



HENNLICH

# PARTNER FOR YOUR INDUSTRY

## PIPE SYSTEMS

## PRECISION SPRAY NOZZLES

## PUMPS

## LINEAR TECHNOLOGY

## AUTOMATION

## MEASURING & REGULATION

## SEALS

## SPRINGS

## ENGINEERING & ENERGY

## CEMA-TECH

### Pipe couplings

- Fixed, flexible
- Side output
- Repair (couplings)

### Side glass fitting

- Technical glass
- Wipers, LED lights
- Camera systems

### Flame arresters

- Deflagration flame arresters
- Detonation flame arresters
- Pressure and vacuum relief valves

### Rotary joints

- Type series H
- Type series K
- Type series M, MP
- Type series DS, DQ, DC

### Ball valves

- Straight with thread
- Straight with flange
- Straight with welding connection
- Multi-way with thread
- Multi-way with flange

### Expansion joints & steel hoses

- Fabric expansion joints
- Rubber expansion joints
- Steel expansion joints
- Steel hoses

### Quick couplings WALTHER

- Monocouplings
- Multicouplings
- Toolchangers

### The others

- Flexible hoses
- Segment screw clamps for pressure vessels
- Static mixers

### Filtration

- Automatic filters
- Simple filters
- Filter candles & bags
- Filter housings
- Oil filtration
- Filtration of viscous liquids

### Nozzles Lechler & accessories

- Liquid nozzles
- Air nozzles
- Pneumatic atomizing nozzles
- Complex spraying system
- Accessories

### Tank cleaning nozzles

- Static spray ball
- Rotating cleaning nozzle

### Droplet separators

- Separation of drops from gas

### Flexible hose system Legrom

- Coolant distribution
- Nozzles
- Accessories
- Compatibility with Lechler nozzles

### Air knife SONIC AIR SYSTEMS

- Complex system

### Humidification and disinfection systems IDROBASE

- Complex system
- Components, parts
- Pumping modules, fog machine
- Hoses, pipes
- Nozzles
- Water mist
- Cooling
- Pre-cooling of air conditioners
- Terrace cooling

### Disinfection systems IDROBASE

- Disinfection of persons
- Disinfection of vehicles

### Progressive cavity pumps

- Smart design SCT
- Standard
- Food & hygienic
- With open hopper
- Metering
- Semi-submersible
- Macerators

### Dosing pumps

- Solenoid diaphragm
- Diaphragm
- Multi-layer diaphragm
- With stepper motor
- Piston diaphragm
- Piston
- Compact dosing units
- Complete dosing systems for WWT
- Diaphragm compressors

### Centrifugal pumps

- Chemical resistant
- Hygienic and food grade
- With mechanical seal
- With magnetic coupling
- Self-priming
- Semi-submersible
- With peripheral impeller

### Submersible pumps

- Drainage
- Sludge and sewage
- With cutter system
- For abrasive liquids
- For aggressive liquids
- Lifting units & pump stations
- Mixers

### Other pumps & systems

- Hose
- Sine
- High-pressure
- Drum
- Air-operated
- With flexible impeller

### Agitators

- Container & drum
- Laboratory
- Column
- Tank

### Polymer plain bearings igus®

- Plain bearings iglidur®
- Spherical bearings igubal®
- Semifinished products, tribo-tapes

### Polymer ball bearings igus®

- Standard ball bearings
- Polymer balls transfer units

### Modular guide systems igus®

- Linear technology drylin®
- Slewing ring bearings

### Production of customized plain bearings

### Energy chain systems igus®

- E-chain®
- Guide trough
- Readychain®
- Triflex® R (solutions for robots)
- Retraction systems

### Flexible cables & pneumatic hoses igus®

- Chainflex®
- Connectors
- Chainflex® AIR
- PMA hoses
- Chainflex® readycable®

### Linear motion system THK

- Linear guides
- Ball screws
- Linear bushings
- Cross-roller rings
- Customized LM guide rails

### Machine covers, chips conveyors

- Thermo welded bellows
- Telescopic covers
- Roll away covers
- Sewn and moulded bellows
- Way wipers
- Chips conveyors
- Filtration systems
- Protection covers for robots

### Special solutions for automotive

### Robotics

- HYUNDAI® industrial robots
- HANWHA® collaborative robots
- Low cost automation (delta, scara, ReBel, multi-axis linear robots)
- Drives & flexible energy & media supplies

### 3D printing

- Components
- Tribo-filaments for FDM
- Laser sintering powders for SLS
- Resin for SLA/DLP

### Grippers

- Pneumatic
- Electric
- Vacuum

### PNEUMATIC COMPONENTS

- Compressed air preparation
- Pneumatic actuators
- Valves & valve terminals
- Fittings
- Tubing
- Accessories

### Pressure measurement

- Manometers
- Contact manometers
- Pressure sensors
- Absolute, differential
- Diaphragm seal
- Siphons, vents
- ATEX, SIL

### Temperature measurement

- Thermometers
- Industry standard
- Thermocouples
- Pt100, Pt1000

### Industry heating

- Heating cables
- Heating tapes up to 900°C
- Heating panels custom formats
- ATEX

### Level measurement

- Continuous measurement
- Level switches
- Liquid & bulk solids
- Float, rotary
- Calorimetric
- Ultrasonic & radar
- Capacitive & conductive
- Level indicators
- ATEX, SIL

### Flow measurement

- Continuous measurement
- Flow switches
- Liquids & gases
- Sight glass
- Rotameter, piston valve
- Paddle wheels, dynamic diaphragm
- Calorimetric
- Gear wheel, turbine
- Vortex, ultrasonic
- Flow limiters
- ATEX, SIL

### Industrial seals

- Packings
- Thermoinsulated cords & fabrics
- PTFE sealing tapes
- Flat seals / Gaskets
- Flange seals
- Mechanical seals
- Metallic gaskets

### Production of untypical seals & shaped parts

- Pneumatic seals
- Tools & equipments

### Tools & equipments

- Hydraulic seals
- Static seals
- Shaft seals

### Hydraulic seals

- Rod seals
- Piston seals
- Wipers
- Bearing rings
- Special seals CARCOTEX®

### Static seals

- O-rings
- X-rings
- Back-up rings
- Static seals
- O-ring cords
- Bonded rings

### Shaft seals

- Oil seals
- V-rings
- Special axial seals
- Special oil seals CARCOSEAL®
- Mechanical rotary seals HMT

### Industrial seals

- O-rings
- X-rings
- Back-up rings
- Static seals
- O-ring cords
- Bonded rings

### Production of untypical seals & shaped parts

- Pneumatic seals
- Tools & equipments

### Round coiled springs

- Compression springs
- Extension springs
- Torsion springs
- Conical springs
- Spring boxes

### Die springs

- Extra light load
- Light load
- Medium load
- Heavy load
- Extra heavy load

### Disc springs

- DIN 2093
- Stainless disc springs

### Lock rings

- DIN 7993
- DIN 471
- DIN 472
- DIN 6799

### Motion damping

- Rotary dampers
- Industrial shock absorbers
- Air springs
- Deceleration Cylinders
- Speed controls
- Gas springs
- Pallet stoppers

### Polyurethane springs

- Spring cotter pins

### Spring cotter pins

- DIN 11 024

### Extraction & filter systems

- Industrial filtration of polluted air
- Local filtration equipment

### Fog cannons

- Designed for an effective dust control
- Demolition & construction, coal industry, mining & quarrying, steel & slag, etc.

### Coolers

- Air coolers
- Oil coolers
- Motor coolers
- Customized cooling systems

### Hydraulic accumulators

- Bladder accumulators HBS
- Low pressure bladder accumulators HBS
- Diaphragm accumulators HMS
- Piston accumulators HPA
- Pressure bottles HDF
- Accessories

### Heat exchangers

- Plate heat exchangers
- Tubular heat exchangers
- Microchannel heat exchangers

### Central lubrication systems

- For all branches of industry, for particular machines, lines or for complete plants.
- Total loss lubrication
- Pressure lubrication of bearings by oil or grease
- Bearing lubrication by the oil-air mixture
- Lubrication of gear transmissions
- Lubrication of chains & conveyors
- Lubrication in railway transportation
- Lubrication of cutting tools
- Circulation lubrication

### Lubricants dosing systems

- Automatic or semiautomatic dosing with using of taylor made applicators
- Manual dosing with using of dosing pistol

### Lubricants spreading systems

- Contact
- Non-contact

### Lubrication technique

- Grease nipples
- Grease guns & units
- Automatic lubricators
- Technique for handling with lubricants & fuels
- Accessories of lubricants reservoirs
- Grease lines & fittings

### Lubricants

- SKF, RAZIOL lubricants
- Other lubricants

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