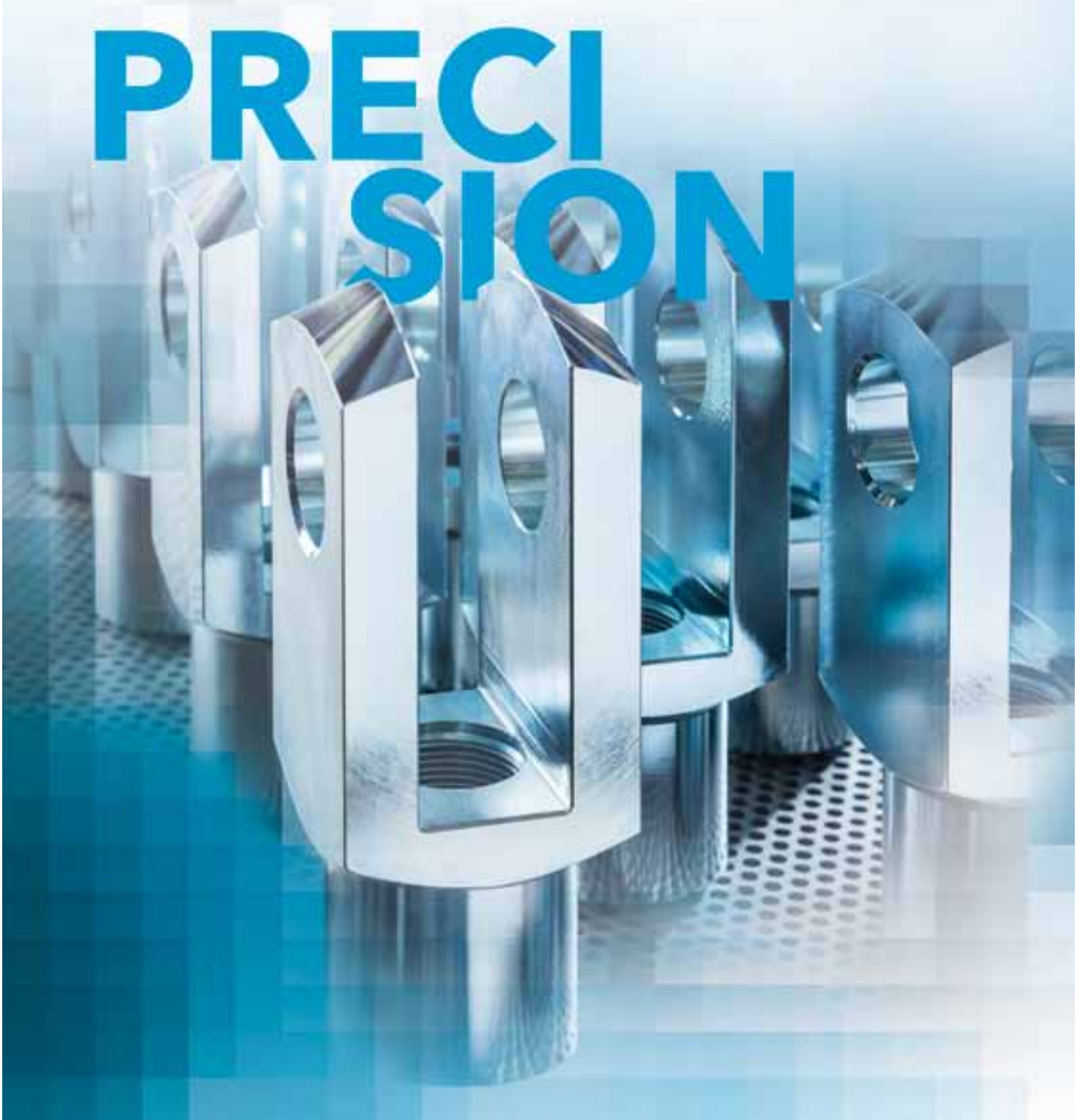




Systematic solutions for
linking technology

OUR PASSION IS

PRECISION



1,080

YEARS OF KNOW-HOW



Strong in the development and production of high-precision linking elements

When Anton Osswald began producing linking elements in a small workshop in 1967, he already had a clear goal in his sights: **only products of the very highest quality** can fulfil the tasks set by customers.

Today we are an international company operating with a workforce of over 70. But our founder's guiding principle holds true today more than ever. This is because our customers expect **maximum precision** and **flawless quality** from us. And this is what we set about delivering every day.



Cutting-edge production and an experienced workforce

In an area covering over 8,000 m² mbo Osswald linking elements such as **clevises, angle joints, bolts and drawing parts** are produced in Kuelsheim-Steinbach every day. Our machinery constitutes the very latest technology that the industry currently has to offer. But all of this would be nothing without the priceless knowledge of our **long-standing employees** who operate these machines.

This combination enables us to produce both standard parts and your most unusual requests promptly and in virtually any quantity at competitive prices.

Partner to industry

Our customers come from a diverse sphere of industries such as **machine construction, plant engineering and construction and vehicle manufacturing**. And regardless of whether you are a major corporation or a small 2-person operation: we will always endeavour **to fulfil your wishes and requirements down to the finest detail**.

12,000

STANDARD PARTS IN STOCK



Our standard parts - always ready for call-off

Our product range features **more than 12,000** different standard and DIN parts and is therefore one of the most extensive in the industry. We even stock most of these parts permanently for call-off in our warehouse. This enables us to deliver most of the parts at very short notice - often within 24 hours.

Thanks to our **highly modern production facilities** and ingenious tool technology, we can produce for you those parts that we don't hold in stock within a **very short period of time** at competitive prices and in tried-and-tested "**mbo Osswald quality**".

As well as in free-cutting steel and stainless steel, we also offer our standard parts in the following steel variants for special applications:

- Corrosion-resistant steel
- Seawater-resistant steel
- High-temperature steel
- High-tensile steel
- Duplex steel

Our DIN / standard range

- Clevises and clevis joints
- Bolts
- Retainers
- Angle joints, ball sockets, ball studs and axial joints
- Rod ends and pivoting bearings
- Knuckle eyes
- Joint rods and joint combinations
- Cardan joints
- Machine elements



- 1 Cotter bolt
- 2 Rod end with female thread
- 3 Clevis joint with folding spring bolt
- 4 Mating piece for clevises
- 5 Joint rod
- 6 Ball stud
- 7 Angle joint
- 8 SL-retainer
- 9 Clevis with male thread

Your contact person for standard products

Gerlinde Ruck

Tel. +49 (0) 9345 670-121
Mail g.ruck@mbo-osswald.de

Only those who master "Standard" can also deliver "Individual" perfectly

With almost **50 years experience** in the manufacture of high-quality linking elements we know what matters in the production of precision parts. That's why, as well as our standard range, we also produce for our customers **individual custom-made designs** according to their specifications with **maximum precision**.

We manufacture for you turned parts from the bar

- with diameters ranging from 4 to 65 mm
- up to a length of 350 mm

Cross holes, turned grooves, millings, polygonal turning and complicated geometries are not a problem for us.



Full service from a single source

We also manufacture on request **complete subassemblies**. And, if you wish, we will also **assemble, package, label** and **stockpile** the components according to your specifications.

This can mean that we also have access to your internal stocks-on-hand and will deliver to you automatically as soon as minimum stock levels are indicated. **Why not discuss this with us - virtually everything is possible.**



High flexibility and repeat accuracy

Our ultramodern machinery provides for special **repeat accuracy** with **extremely short machining times**.

Thanks to this enormous flexibility we can manufacture practically anything for you

- from a **simple workpiece** of free-cutting steel right up to a **geometrically complex part** of high-tensile steel with the closest tolerances and surface specifications
- from a **quantity of 1** up to a **large run**



48,392

TESTED TURNED
PARTS PER DAY

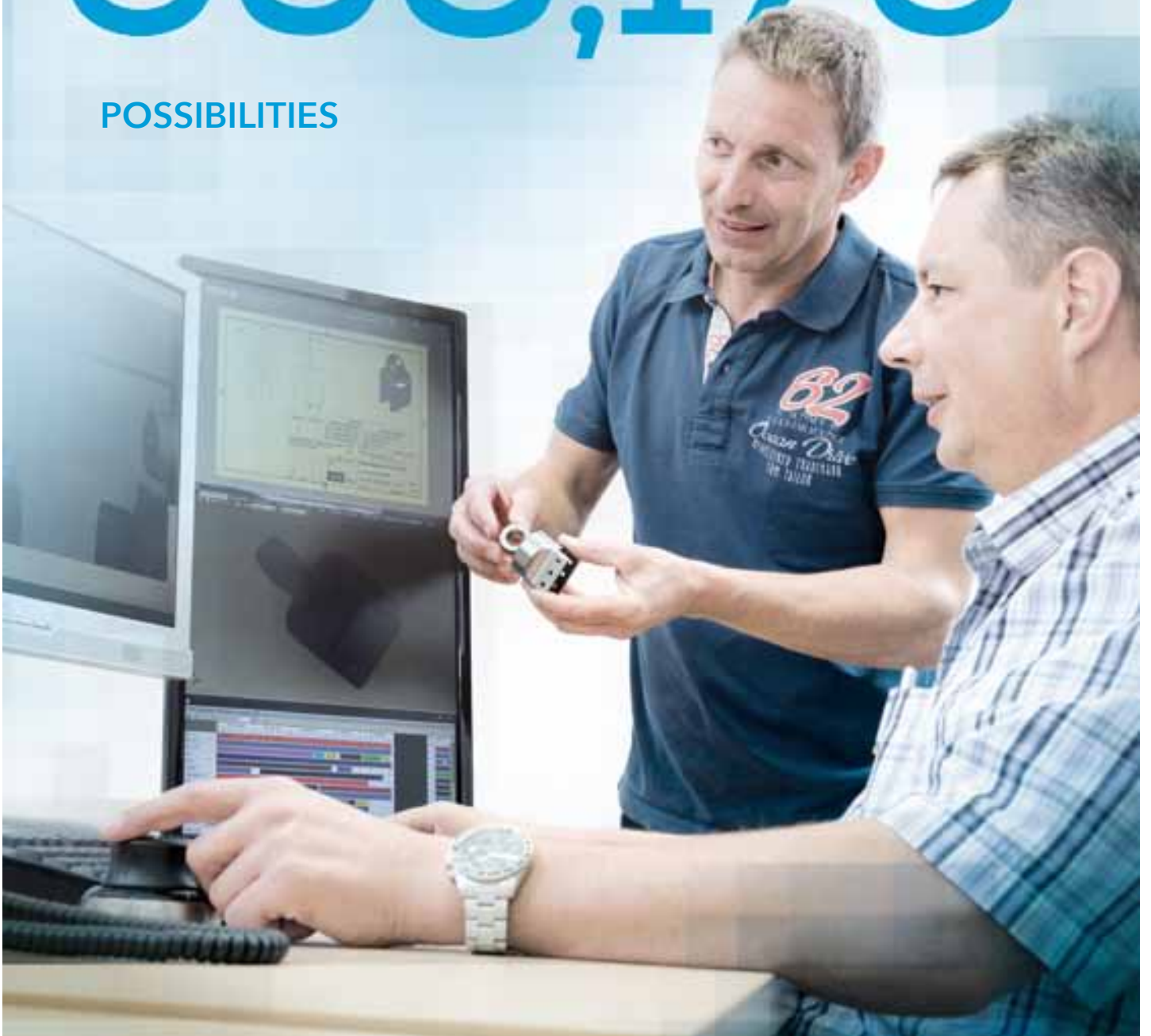
Your contact person
for drawing parts

Daniel Fleuchaus

Tel. +49 (0) 9345 670-143
Mail d.fleuchaus@mbo-osswald.de

658,173

POSSIBILITIES





No customer request is too big or too unusual for us

Do you need more than just a standard linking element? Do you have any **special requirements**? We provide detailed advice and develop **tailored, innovative suggestions**.

Thanks to our many years of experience we know exactly how your project has to be intelligently and efficiently implemented. No job is too difficult for us. Quite the opposite - **the more complex the requirements, the more appealing it is for us to come up with a fantastic solution.**

In good hands from start to finish

First we establish together with you the boundary conditions for your project. Then our development team elaborates concepts. In this phase already our specialists recognise the potential for optimisation.

Any changes requested by you are implemented by our specialists directly. At the end you receive prototypes or samples for a detailed test phase.

We accompany you through the entire development process and are on hand to provide help and advice.



From idea to realisation

It doesn't matter whether you come to us with quite concrete specifications or just with a vague idea, and whether the part in question is a simple turned part or a highly complex subassembly: **our specialists will come up with a clever solution.**



Your contact person for product development

Juergen Schuessler

Tel. +49 (0) 9345 670-132
Mail j.schuessler@mbo-osswald.de



We live quality

Our customers rely on us. And that's why no product leaves our premises without having been subjected to our **stringent quality criteria in accordance with DIN EN ISO 9001:2008**. From delivery of the raw material to delivery of the finished product, optimum production and assembly conditions as well as **permanent, standardised controls** provide for high process reliability.

Our high quality standards extend far beyond our products. We offer our customers the best possible quality **in all aspects of our business relationship**.

Innovative products require modern machines

Our machinery is among the most modern in the industry. This enables us to respond at all times with **speed, flexibility and expertise** to your challenges and also to meet ambitious delivery deadlines.



- Rotary indexing production - in an **uninterrupted production process** from raw material to the end product
- Cutting-edge **CNC turning/milling centres** in a variety of performance ranges
- Machinery developed in-house and optimised for **special solutions**
- **Fully automatic** electronic machine and tool monitoring

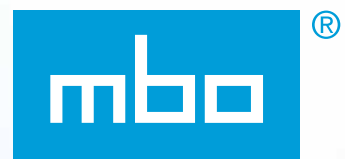
- Permanent and documented **quality testing** in the production process
- High-performance **tool concepts** for individual requirements

Thus we can manufacture products which stand up to any comparison when it comes to **quality** and **price/performance ratio**.



100%

Where to find us



Systematic solutions for
linking technology

mbo Osswald GmbH & Co KG

Metal processing · Linking technology

Steingasse 13
D-97900 Kuelshheim-Steinbach
Tel. +49 (0) 9345 670-0
Fax +49 (0) 9345 6255
Mail info@mbo-osswald.de

www.mbo-osswald.com