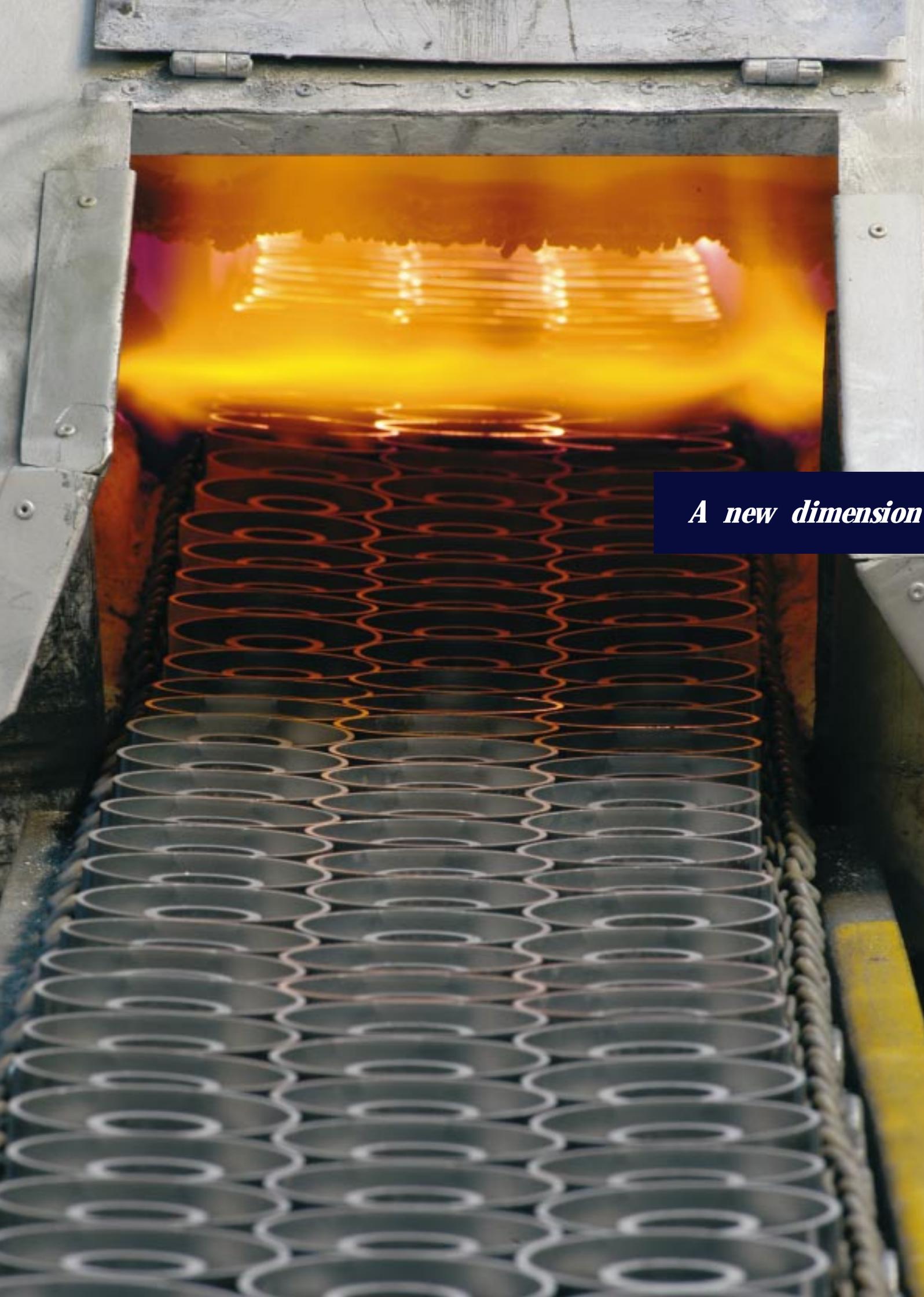


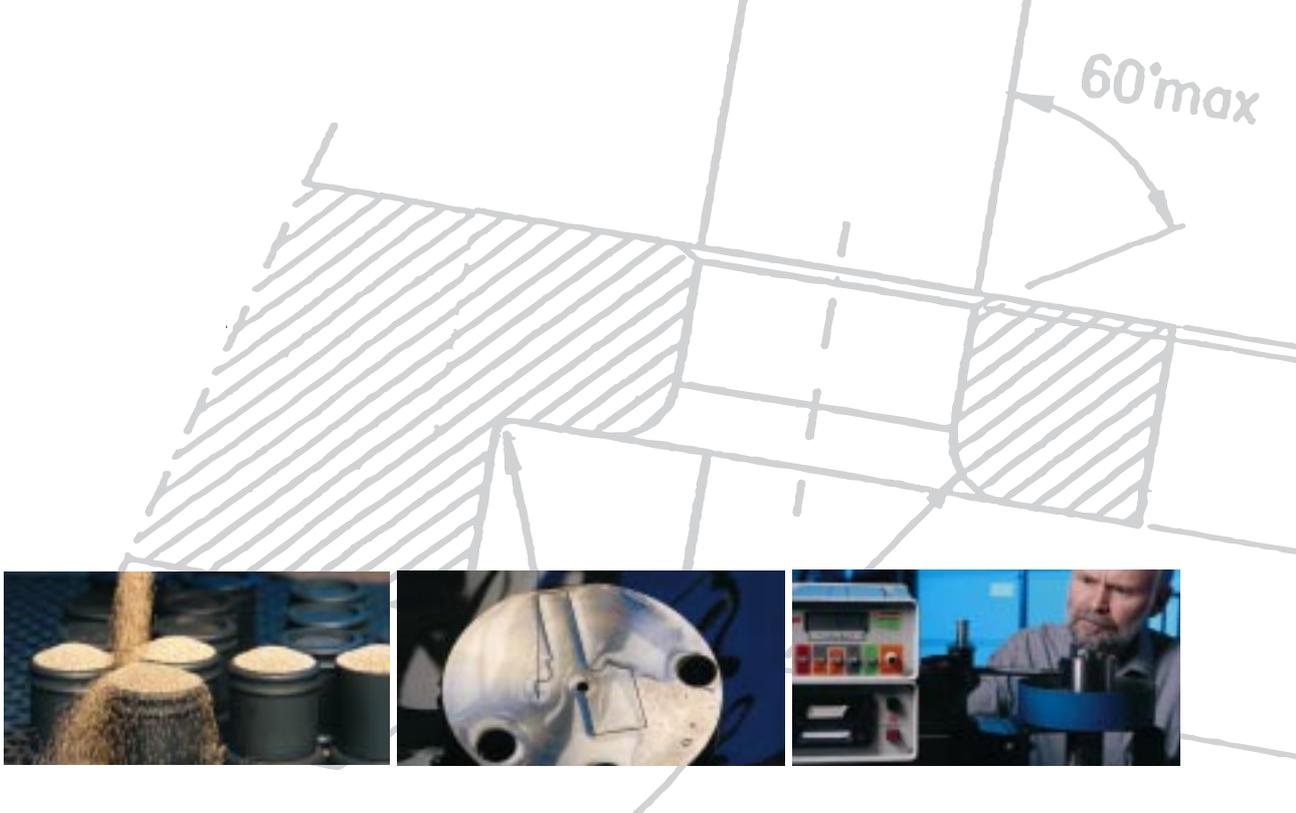
A close-up photograph of several interlocking metal gears. The gears are made of a light-colored metal, possibly aluminum or steel, and have a fine, uniform tooth profile. The lighting is dramatic, highlighting the metallic texture and the shadows between the teeth. The background is dark, making the gears stand out.

*Creating powerful shapes*

DANSK SINTERMETAL A/S



*A new dimension*



## *in the production process*

### ***Together we create success!***

Dansk Sintermetal A/S has been developing ideas and innovative solutions in the design and manufacture of high-quality sintered products ever since it was founded in 1959.

It is our objective to contribute to the continued success of our customers with both competence and a wealth of ideas as part of a working relationship that aims to create sustainable solutions.

We give priority to the close contact that guarantees the effective transformation of specific customer requirements into new and better products or processes.

### ***What can we offer?***

Contact with Dansk Sintermetal A/S is a contact with many years of experience, technical advice at a high level, and manufacturing facilities with the resources for large-scale production and the flexibility for short runs.

We supply complex metallic components made by pressing and sintering metal powder, primarily iron, steel, stainless steel, bronze and certain copper-based alloys.

At Dansk Sintermetal A/S we have the skills and technology to optimise materials and processes so that the finished product is according to the customers expectations.

Combined with targeted training of the workforce, we use the latest technology to ensure optimum production processes and a consistently high quality.





### ***A unique manufacturing process***

In powder pressing a metal powder is compacted under high pressure in a closed tool. Pressing produces the geometric shape of the component and creates the basis for the mechanical properties of the end product.

The next process, sintering, is a heat treatment that typically takes place at a temperature several hundred degrees below the base material's melting temperature.

During sintering the powder grains in the component coalesce by means of an atomic diffusion process, producing the final material properties.

The result is a finished part with a complex geometry, narrow tolerances and very good mechanical properties that is manufactured using a few rational process steps.

### ***Material properties***

Using modern powder-metallurgical materials it is possible to achieve strength properties equivalent to those of forged steel.

At Dansk Sintermetal A/S we can offer a number of advanced powder types, ranging from high-performance steel, through stainless steel, to SMCs (soft magnetic composites).

Sintered components can generally be finished in exactly the same way as the equivalent solid materials. Machining, tempering, case hardening and galvanising are therefore routine.

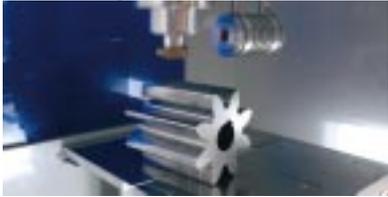
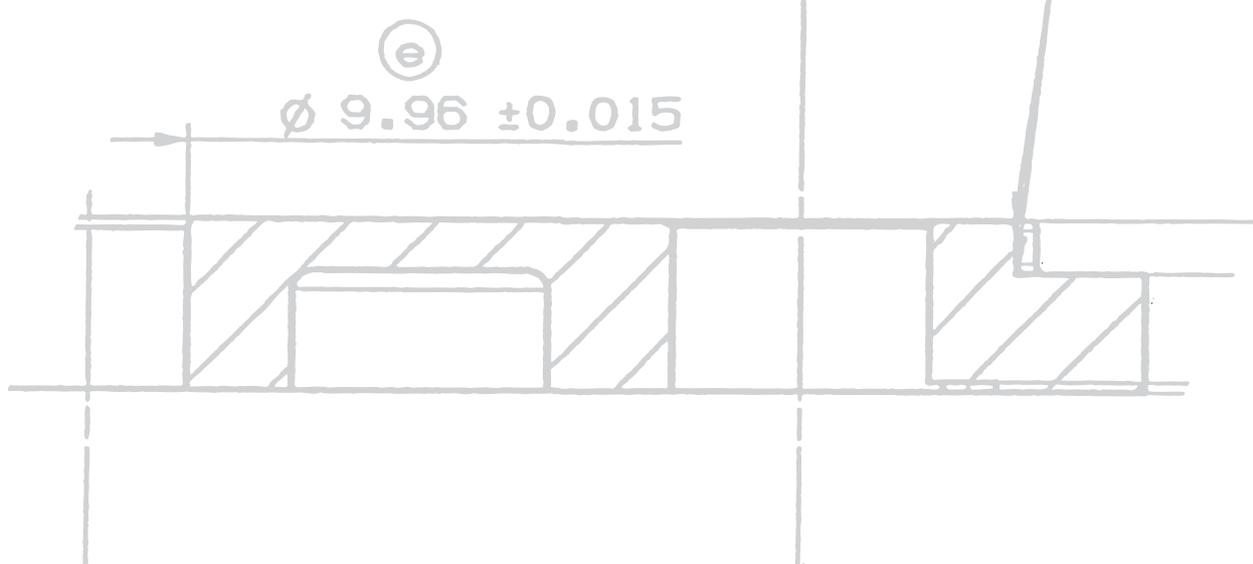


*Innovative solutions*





*Compelling quality*



*- all the way*

***Quality at every stage!***

Our committed workforce is a guarantee of top quality at every stage, right from initial contact with the customer to the finished component going into series production.

Consistent training of the workforce at every level and use of the latest technology, combined with our ISO-certified quality and environmental management systems, ensure that our services always fulfil market requirements with regard to quality and environmental awareness. Our status as a long-standing supplier to respected manufacturers of quality products is something we are proud of. It is also the best proof that we supply quality at every stage – always!

***We can create added value – for you too!***

Powder pressing and sintering are manufacturing techniques that are gaining more and more ground – and Dansk Sintermetal A/S has been helping to set the agenda for many years.

The infinitude of applications is best illustrated by our very broad customer base. We thus supply components that go into everything from wheelchairs to missiles, and from insulin syringes to marine engines.

We are ready to take on new challenges with our skills and resources.

Therefore we invite you to contact us and test our claim; we can create added value – for you too!





## **DANSK SINTERMETAL A/S**

Sverigesvej 10 · DK-6100 Haderslev · Denmark  
Tel. +45 7452 6511 · Fax +45 7452 0580  
[www.sintermetal.com](http://www.sintermetal.com)