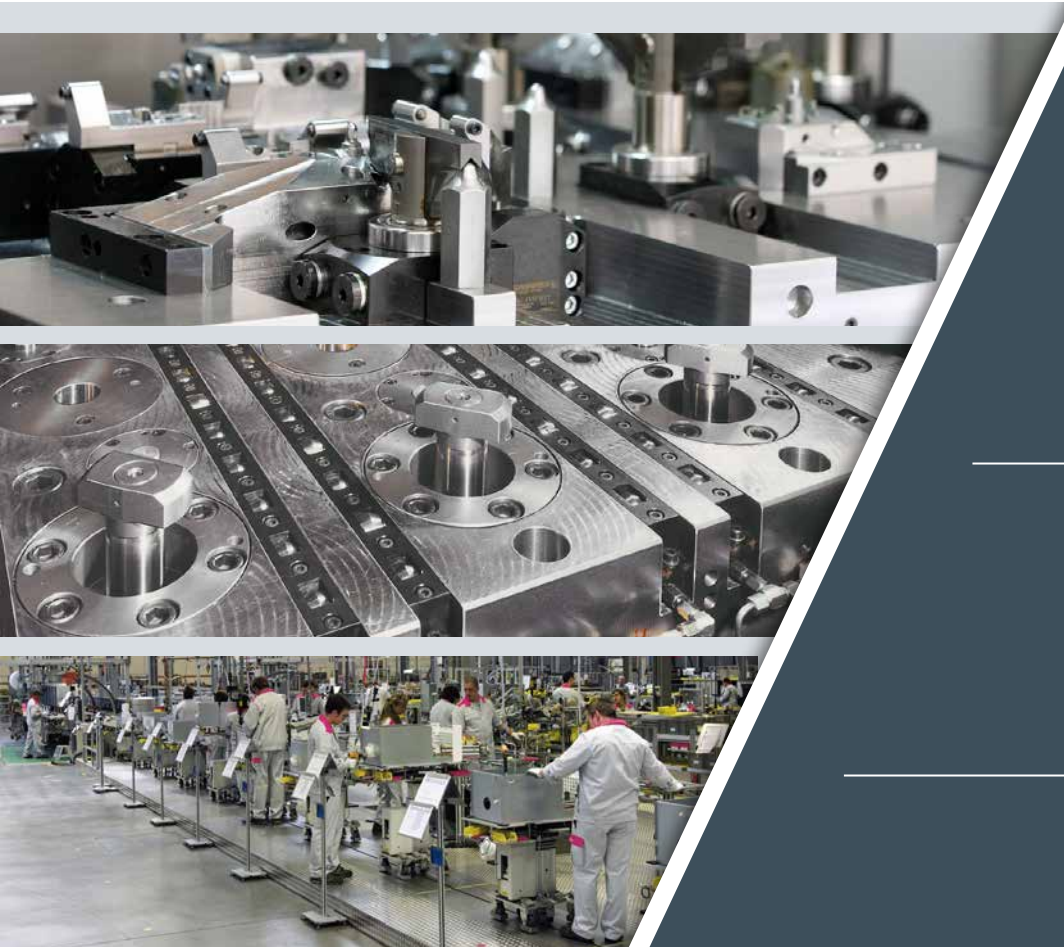




**ROEMHELD**  
HILMA ■ STARK

## PROGRAM SUMMARY

# ROEMHELD Group



### WORKHOLDING

Workpiece clamping technology  
Zero-point clamping technology  
Power units and clamping pumps  
Hydraulic cylinders

[ws.roemheld.com](http://ws.roemheld.com)

### QUICK DIE CHANGE

Die clamping technology  
Magnetic clamping technology  
Quick die changing technology  
Locking cylinders

[wz.roemheld.com](http://wz.roemheld.com)

### ASSEMBLY AND HANDLING

*moduhub* handling technology  
Bearing presses  
Linear actuators

[mh.roemheld.com](http://mh.roemheld.com)



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## Quality as an obligation

To take a leadership role in the national as well as international quality competition the ROEMHELD Group feels obliged to a continuous process of improvements. Thereby the high quality of the processes and products is always guaranteed even with continuously changing demands on the market.

Certification as per EN ISO 9001:2000 guarantees the compliance with standard guidelines.

In addition, it is a stated objective to make the products and services of the ROEMHELD Group an established idea of quality. This will be a long-term guarantee that the ROEMHELD Group will offer efficient and economic products and will contribute to a considerable extent to the success of its customers.

## Solutions from the catalogue or as a customer-specific design

In addition to the most comprehensive range of catalogue elements and systems, available in clamping technology, the ROEMHELD Group permanently develops, designs, manufactures and supplies customer-specific solutions in cooperation with their customers.

This program summary of the product range of the ROEMHELD Group shows essentially the catalogue program.

Please contact for customer-specific designs the corresponding companies of the ROEMHELD Group.

## International aimed at global presence

Beside national customers, which are well looked after by 17 sales partners in Germany, export is more and more important. Already today the ROEMHELD Group shows an export share of approx. 50 %, which increases to more than 65 % because of indirect exports.

Subsidiaries in Great Britain, France, USA, China, Japan, and South Korea as well as numerous sales partners guarantee worldwide an intensive consultation, an efficient sale and an extensive service for the customers of the ROEMHELD Group.

## Sustainability The protection of the environment is important to us

The companies of the ROEMHELD Group have their own environmental management systems. These ensure that the impact of the production on the outside world is kept to a minimum, only the necessary extent of emissions occur and resources such as energy, water, air and raw materials are used as carefully as possible.

The environmental management system of ROEMHELD is certified according to EN ISO 14001.



## ROEMHELD a strong Group

Römheld forms together with the specialists in clamping technology Hilma-Römheld and Stark Spannsysteme a group of companies, which offers an extensive product range in the field of clamping technology for production engineering. The product range is supplemented by numerous hydraulic elements for general industrial use, as well as components and systems of the assembly and drive technology.

The ROEMHELD Group comprises about 500 employees with an annual turnover of approx. 105 million Euro.

### **Römheld GmbH Friedrichshütte**

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Deutschland

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57234 Wilnsdorf-Wilden  
Deutschland

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### **Stark Spannsysteme GmbH**

Römergrund 14  
6830 Rankweil  
Austria

[www.stark-roemheld.com](http://www.stark-roemheld.com)





## Hydraulic cylinders | Hydraulic workholding elements

**Hydraulic cylinders for linear motions of every type**  
operating pressure: up to 500 bar

### Swing clamps

#### Clamping elements with swing piston

with/without position monitoring  
max. clamping force: 0.6... 41 kN  
clamping stroke: 6... 50 mm



### Swing clamps, configurable

#### Configurable swing clamping

Bottom flange, top flange, threaded-body type  
Right or left swivelling or non-swivelling



### Work supports

#### Elements to support workpieces

single or double acting  
max. load force: 4... 102 kN  
plunger diameter: 16... 50 mm  
plunger stroke: 6... 20 mm



### Bore clamps

#### Clamping elements for clamping in bore holes

with/without centring function / with pull-down clamping  
with/without seat check  
bore hole diameter: 6.6... 46 mm  
max. low-clamping force 0.6... 24.5 kN



### Hinge clamps

#### Clamping elements with operation of a clamping lever

with/without position monitoring  
max. clamping force: 1.3... 21.5 kN  
clamping stroke/clamping range: 2.0... 9.0 mm



### Concentric clamping elements

#### Clamping elements for concentric positioning and clamping

for exterior and interior clamping  
max. clamping force: 5... 44 kN  
repetitive clamping accuracy :  $\pm 0.005$  mm





### Fixture clamps

#### Compact standard clamping systems for use on fixtures

with fixed jaw, concentric or position flexible  
max. clamping force: 6.5 ... 15 kN  
jaw width: 40 ... 65 mm



### Position flexible clamping elements

#### Clamping elements for "floating" clamping

for exterior and interior clamping  
with/without position monitoring  
max. clamping force: 7.5 kN



### Threaded-body cylinders

#### Compact hydraulic cylinders and built-in pistons for screwing in

piston diameter: 8 ... 50 mm  
stroke: 4 ... 40 mm



### Clamps / clamping cylinders

#### Clamping elements for clamping in small recesses

with/without position monitoring  
with/without self-locking  
max. clamping force: 2.5 ... 50 kN



### Block cylinders

#### Hydraulic cylinders with block-type body made of steel, aluminium or bronze

with/without end position monitoring  
Optional:  
With position measuring system, ice scraper, stainless  
steel, cooling, multiple pistons, tandem cylinder, high  
temperature and much more.  
piston diameter: 16 ... 200 mm  
stroke: 8 ... 200 mm



### Hydraulic slides

#### Hydraulic cylinders with integrated guides

with/without end position monitoring  
piston diameter: 25 ... 100 mm  
stroke: 20 ... 200 mm



### Hydraulic cylinders

#### Hydraulic cylinders, design with tube

with/without end position monitoring  
piston diameter: 25 ... 80 mm  
stroke: 60 ... 1200 mm



### Universal cylinders

#### Hydraulic cylinders with round housing

for axial adjustability  
piston diameter: 10 ... 63 mm  
stroke: 8 ... 100 mm



### Hollow-piston cylinders

#### Clamping cylinders with through hole in the piston

piston diameter: 20 ... 80 mm  
max. push force: 10 ... 153 kN  
clamping stroke: 6 ... 40 mm





## Workholding systems | Machine vices

Mechanically, mechanically-hydraulically or hydraulically operated standard fixtures for workpieces

### Machine vices

**mechanically-hydraulically or hydraulically operated clamping against the fixed jaw**

- with hydraulic power transmission
- completely encapsulated lead screw area
- sizes: 100, 125 und 160 mm
- max. clamping width: 1227 mm

### HILMA.NC



### 5-axis workholding systems

**mechanically or hydraulically operated clamping against the fixed jaw or concentric clamping**

- compact design
- collision-free tool paths
- sizes: 60 ... 125 mm
- max. clamping width: 1000 mm

### HILMA.MCP

### HILMA.SCS

### HILMA.UC



### Double workholding systems

**mechanically, mechanically-hydraulically or hydraulically operated clamping against the fixed jaw**

- safe loading and unloading by 3rd-hand function
- max. clamping width: 80 ... 160 mm

### HILMA.DS

### HILMA.NC

### HILMA.DUO





### Multiple workholding systems

#### mechanically operated clamping against the fixed jaw

- compact design
  - modular design
- max. clamping width: 24 and 120 mm

### HILMA.MSH



### Concentric workholding systems

#### hydraulically operated, double acting concentric clamping

- high repetitive clamping repeatability  $\pm 0.01$  mm
  - fixing and mounting possibilities
- for customer-specific clamping jaws  
max. clamping width: 100, 125 and 160 mm

### HILMA.ZH



### Automation

#### hydraulically operated, double acting clamping against the fixed jaw

- also available with position measuring system (electrically or via flow rate)
  - setups can be automated
- sizes: 100 ... 125 mm  
hydraulic stroke: up to 250 mm

### HILMA.ASH



### Clamping jaws (Extract)

top jaws with grip  
spacer jaws  
precision step reversible jaws  
precise step bars  
formed jaws  
central jaws  
pendulum jaws  
precision step jaws  
Vee jaws  
QIS base jaws  
with permanent magnets  
QIS interchangeable jaws, smooth  
QIS interchangeable jaws, serrated  
QIS interchangeable jaws, crowned  
QIS interchangeable jaws, stepped  
QIS interchangeable jaws, prismatic  
QIS interchangeable jaws, soft  
floating central jaws  
SlimFex jaws  
clamping jaws, soft  
clamping jaws, extra high  
clamping jaws, extra large  
clamping jaws with grip bar  
special grip jaws  
reversible step jaws  
interchangeable inserts, round, with grip  
interchangeable inserts with grip / smooth  
interchangeable inserts  
with hard-metal coating / smooth  
reversible jaws



### Tower workholding systems

#### clamping against the fixed jaw HILMA.TS TriStar with 3 clamping sides HILMA.TS with 4 clamping sides

mechanically operated  
jaw opening: 80, 100 and 125 mm

### HILMA.TS TriStar



### HILMA.TS



### HILMA.SCT





# Zero point clamping systems

Clamping systems for exact zero point positioning and clamping of the workpieces and fixtures

## STARK.classic

single acting, hydraulically or pneumatically  
clamping control, mount control, blow-out,  
media duct  
max. insertion force: 30 kN  
max. retention force: 55 kN



## STARK.balance

single acting, hydraulically  
clamping: mechanically  
unclamping: pneumatically  
max. insertion force: 20 kN  
max. retention force: 38 kN



## STARK.hydratec

double acting, hydraulically  
clamping: hydraulically  
unclamping: hydraulically  
max. clamping force: 20 kN  
max. retention force: 38 kN



## STARK.sweeper

clamping: mechanically  
unclamping: hydraulically or pneumatically  
max. pull-in force: 20 kN  
max. retention force: 38 kN



## STARK.plaintec

double acting, hydraulically  
clamping: hydraulically  
unclamping: hydraulically  
max. clamping force: 50 kN



## STARK.easyclick

single acting, pneumatically  
clamping: mechanically  
unclamping: pneumatically  
max. clamping force: 5 kN  
max. retention force: 10 kN



## STARK.basic

single acting, pneumatically  
clamping: pneumatically  
unclamping: mechanically  
max. retention force: 1,5 ... 9 kN



## STARK.airtec

single acting, pneumatically  
clamping: mechanically  
unclamping: pneumatically  
max. clamping force: 20 kN  
max. retention force: 55 kN



## STARK.connect

single acting, pneumatically  
clamping: mechanically  
unclamping: pneumatically  
max. pull-in force: 3 ... 10 kN  
max. retention force: 10 ... 30 kN



## STARK.metec

**Mechanical zero-point clamping system**  
clamping: mechanically  
unclamping: mechanically  
max. retention force: 12 ... 50 kN



## Couplings

**universal and compact  
for hydraulics, pneumatics,  
vacuum and electrics**





## Plates – Angles – Cubes

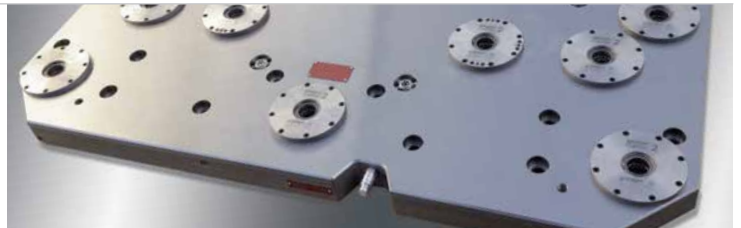
**From standard elements to systems for flexible use - with minimum set-up time**  
– mechanical – hydraulic – pneumatic – electrical – single acting – double acting –

### Quick-locking plates

#### for milling machining

from standard components, adapted to the machine and machining task

- fully assembled with 3D dimensional and functional test

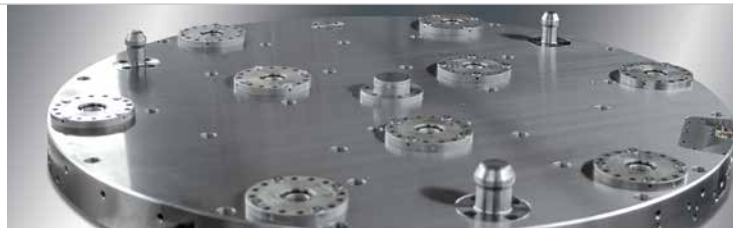


### Quick-locking plates

#### for turning machining

from standard components, adapted to the machine and the machining task

- standard clamping monitoring
- applicator for pre-centring



### Quick-locking cubes

#### for milling machining

from standard components, adapted to the machine and the machining task

- 3rd-hand-function (DHF) prevents the dropping of the parts

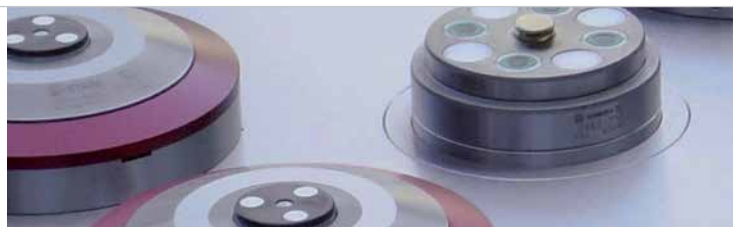


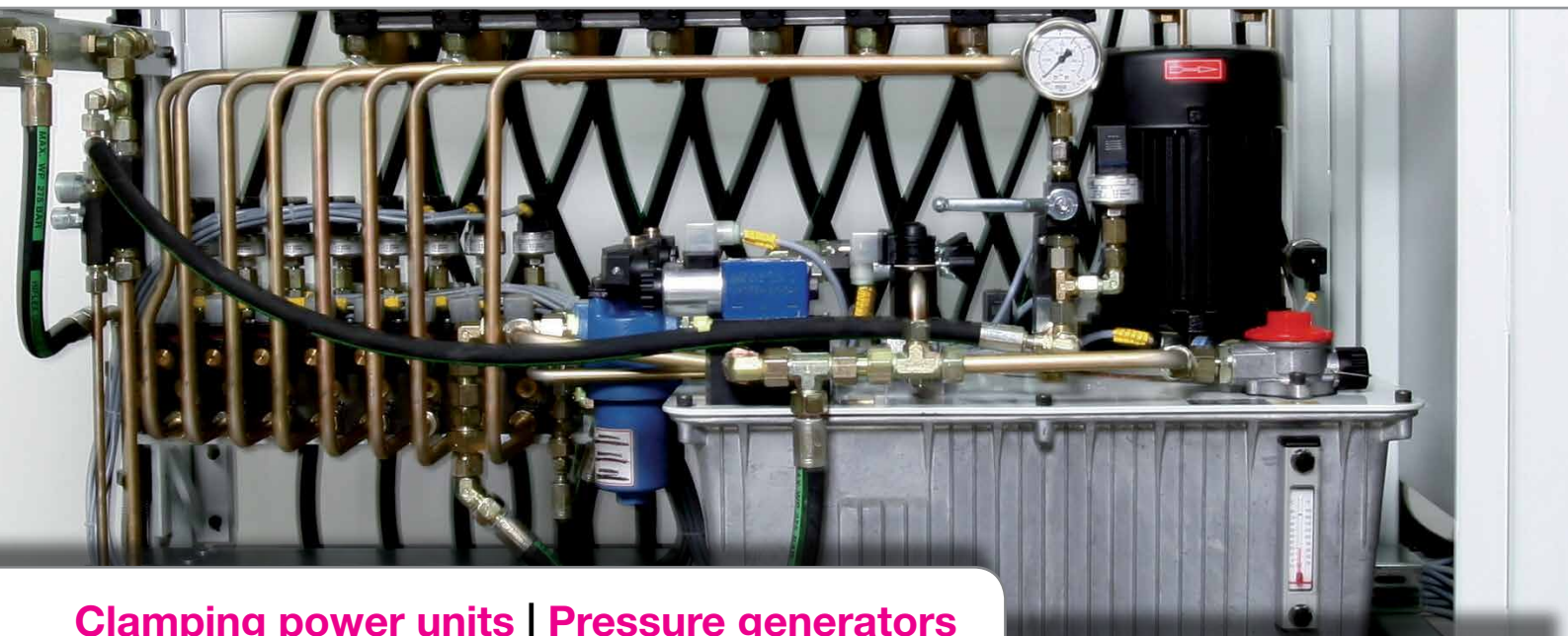
### Quick-locking plates

#### for the automation

from standard components, adapted to the machine and machining task

- flow power as interface for pneumatic or hydraulic clamping fixtures and signal queries





## Clamping power units | Pressure generators

Clamping power units, hydraulic power units, hydro-pneumatic pump units and manually-operated pumps to generate and control hydraulic pressure

### Power units D 8.013

**with two-hand operator console**

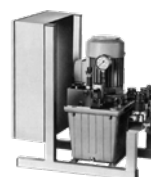
flow rate: 0.9 ... 4.5 l/min  
max. operating pressure: 50 ... 500 bar  
reservoir volume: approx. 11 l  
voltage: 400 VAC



### Power units D8.015

**with proportional pressure adjustment**

flow rate: 0.9 l/min  
max. operating pressure: 500 bar  
reservoir volume: approx. 11 l  
voltage: 400 VAC



### Power units D8.031

**basic versions**

flow rate: 0.9 ... 24 l/min  
max. operating pressure: 50 ... 500 bar  
reservoir volume: 11, 27, 40 and 63 l  
voltage: 400 VAC



### Power units D 8.026

**modular design**

flow rate: 0.9 ... 24 l/min  
max. operating pressure: 120 ... 500 bar  
reservoir volume: 11, 27, 40 and 63 l  
voltage: 400 VAC



### Power units D 8.0115

**ready for connection  
energy-saving intermittent cycling**

flow rate: 0.8 ... 3.5 l/min  
max. operating pressure: 160 ... 500 bar  
reservoir volume: approx. 5 l  
voltage: 400 VAC



### Manually-operated pumps

**Hydraulic pumps  
for single-acting cylinders**

operation by hand or foot lever  
displacement per stroke: 2 ... 12 cm<sup>3</sup>

**Screw pumps**

displacement: 21 cm<sup>3</sup>

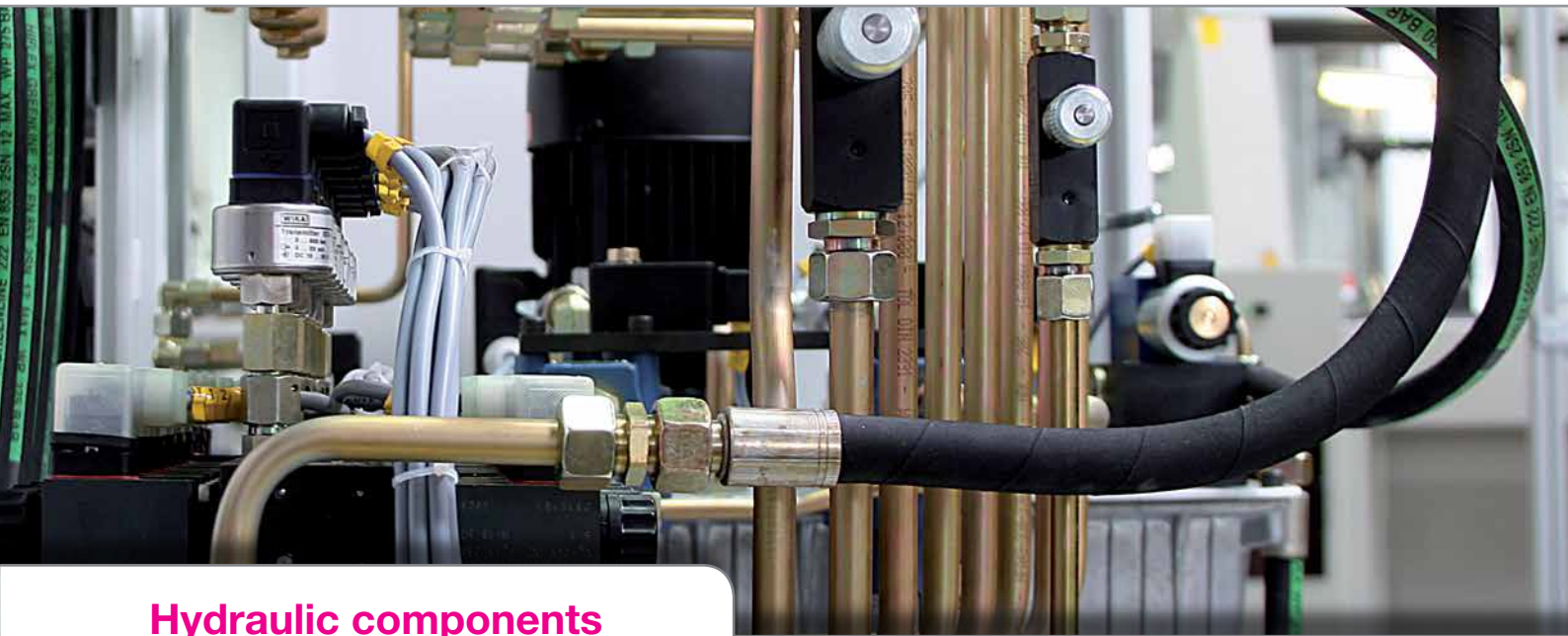


### Hydro-pneumatic pump units

**for single and double acting cylinders**

flow rate: 0.85 ... 1.5 l/min  
air pressure: 0.85 ... 5.0 bar  
max. operating pressure: 500 bar





## Hydraulic components

Elements for oil supply and control to hydraulic elements

### Hydraulic valves

**Directional control and shut-off valves**  
**Throttle and pressure control valves**  
**Pressure relief valves**  
**Check valves**  
**Sequence valves**  
**Valve combinations**



### Hydraulic accumulator

**Diaphragm accumulator for hydraulic oil with nitrogen gas filling**  
nominal volume: 13 ... 750 cm<sup>3</sup>  
ports: G<sup>1</sup>/<sub>4</sub> ... G<sup>1</sup>/<sub>2</sub>  
max. operating pressure: 250 ... 500 bar



### Rotary couplings

**Rotary couplings and rotary valve couplings**  
for oil supply to rotating and swivelling installations  
max. operating pressure: 500 bar



### Intensifiers

**hydraulic-hydraulic or pneumatic-hydraulic**  
single and double acting  
max. output pressure: 500 bar



### Pressure transducer

**piston pressure switch**  
with continuously adjustable switching point  
manifold mounting or G<sup>1</sup>/<sub>4</sub>  
**pressure sensors with radio transmission**  
receiver units with data interfaces



### Coupling elements

**for hydraulic oil, compressed air and vacuum**  
nominal diameter: ND 3 ... 8  
max. flow rate: 8 ... 35 l/min  
max. operating pressure: 300 ... 500 bar



### Multi-couplings

**2 to 12 passages**  
nominal diameter: ND 5 ... 8  
depressurised coupling or coupling against pressure  
max. operating pressure: 300 bar



### High-pressure filters

**In-line filters, plug-in filters and rectifier filter**  
filter fineness: 10 and 100 µm  
material: stainless steel and steel  
max. operating pressure: 350 and 500 bar



### Coupling units and systems

**manually or automatically operated**  
for single or double acting elements  
max. operating pressure: 400 and 500 bar



### Piping elements

**Fittings**  
**Hydraulic hoses / Hydraulic oil**  
**Precision steel pipes**  
**Plug-in connectors**  
**Pressure gauges / pipe clamps**





## Electro-mechanical clamping elements

### Electric swing clamps

max. clamping force: 7 kN  
clamping stroke: 23 mm  
swing angle: max. 180°  
voltage: 24 VDC



### Electric wedge clamps

max. retention force: 130 ... 320 kN  
clamping stroke: 20 mm  
voltage: 24 VDC



## FSS clamping systems

**Flexible clamping and support elements for clamping of thin-walled workpieces with free-form surfaces**

### Clamping and supporting elements

**elements with their own linear actuator and vacuum clamping technology**

piston rod Ø: up to 70 mm  
strokes: 100 to 1000 mm  
max. axial support force: 1.2 ... 12.0 kN



The core elements of a FSS clamping system are the clamping and support elements that can be used in unlimited quantity and that together form the contact surface of the workpiece. Since each element can be positioned individually on the relevant workpiece geometry, FSS clamping systems allow for a flexible configuration of individual surfaces to clamp and support workpieces. Depending on the workpiece surface and geometry, clamping forces of 300 N per element and more can be obtained.



## Handling technology

### Rotating modules – horizontal axis

#### for tilting or swivelling of the workpiece around the horizontal axis

manually or electrically operated  
option: indexing  
option: flow power  
workpiece weight: up to 200 kg



### Rotating modules – vertical axis

#### for rotation of the workpiece around the vertical axis

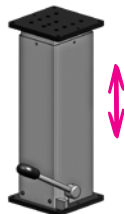
manually or electrically operated  
option: indexing  
option: flow power  
workpiece weight: up to 1000 kg



### Lifting modules

#### for guided lifting and lowering of the workpiece

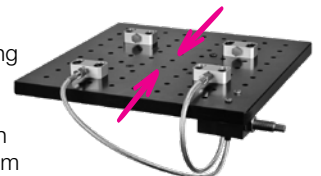
operated by a hydraulic or electrical actuator  
workpiece weight: up to 600 kg  
max. strokes: 200 ... 1000 mm



### Clamping fixtures

#### to clamp workpieces on **moduhub** modules

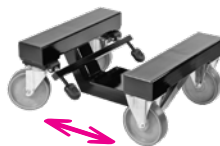
- hydraulic and mechanical clamping elements with universal clamping plate
- quick-change mounting plate with STARK zero point clamping system



### Cart modules

#### to displace manually individual modules or module combinations

with parking brake  
max. load: 2000 and 6000 N



### Accessories

Base plates, Adaptor plates, Flange plate, Table plates, Supply units, Hand panel, Foot switch, Operating panels, Power supply for mobile systems, Command modules



### Floor modules

#### base frame for 1 or 2 modules

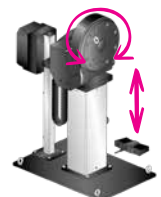
to compensate unevenness of the floor space and good stability  
max. load: 6000 and 8000 N



### Stationary Systems

#### for lifting, rotating and tilting workpieces for safe handling in manual assembly

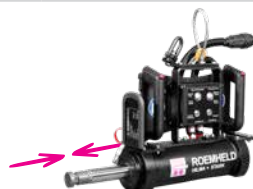
Workpiece weights up to 400 kg



### Bearing press

#### Hydraulic retraction device for bearing installation

Horizontal design for attachment to a crane or balancer  
max. pulling force: 100 kN  
max. strokes: up to 200 mm

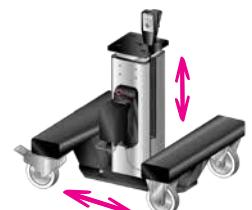


### Mobile Systems

#### for transporting and assembling workpieces

Eliminating transfer processes increases work safety and throughput.

Workpiece weights up to 600 kg





## Die clamping systems

### Die clamping and changing systems for press automation

#### Hydraulic clamping elements

##### Hollow-piston cylinders

for retrofitting on press bed and ram

##### Spring clamping cylinders

for spring-loaded long-term clamping

##### Angular clamps

for clamping on small clamping edges



##### Clamping bars

flat clamping element for bed and ram

max. clamping force: 30 ... 116 kN, piston stroke: up to 8 mm

##### Double-T clamping bars

to use the complete bed or ram surface

max. clamping force: 16 ... 320 kN

##### Sliding clamps

for insertion in T-slots

max. clamping force: 19 ... 78 kN, piston stroke: up to 12 mm



##### Swivel and pull clamps

clamping cylinders with tie rods

##### Wedge clamps

sturdy clamping elements for straight or inclined clamping edge

max. clamping force: 1250 kN

##### Block clamps

with self-locking mechanical lock

max. clamping force: 200 kN



##### Pivot and pull clamps

max. clamping force: 104 ... 160 kN

##### Swing / swing sink clamps

without interfering edges when inserting the die

max. clamping force: 60 ... 164 kN

##### Rapid clamping systems

automatic travelling units with clamping element



##### Pull clamps

pull-type cylinder with tie rod for inaccessible points

##### Wedge swing clamps

with mechanical lock

##### Grip rail couplings

Rapid clamping systems for grip rails





## Electro-mechanical clamping elements

### Tenon-type clamps

clamping by grip and pull movement

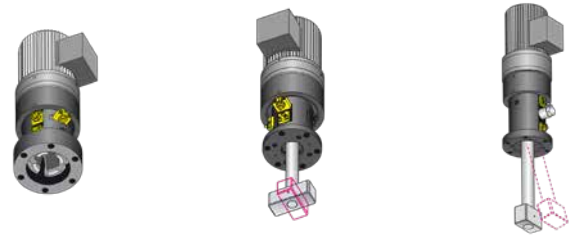
### Swivel and pull clamps

clamping by swivel and lifting movement

### Swing clamps

clamping by swing and lifting movement

max. clamping force: 70 ... 160 kN



### Wedge clamps

compact electro-mechanical power package

max. clamping force: 160 kN, retention force: 300 kN



## Mechanical clamping elements

### Sliding clamps

max. clamping force: 40 ... 80 kN

### High-pressure spindles

max. clamping force: 40 ... 140 kN

### Clamping nuts, mechanical

max. clamping force: 60 ... 200 kN

### Clamping nuts, hydro-mechanical

max. clamping force: 60 ... 150 kN



## Die changing technology

### Roller and ball bars

hydraulic or spring-loaded

### Roller conveyors

without lifting

### Roller and ball inserts

spring-loaded



### Carrying consoles, hanging

max. load per pair: 5 ... 30 kN

### Carrying consoles, supported

max. load per pair: 20 ... 250 kN

### Carrying consoles, swivelling

max. load per pair: 10 ... 60 kN



### Changing carts

for handling of dies up to 500 kg  
with ball table, hydraulic height adjustment  
and safety docking station

### Die changing consoles

with drive system for die weights up to 250 kN

### Push Chain Direct System with Push-Pull System

electrically driven, with push chain drive  
die weight up to 40 tons



## Locking cylinders

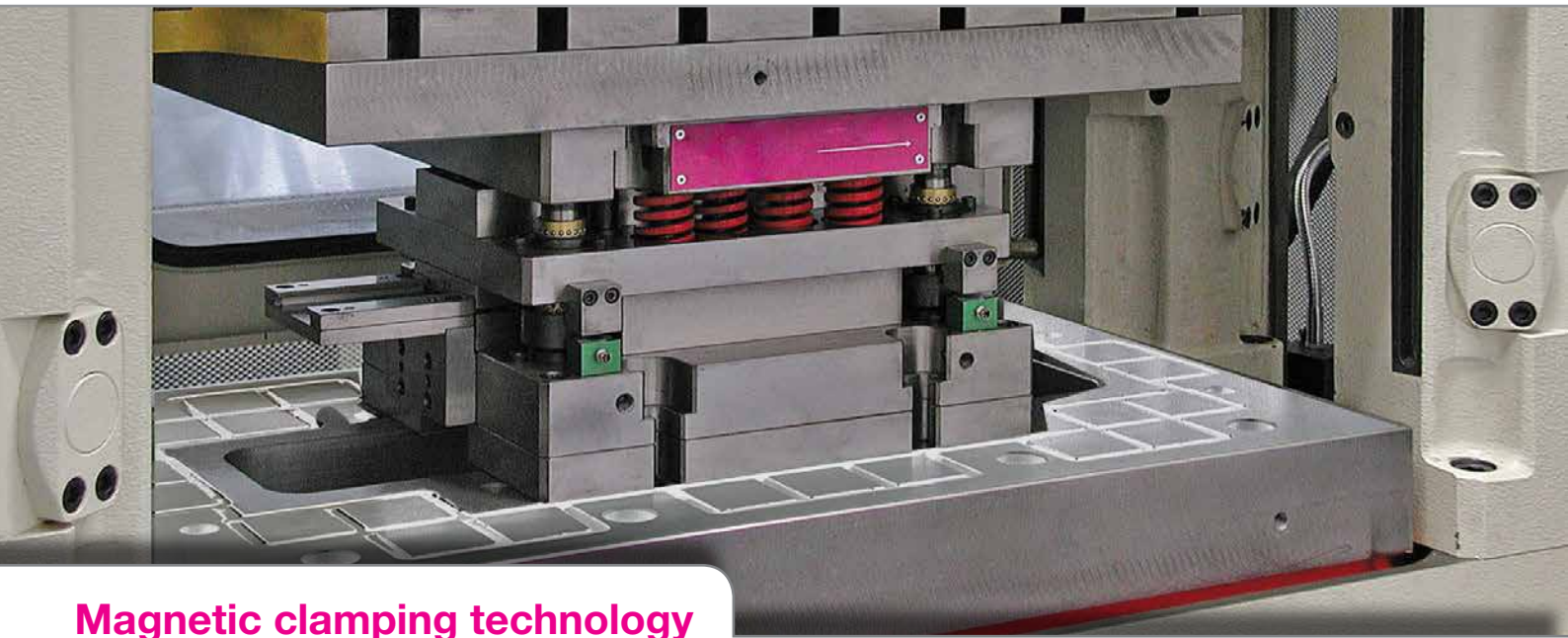
To fix rotors of on- and offshore wind power plants  
for maintenance works

### Rotorlock

hydraulic, mechanical  
or electro-mechanical

sizes: up to 7500 kN side load  
with position monitoring  
corrosion protection as per DIN ISO 12944  
max. temperature range: -40 ... +70 °C





## Magnetic clamping technology

**R-MAG magnetic clamping plates and systems for injection moulding machines, forming presses for sheet metal forming, rubber presses and mould carriers or die casting machines**

### R-MAG-P

**for the plastics industry**  
operating temperature up to 150 °C  
plate thickness: 38 or 55 mm



### R-MAG-F

**For mould carriers and special applications**  
operating temperature up to 100 °C  
plate thickness: 38 or 55 mm



### R-MAG-M

**for sheet metal forming**  
operating temperature up to 100 °C  
plate thickness: 38 or 55 mm



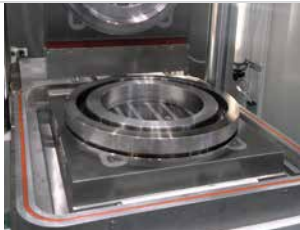
### R-MAG-D

**for die casting machines**  
operating temperature up to 200 °C  
Plattenstärke: 55 mm



### R-MAG-R

**for the rubber and Duroplast industry**  
operating temperature up to 230 °C  
plate thickness: 55 mm





## System solutions for production engineering

**Consulting, design, planning, engineering, construction design, production, delivery, commissioning and maintenance of clamping and positioning systems.**

### All from a single source

#### From the idea to the engineering up to start up and maintenance

If it is the matter of planning of clamping systems for a new machine tool or of optimising and transition to flexible of already existing clamping processes, we give you our advice and support.

Based on your demands, we develop for you ideas and support you in engineering, start up and maintenance.



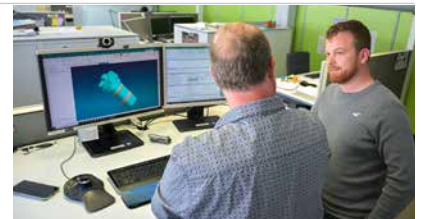
### Expert know-how on call

#### Individual consultation and services

From the first consultation free of cost up to order-related services, our activities for all tasks are adapted to your requests and objectives.

If it is a matter of preparation of concepts or constructional sketches for partial or complete solutions or calculations of amortisations or detailed designs:

You decide yourself which services you would like to use.



### Approved and reliable solutions

#### Clamping and fixture systems made of standard modules

With the experience in realising versatile individual projects in the individual companies of the ROEMHELD Group, we are now in the position to offer an unique, modular product range of clamping and fixture systems.

The use of approved and reliable standard modules is the key for optimised production and engineering costs and guarantees the realisation of individual system solutions without risks.



### System solutions – directly from the manufacturer of power workholding

#### Customer-specific clamping and positioning systems

Our engineering know-how and the huge number of fully-developed clamping and positioning technologies in the ROEMHELD Group allows us to produce and to deliver customer-specific systems.

Due to design and production of the relevant components within the ROEMHELD Group we have access to extended know-how and well-proven production engineering, which together with our engineering know-how guarantees a fully-developed and reliable function of the complete system.





## Drive technology

Electrically and manually operated linear actuators for adjusting procedures under demanding conditions in industry, automotive engineering and medicine technology

### Electrically-operated linear actuators

**version with limit switches  
or stroke measuring system**

max. lifting force: 0.3 ... 6.0 kN  
stroke: 100 ... 600 mm  
voltage: 12 or 24 VDC



### Manually-operated linear actuators

**manual-hydraulic version**

max. lifting force: 4.5 ... 12.5 kN  
stroke: 140 ... 600 mm







**ROEMHELD**  
HILMA ■ STARK

## INNOVATIVE SOLUTIONS AND PIONEERING TRENDS

Innovative and smart clamping technology solutions for workpieces as well as for tools in forming technology and plastics processing form the core of the continuously growing portfolio. It is supplemented by components and systems for assembly and handling technology, drive technology and automation, as well as locking systems for wind turbine rotors.



### WORKHOLDING

Elements and systems for workpiece clamping, hydraulic components and hydraulic cylinders

[ws.roemheld.com](http://ws.roemheld.com)



### QUICK DIE CHANGE

Elements and systems for clamping and changing tools and moulds on presses, punches and injection moulding machines

[wz.roemheld.com](http://wz.roemheld.com)



### ASSEMBLY & HANDLING

Devices and equipment for turning, lifting, tilting and moving heavy workpieces as well as press-fit devices, linear drives and assembly devices for bicycles

[mh.roemheld.com](http://mh.roemheld.com)

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