off quick
release couplings



234 Series
Double shut off quick
release couplings



237 Series
Single shut off quick
release couplings



M/S & T45 Series
Porous plastic silencers
M5, G1/8 ... G1



T40 Series
Sintered Bronze Silencers
M5, G1/8 ... G1



M/1500 Series
Exhaust Filters
G1/8 ... G1



MA & MB Series
Quietaire Heavy
Duty Silencers
R1/8 ... R1



CS & MQ0 Series
Coalescing Exhaust
Silencers
M5, G1/8 ... G1/2



60 & 61 Series
Ball Valves
1/8" ... 1 1/2"



M/7300 Series
Sleeve Valve
G1/8 ... G1/2



BG Series
Blow Guns



T65
Shuttle Valves
G1/8 ... G1/4



T70
Quick Exhaust Valves
G1/8 ... G1/2



Our Industrial Automation sector operates four global centres of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Europe, Americas and Asia Pacific.

Supported by distributors worldwide.

For further information, scan this QR code or visit

www.imiplc.com/industrial-automation



Industrial Automation

IMI Norgren

IMI Bimba

IMI Bahr

IMI Buschjost

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