

The Leading Exhibition for Smart Automation and Robotics June 24-27, 2025 Trade Fair Center Messe München

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Overview of product groups

- Assembly and handling technology 1
- 2 Industrial robotics
- 3 **Professional service robotics**
- 4 Machine vision
- 5 Clamping and gripping technology
- 6 **Drive technology**
- 7 Sensor technology

Product groups

1 Assembly and handling technology 1.1 Assembly stations and systems 1.1.1 Assembly stations and systems, linear transfer Assembly stations and systems, 1.1.2 rotary transfer Assembly systems 1.1.3 (continuous motion) Modular assembly platforms 1.1.4 Assembly stations, manually fed 1.1.5 1.1.6 Assembly systems for pliable parts 1.2 Assembly systems for specific fields of application 1.2.1 Assembly systems for medical/ pharmaceutical applications 1.2.2 Assembly systems for food industry applications 1.2.3 Assembly systems for explosive areas 1.2.4 Assembly systems for ESD areas 1.2.5 Assembly systems for electrical engineering and electronics 1.2.6 Assembly systems for clean rooms 1.2.7 Assembly systems for micro technology 1.2.8 Packaging machines 1.2.9 Assembly systems for the production of photovoltaics 1.2.10 Assembly systems for composites 1.2.11 Assembly systems for battery production 1.3 Special-purpose mechanical

engineering

- 1.4 Equipment for storage 1.4.1 Storage boxes 1.4.2 Hoppers 1.4.3 Magazines Pallet systems and 1.4.4 palletizing units Equipment for organizing, 1.5 sorting and feeding 1.5.1 Separating equipment 1.5.2 Disentangling equipment (seperators) 1.5.3 Sorting equipment 1.5.4 Vibrating feeders, rotary 1.5.5 Vibrating feeders, linear 1.5.6 Step feeders 1.5.7 Hopper elevators (inclined feeders) 1.5.8 Centrifugal feeders 1.5.9 Flexible feeding systems 1.6 Equipment for linking and transport 1.6.1 Chain conveyors 1.6.2 Belt conveyors Magnetic conveyors 1.6.3 (linear motors) 1.6.4 Roller conveyors 1.6.5 Rotary indexing tables 1.6.6 Belt feed unit 1.6.7 Workpiece carrier systems Elevators 1.6.8 Lifting and tilting units 1.6.9 1.6.10 Vacuum lifting devices Components for linking and 1.7 transportation equipment 1.8 Equipment for fastening and joining 1.8.1 Screw driving units, manually operated 1.8.2 Screw driving units, automatically operated 1.8.3 Screw driving units, stationary 1.8.4 Riveting units
- 1.8.5 Presses

Punching units 1.8.6 1.8.7 Welding units 1.8.8 Soldering units 1.8.9 Dosing, gluing, application, coating and sealing units 1.8.10 Clinching units 1.9 Marking equipment 1.9.1 Printing systems 1.9.2 Embossing and engraving systems 1.9.3 Laser marking systems 1.9.4 Labeling systems 1.10 Test and measuring systems 1.10.1 Test equipment for materials, components and structures 1.10.2 Test equipment for functional and durability testing 1.10.3 Test equipment for electronics 1.10.4 Weighing devices 1.10.5 Measuring devices 1.11 **Basis and construction** elements 1.11.1 Levelling elements 1.11.2 Profiles 1.11.3 Connectors 1.11.4 Joints 1.11.5 Surface elements 1.12 Manual workplace systems 1.12.1 Manual handling manipulators 1.12.2 Assembly cells 1.12.3 Individual assembly work places 1.12.4 Assembly tools 1.12.5 Assembly assistance systems 1.13 Work station equipment 1.14 Oils, greases and lubricants 1.15 Surface treatment

VDMA

Control technology and industrial communications

Messe München GmbH, Am Messesee 2, 81829 München, Germany

- 9 Safety components
- 10 Electrical engineering 11 Fluid technology
- 12 Software and cloud computing 13 Services and service providers
- 14 Research and technology



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Product groups (Continuation)

iuci gioups (cont	nualio	n)	Messe Mi
Industrial robotics	2.4.14	Industrial robots for elect	rical ics
Industrial robots, listed by design type	2.4.15	Industrial robots for food industry applications	3
Linear robots, gantry robots,	2 4 16	Industrial robots for clear	rooms
cartesian robots	2 4 17	Industrial robots for labor	atories
SCARA robots	2 4 18	Industrial robots for use i	n
Articulated robots	2.1.10	extreme conditions	
Parallel-link robots	2 4 19	Industrial robots for	
(e.g. delta robots, linapods,	2.1.10	battery production	
tripods, hexapods)	2.5	System integrators	
Industrial robots, special design		- ,	
Industrial robots for	2	Professional servic	•
human-robot collaboration	3		5
Components for robot systems		rodotics	
Jigs and fixtures	3.1	Service robots,	
Tool changing systems		listed by design type	
Robot measurement systems	3.1.1	Stationary robotic solutio	ns
Peripherals for painting and	3.1.2	Mobile robotic platforms	
coating	3.1.3	Humanoid robots, walking	g robots
Peripherals for dosing, gluing,	3.1.4	Exoskeletons	-
application, coating and sealing	3.1.5	Drones	
Peripherals for weiding	3.1.6	Special designs	
Peripherals for processing		(e.g. underwater robots)	
Peripherals for cutting	3.2	Key technologies and	
Peripherals for laser systems		components for service	9
Peripherals for clean rooms		robotics	
industrial robots for specific	3.2.1	Perception	
Industrial relate for pointing and	3.2.2	Navigation	
conting	3.2.3	Manipulation	
Industrial robots for cooling and	3.2.4	Human-machine interacti	on
aluing	3.3	Service robots for spec	;ific
Industrial robots for welding		fields of application	
Industrial robots for processing	3.3.1	Mobile manipulators	
Industrial robots for cutting	3.3.2	Professional cleaning rob	ots
Industrial robots for	3.3.3	maintenance	tion and
laser applications	3.3.4	Service robots for search	۱,
Industrial robots for assembling		rescue and surveillance	
and testing	3.3.5	Service robots for retail applications	
Industrial robots for palettising Industrial robots for pick & place	3.3.6	Service robots for transp	ortation
and packaging Industrial robots for loading/	3.3.7	Service robots in healthc	are and
unloading machine tools	3.3.8	Service robots for care a	nd
unloading other machines	3.3.9	renabilitation Service robots for hospita	ality and
Industrial robots for other handling tasks	3310	social interaction	Iture and
U	0.0.10	forestry	
	3.3.11	Construction and	

- demolition robots 3.3.12
- Other service robots for professional use

ünc	hen GmbH	, Am Messesee 2, 81829 München, Germany
	4	Machine vision
	4.1	Systems
	4.1.1	Application-specific machine
		vision systems
	4.1.2	Configurable machine
		vision systems
	4.1.3	Intelligent cameras
	4.1.4	Embedded vision systems
	4.1.5	Vision sensors
	4.2	Components for
		machine vision
	4.2.1	Optics and illuminations
	4.2.2	Laser
	4.2.3	Image sensors
	4.2.4	Optical sensors
	4.2.5	Cameras
	4.2.5.1	High speed cameras
	4.2.5.2	Infrared cameras
	4.2.5.3	Matrix cameras
	4.2.5.4	Line scan cameras
	4.2.5.5	X-ray cameras
	4256	Hyperspectral cameras
	426	Frame grabbers
	427	Measuring systems
	428	Processors and
	4.2.0	computer components
	429	Software
	4 2 10	Other components for
	1.2.10	machine vision
	4.3	Specific fields of application
	431	Robot vision
	432	2D and 3D measurement and
	1.0.2	comparison
	433	Security systems
	434	Recognition of shapes and
		positons
	4.3.5	Identification systems and
		components
	4.3.6	Surface inspection and
		texture analysis
	4.3.7	X-ray inspection
	4.3.8	Completeness check
	4.3.9	Color inspection
	4.3.10	Quality inspection
	4.3.11	Optical code reading for 1D
		codes/barcodes and 2D codes
	4.3.12	Optical character recognition
		(OCR)
	4.3.13	Sequence analysis

4.3.14 Print inspection

4.4 Augmented reality systems

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Product aroups (Continuation)

Pro	duct groups (Co	ntinuatio	on) _{Mess}	e München GmbH	info@automatica-munich.com , Am Messesee 2, 81829 München, Germany
5	Clamping and gripping	6.4	Stop devices	7	Sensor technology
	technology	6.4.1	Stop devices, mechanical	71	Proximity switches
51	Grippors	6.4.2	Stop devices, electrical	711	Proximity switches inductive
511	Grippers electrical	6.4.3	Stop devices, pneumatic	71.2	Proximity switches, capacitive
512	Grippers, electrical	6.4.4	Stop devices, hydraulic	71.3	Cylinder position switches
513	Grippers, prieuritatic	6.4.5	Stop devices, magnetic	72	Rotary encoders
511	2-finder parallel grippers	6.5	Numeric controlled rotation a	xes 721	Rotary encoders absolute
515	3-finger centric grippers	6.6	Numeric controlled linear axe	s 722	Rotary encoders, incremental
516	Suction grippers	6.6.1	Linear axes, pneumatically driv	ven 723	Rotary encoders, multiturn
517	Foil grippers	6.6.2	Linear axes, electrically driven	7.3	Limit switches
518	Needle gripper systems	660	with toothed beit drive	7.4	Linear displacement
519	Adhesion grippers	0.0.3	Linear axes, electrically driven		transducers
5.1.10	Revolving arippers	661	Linear axes electrically driven	7.4.1	Optical linear displacement
5.1.11	Micro arippers	0.0.4	with dear rack drive		transducers
5.1.12	Carbon grippers	665	Linear axes electrically driven	7.4.2	Inductive linear displacement
5.2	Clamping devices	0.0.0	with linear motor		transducers
5.2.1	Clamping devices, manual	6.7	Gear units	7.4.3	Magnetostrictive linear
5.2.2	Clamping devices, pneumatic	6.7.1	Spur gear units		displacement transducers
5.2.3	Clamping devices, electrical	6.7.2	Bevel gear units	7.4.4	Potentiometric linear
5.2.4	Clamping devices, hydraulic	6.7.3	Worm gear units	745	displacement transducers
		6.7.4	Planetary gear units	7.4.5	Magnetic linear displacement
6	Drive technology	6.7.5	Variable speed gear units	746	
		6.7.6	Precision gear units	7.4.0 7.5	LVDI Sensera for distance and
6.1	Bearings	6.8	Industrial motors, motor cor	7.0 1-	thicknose
6.1.1	Ball bearings		trols, motor protection device	ces 751	Distance and thickness sensors
6.1.2	Roller bearings	6.8.1	3-phase motors	7.5.1	ontical
6.1.3	Needle roller bearings	6.8.2	Direct current motors	752	Distance and thickness sensors
6.1.4	Plain bearings	6.8.3	Energy-saving motors	1.0.2	inductive
0.1.5	Air bearings (radiai)	6.8.4	Geared electric motors	7.5.3	Distance and thickness sensors.
0.1.0	Magnetic bearings	6.8.5	Servo motors		ultrasonic
0.2	Cliding guides	6.8.6	Stepping motors	7.5.4	Distance and thickness sensors,
0.2.1	Siluing guides	6.8.7	Frequency converters		capacitive
6.2.2	Linear ball bearing guides	6.8.8	Servo controllers	7.5.5	Distance and thickness sensors,
621	Profiled rail quides	6.8.9	Servo drive control units		magnetic
625		6.8.10	Motor protection devices	7.6	Force torque sensors
626	Telesconic rail quides	6.8.11	Micro motors	7.7	Optoelectronic sensors
627	Air bearings (axial)	6.9	Special drives	7.7.1	Throughbeam photoelectric
6.3	Linear motion drive elements	6.9.1	Pheumatic motors		sensors
	and systems	0.9.Z		1.1.2	Retro-reflective photoelectric
6.3.1	Acme screw drives	6.9.3	Pressure converters, pneumat		sensors
6.3.2	Ball screw drives	0.9.4 6.0.5	Air-oil actuators, pneumatic	1.1.3	Laser sensors
6.3.3	Roller screw drives	0.9.0	Lifting coumns, electromechan	Ical 7.7.4	Diffuse reflection light scanner,
6.3.4	Gear rack drives	0.9.0	electromechanical	775	Diffuse reflection light scanner
6.3.5	Toothed belt drives	697	Chain quides electromechanic	1.1.5 Iol	with background suppression
6.3.6	Linear motors	698	Linear lifting magnets	776	Fiber sensors/amplifiers
6.3.7	Chain drives	699	Linear interlocking magnets	777	Mark sensors
6.3.8	Accessories for linear motion	6.9.10	Swing drives electromechanic	al 778	Color sensors
	drive elements	6 9 11	Accessories for	779	Luminescence scanners
6.3.9	Worm gear screw jacks	0.0.11	electromechanical actuators	7.7.10	Photoelectric fork sensors
6.3.10	Positioning systems, pneumatic	6.9.12	Rotary modules, swivel module	es 7.7.11	Light grids
6.3.11	Micro-positioning systems		(rotational motions)	7.7.12	Optical windows
6.3.12	Feed units, pneumatic	6.9.13	Linear modules (linear motions	s)	- F - 200 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100
6.3.13	Stroke feed units, pneumatic	6.10	Multi-axis systems	•	





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Product groups (Continuation)

Ultrasonic sensors/switches

Accessories (holders, cables)

Control technology and

Identification sensor

Pressure measurement

technology (RFID)

Pressure switches

communications

Control technology

Controls, electronic

Controls, pneumatic

Controls, mechanical (cam-

Industrial communications

Display and operating equipment

Micro sensors

devices

industrial

controlled)

CNC systems

Industrial PCs

CPU cards

Bus systems

Bus terminals

(HMI)

Fieldbus components

Optical data transmission

Wired data transmission

diagnostic systems

industrial applications

Remote maintenance and

Virtual reality systems for

Wireless data transmission

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ו)	Messe Mü	nchen GmbH	info@automatica-munich.cor I, Am Messesee 2, 81829 München, German
Electrical engineeri	ng	12	Software and cloud
Industrial enclosures, o	control		computing
cabinets and equipmer Industrial power supply power distribution	nt y and	12.1	Software for robotics, assembly and handling technology
Switching power supplies Wiring systems, complete Cables and wires	6 e	12.1.1 12.1.2	Software for simulation Software for robots and plant
Cable sets Cable clips		12.1.3	Software for process-controlled
Plug connections Cable and hose carrier s	vstems	12.1.4	Software for numerical control systems
Electrical components controls	for	12.1.5	Software for process control systems
Cable protection syste	ms	12.1.6	Software for remote diagnosis
Cable and tube bushin	gs	12.1.7	Programming tools
Ventilation and cooling		12.1.8	Software for quality inspection and documentation
Fluid technology		12.1.9 12.2	Software for digital twins Software for machine vision
Pneumatics		12.2.1	Application-specific software
Maintenance units for		12.2.2	Software libraries
Valve islands		12.2.3	Freely configurable software
Compressed air filters		12.3	Software and systems for the
Pressure regulators		12 3 1	Procurement merchandise
Compressed air lubricato Compressed air dryers	ors	12.3.1	management, logistics and supply-chain management (SCM)
Tube lines for compresse Hose lines for compresse Screwed and other	ed air ed air	12.3.2	Enterprise resource planning (ERP) and manufacturing resource planning (MRP)
compressed air connecti	ons	12.3.3	Maintenance and repair
Silencers for compressed Sealing devices for	d air	12.3.4	Product lifecycle management (PLM)
compressed air Accessories for compres Pneumatic measuring ap	sed air paratus	12.3.5	Production data acquisition (PDA), production data management (PDM), manufacturing execution (MES)
Cylinders, pneumatic Ventilation technology ar extraction systems	nd	12.3.6	Advanced planning and scheduling (APS), process simulation and optimization, and automated process control (APC)
technology and extraction systems	JII	12.3.7	Operating systems and extensions for the smart factory
Vacuum technology		12.4	Smart factory services
Hydraulice		12.4.1	System development and

- 12.4.2 Developing apps, smart factory software and systems

integration

- 12.4.3 IT services and outsourcing
- 12.5 AI

Compressed air lubricat 11.1.6 Compressed air dryers 11.1.7 Tube lines for compress 11.1.8 Hose lines for compress 11.1.9 Screwed and other compressed air connect 11.1.10 Silencers for compresse 11.1.11 Sealing devices for compressed air 11.1.12 Accessories for compres 11.1.13 Pneumatic measuring a 11.1.14 Pressure switches, pneu 11.1.15 Cylinders, pneumatic 11.1.16 Ventilation technology a

- extraction systems 11.1.17 Components for ventilati
- technology and extraction systems
- 11.1.18 Vacuum technology
- 11.2 **Hydraulics**
- 11.3 Sealing technology

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- 8.2.10 Network technology 9 Safety components 9.1 Mechanical and electromechanical safety devices 9.1.1 Guards
- 9.1.2 Doors and gates
- 9.1.3 Anti-collision systems
- 9.1.4
- Overload protection devices 9.2
- Safety-related control systems 9.3 Safety-related sensor
- technology 9.4 Safety-related
- communications technology 9.5 Safety-related
- drive technology Safety-related components for 9.6
- the networked factory 9.7 Software solutions for security
- management and security monitoring



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Product groups (Continuation)

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	J J J J J J J J J J		
12.6	Cloud computing	14	Research and technology
12.6.1	Cloud-based infrastructure services (laaS)	14.1	Research in the field of
12.6.2	Cloud-based platform services	14.2	Research in the field of
12.6.3	Cloud-based software services	14.3	industrial robotics Research in the field of
12.7	Systems and solutions for	14 4	service robotics Research in the field of
12.7.1	big data applications Big data platforms	14.4	machine and plant
12.7.2 12 7 3	Big data software and analytics	14.5	Research in the field of
12.8	System integration and	14.6	mobility Research in the field of
	computing and big data	14.7	electrical engineering Research in the field of
13	Services and service	1/ 9	optical technologies
	providers	14.0	medical technology
13.1	Services	14.9	Research in the field of
13.1.1	General contractors		energies
13.1.2	Engineeering, consultancy, planning	14.10	Research in the field of
13.1.3	Feasibility studies	14 11	Research in the field of
13.1.4	Simulations and industrial metaverse	14.11	battery technology
13.1.5	CAD/CAM services		
13.1.6	Optimization of existing systems		
13.1.7	Programming		
13.1.8	Robot calibrations		
13.1.9	Trainings		
13.1.10	Condition monitoring		
13.1.11	Predictive maintenance		
13.1.12	Retrofit		
13.1.13	Mechanical, electrical and fluid technology service		
13.1.14	Certifications, safety inspections		
13.1.15	Services for research and innovation		
13.1.16	Standardization		
13.2	Service providers		
13.2.1	Management consultancies		
13.2.2	Banks, financial and insurance institutions		
13.2.3	Trade associations		
13.2.4	Countries, cities, authorities		
13.2.5	Universities and universities of applied sciences		
13.2.6	Training institutions		
13.2.7	Publishers and publications		

Status: March 2024

