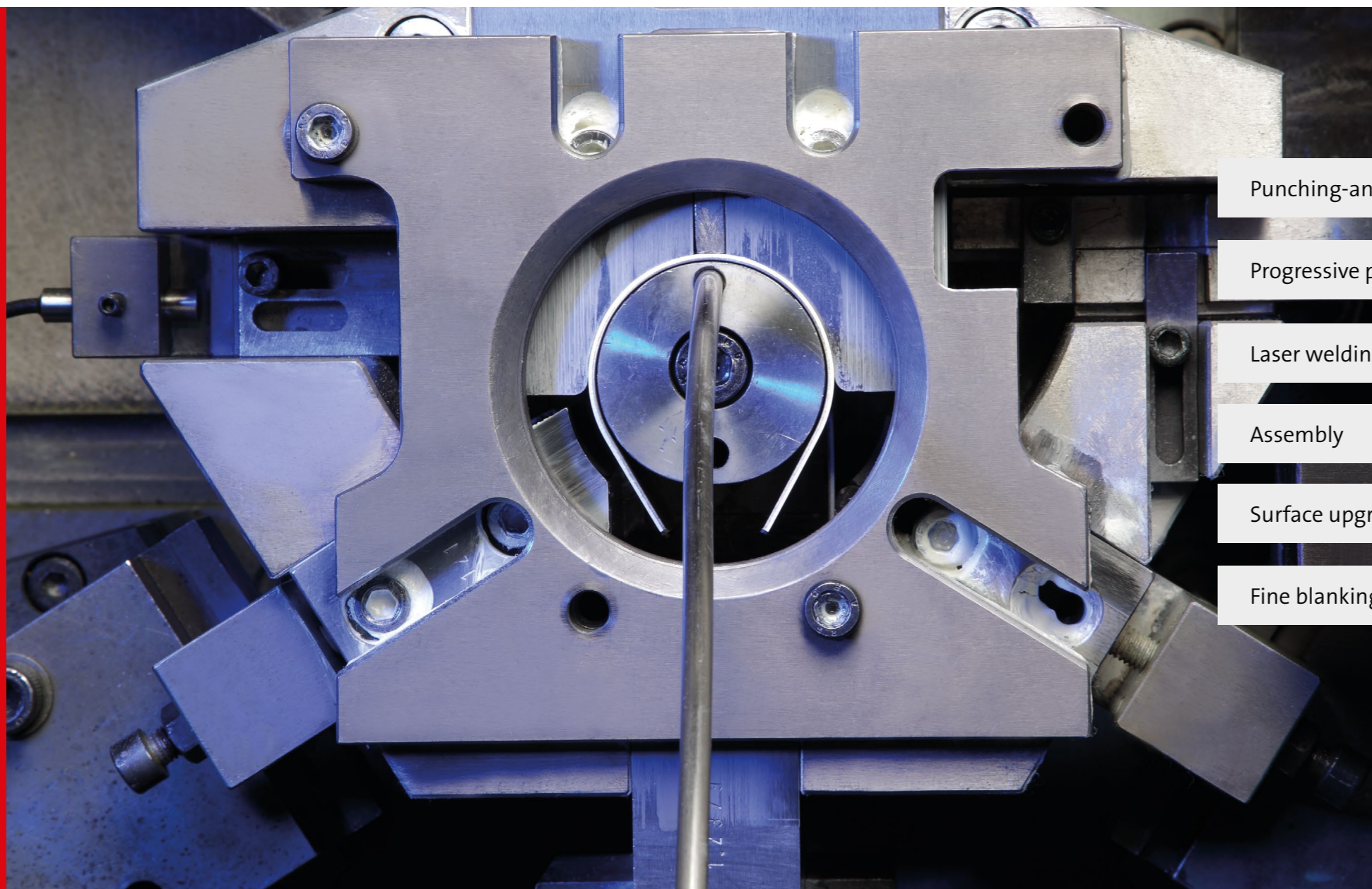




Complex solutions for niche and future-oriented technologies.
Innovation-oriented and in top quality.

Technology lead for perfect products



Punching-and-bending

Specialist for thick-wall bent parts with different hole patterns

Progressive punching

40 years of experience with complex geometries

Laser welding / resistance welding

Welding by laser is a method for joining steel materials that has been established for many years.

Assembly

insertion machines with capacities of up to 250 tons for the pressing, riveting and caulking, flexible welding robots

Surface upgrading / vibratory grinding

Removal of residual of punching oil, rotary vibrators, galvanizing or cathode dip coating

Fine blanking

Expertise with thick sheet metal

Complex punched, formed and bent parts at top-level quality are characteristics of the innovation-oriented enterprise that is Dömer. By concentrating on niche technologies, future-oriented technological developments and top customer service, Dömer will make use of the opportunities for growth offered in the automotive, building appliance, rail traffic and agricultural machine areas of business and continue its expansion course.



Development of customer-specific products



Its integration in early development phases makes it possible for Dömer to bring in its comprehensive punching and forming technology knowledge and know-how into customer projects. Technical optimization in respect of manufacturing, process integration and the optimum arrangement in respect of materials to be used have the objective of permitting products to be manufactured in a cost-favourable and resource-saving manner.

The brake pad carrier plate for light trucks as developed and patented by Messrs. Dömer provides a good example of the company's application-specific know-how. Here the use of a modern fine-blanking press permits brake pad carrier plates to be manufactured that give weight and cost savings in the region of 30 %. This in turn allows the technological advantage of a steel plate to be made use of while at the same time utilizing function-integration that was previously only possible with the cast plate.

Design



Dömer supports its customers with modern CAD systems in the proper function- and manufacturing-related designing of components and offers efficient, customer-oriented technological advances and tool development. With a flexible and well equipped prototype-building section, we are in a position to react equally flexibly to customer wishes.



Punching production



In the business area of punching Dömer has established itself as a recognized specialist for the production of thick-walled parts with a high clean-cut proportion. Processed on its 400 ton, 630 ton and 1000 ton automatic punching presses are sheet metals with thicknesses of up to 12 mm whereby Dömer achieves long tool service lives through the use of special coatings. For fine-blanking Dömer uses hydraulic cushions. In addition at the company's Langenei location a 1000 ton automatic fine blanking machine has been in operation since 2007 in order to be able to satisfy the most stringent demands in respect of component quality.

Absorber technology

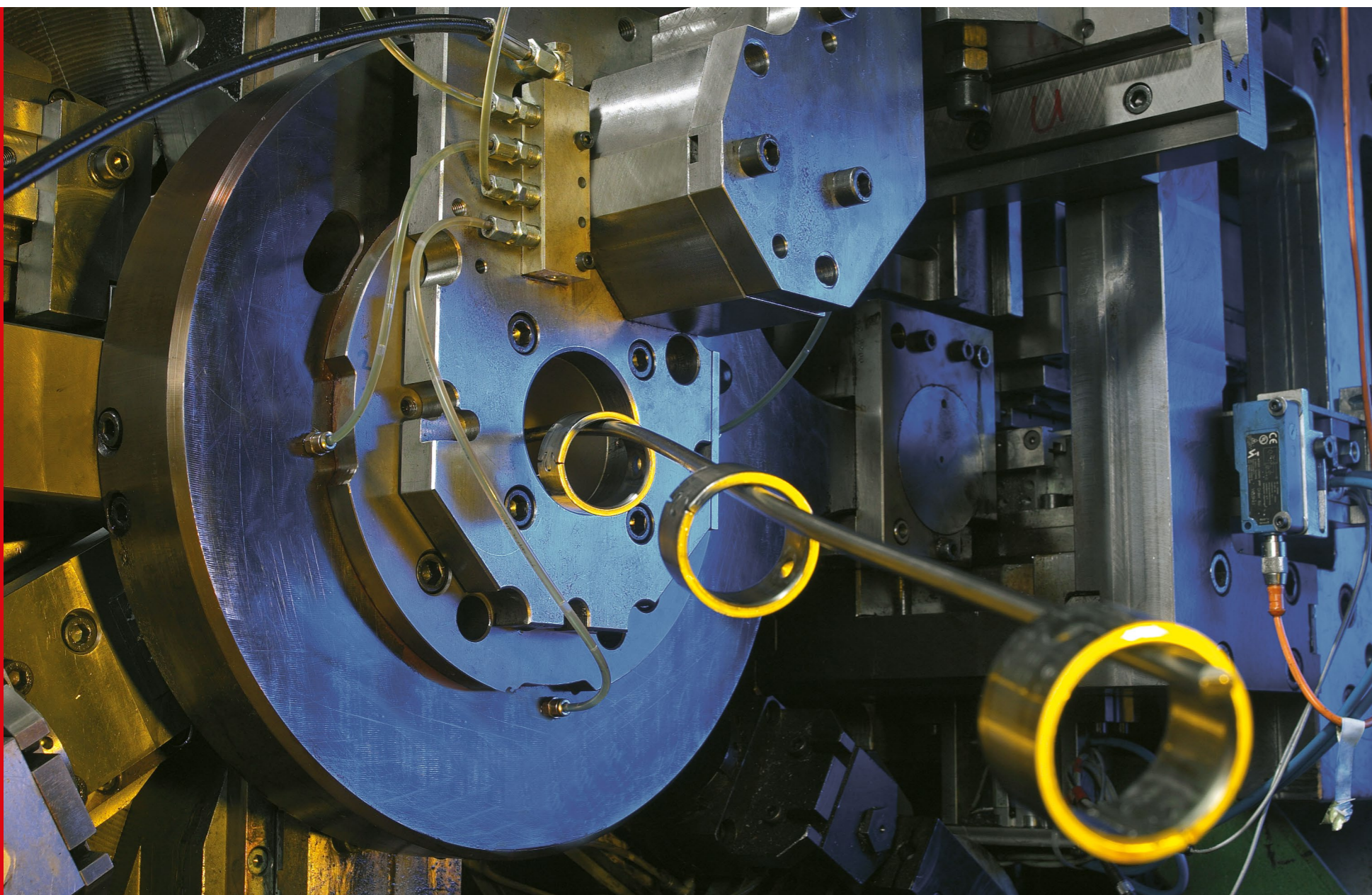


For the damping of vibration and the reduction of noise of diverse rail traffic systems the firm of Dömer produces wheel set absorbers in co-operation with a leading track wheel manufacturer.

Diverse processes from the punching of the individual components from stainless steel, via aligning, welding, grinding and through to running-in and the final check are carried out in the Dömer works. Continuous improvements lead to the optimization of the work sequences.



Production with punching and bending technology



The bending of strips of high thickness sheet metal into sleeves and clinched tube sections is one of the core areas of expertise of our punching-and-bending section in which punching and bending machines of different sizes are employed. Through having automatic punching and bending machines working together, Dömer is also in a position to produce thick-wall bent parts with the most different hole patterns.

A specially developed tool technology makes possible different closure shapes of the part ends to meet the particular requirement. Tube sections closed and caulked with clinching means that for many applications no compromises are necessary in respect of functionality. On the other hand there is a cost advantage of up to 40 % in comparison with blanks sawn from long tube.

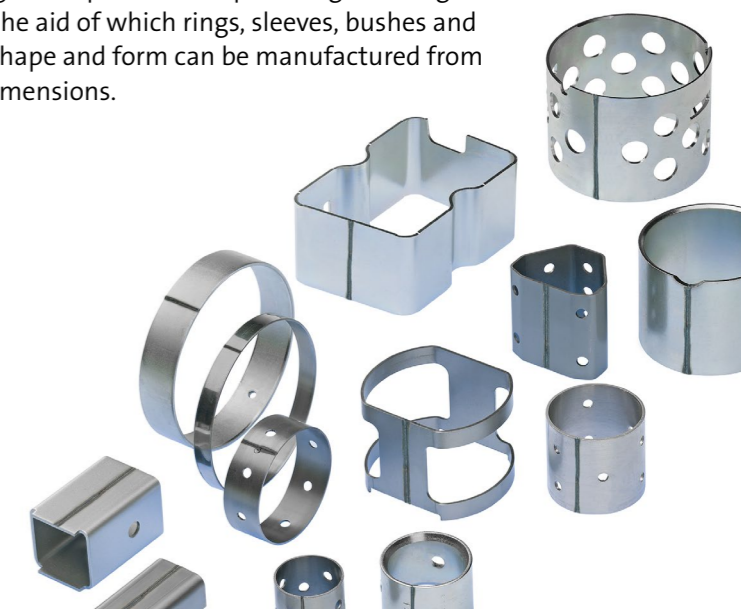
The “Dömerring” products



The manufacturing of rings, bushes and sleeves can be carried out efficiently and economically with the aid of punching-bending technology. Here a strip of metal is cut to length and bent around a core. The two ends stand in front of one another in the form of a slot or are joined by clinching.

Our new process for the production of the Dömerring products goes a step further: the joint edges are joined together to a closed profile with a precise laser weld seam.

Thereby the production of the Dömerring products is a fully automatic process, consisting of the processes of punching, bending and laser-welding with the aid of which rings, sleeves, bushes and sections of any desired shape and form can be manufactured from metal strip in variable dimensions.

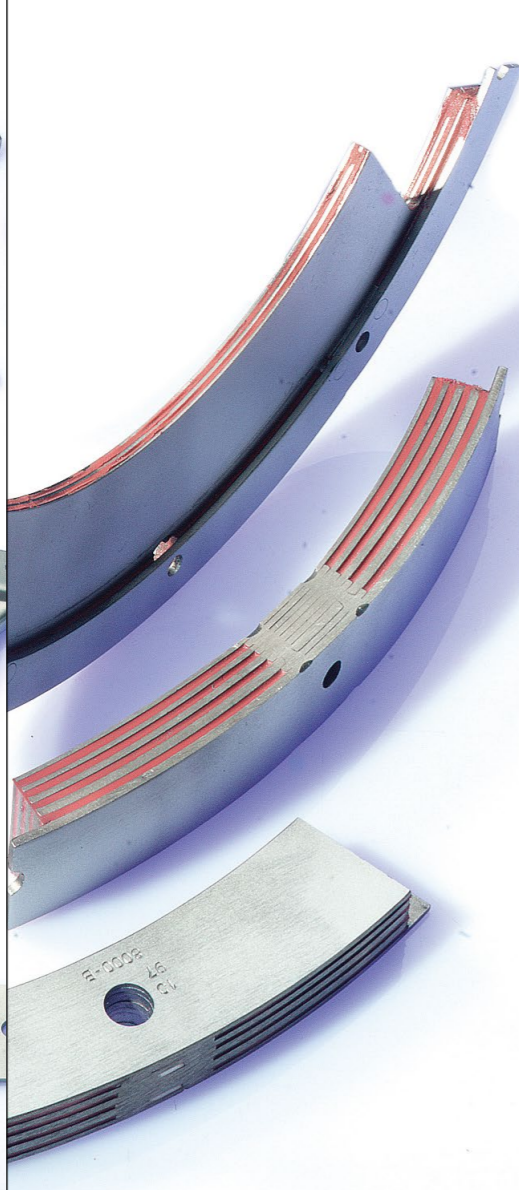


Automotive



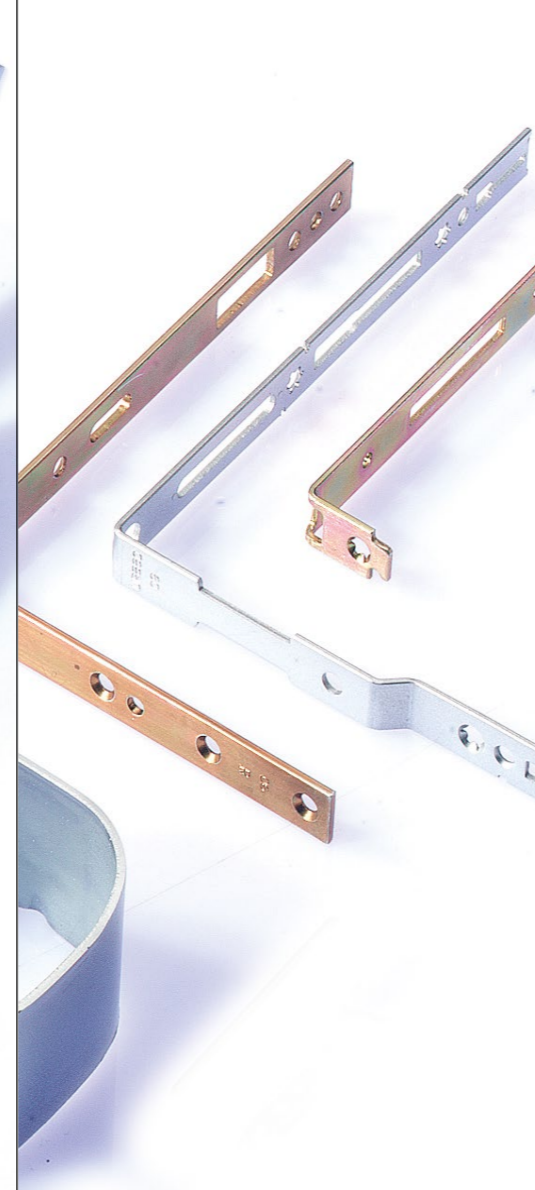
Dömer supplies well-known automotive suppliers with components for rubber-metal bearings, belt tensioning systems, welded bodywork subassemblies, seat structures, safety belt systems and brake systems.

Rail traffic engineering



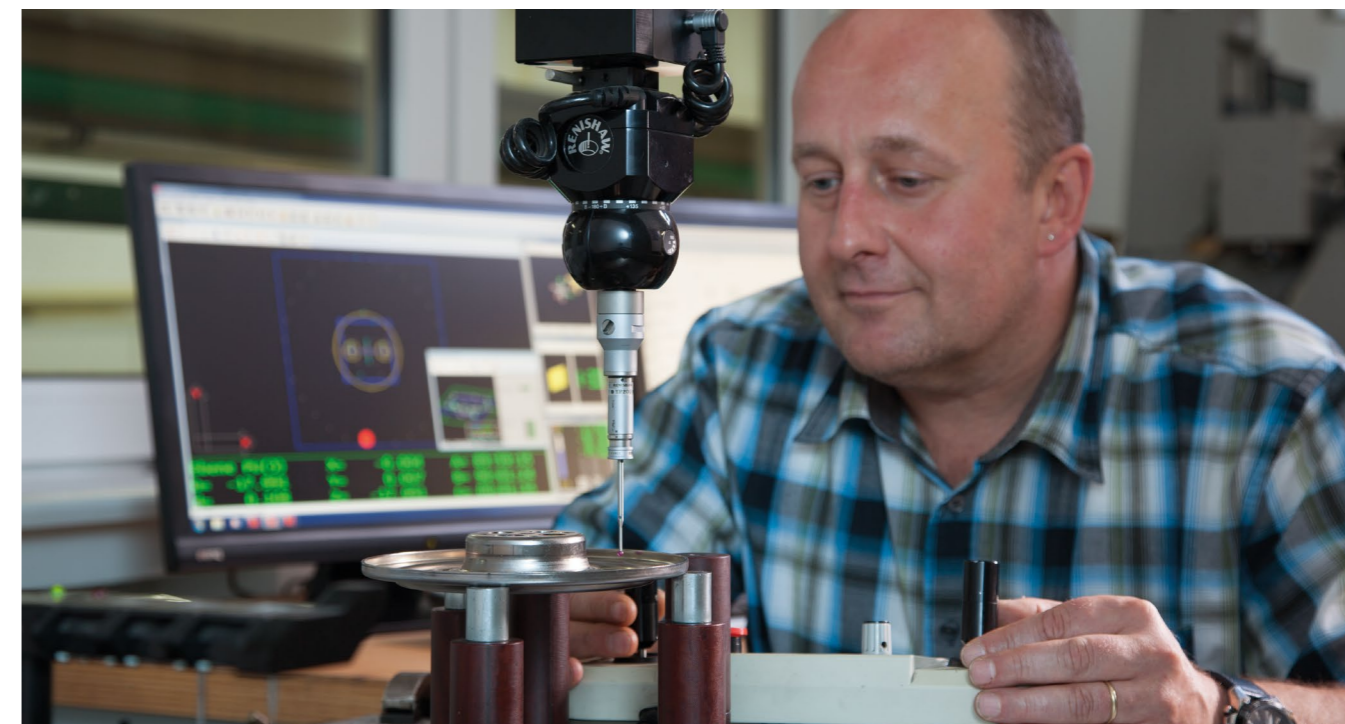
Dömer is a market leader in the production of wheel set vibration absorbers and oscillation absorbers for rail vehicles and partners a leading track wheel manufacturer.

Building appliance sector



In the building appliance sector we can number among our customers leading manufacturers of window fitting systems and locking systems.

Quality assurance



All production steps within manufacturing are subjected to strict worker-self-monitoring. Since 2002 Dömer fulfils the requirements of the automotive industry and is certified according IATF 16949 which is being continuously and logically extended. Quality management is supplemented by the Dömer process-oriented management system (DPMS), which brings together corporate objectives, process sequences and information paths.





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