

Your success is our target



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Dieffenbacher is an internationally active group of companies developing and manufacturing press systems and turnkey production lines for the wood panel and automotive supply industries

As a systems supplier, we offer our customers future-oriented turnkey solutions for the economic production of marketable products.

We are a preferred supplier and develop all process-specific components within our Group of Companies. More than 70% of our products are exported.

With a powerful worldwide sales and service network and a 24-hour online support we are always available for our customers.

Dieffenbacher is certified to the quality standards DIN EN ISO 9001 and VDA 6.4 and actively contributes to our environmental protection.

As a family-owned company with a tradition of more than 130 years, we are a leading technological enterprise in our industry.

Dieffenbacher's clients and their specific requirements are the focal point, offering them maximum benefits, upholding traditional structures and well-established company values as well as safeguarding jobs which are especially important aspects of our company philosophy.



Dieffenbacher headquarters, Eppingen, Germany



Jakob Dieffenbacher, the founder of the company, his two sons Friedrich and Wilhelm and grandsons Albert and Gerhard Dieffenbacher



## Industriousness and commitment guarantee continuity

### 1873 – Jakob Dieffenbacher establishes a solid basis for an efficient company

Shortly after completing his training as a master fitter – which he coincidentally attended along with Karl Benz in Mannheim – Jakob Dieffenbacher opens a locksmith business in his hometown of Eppingen.

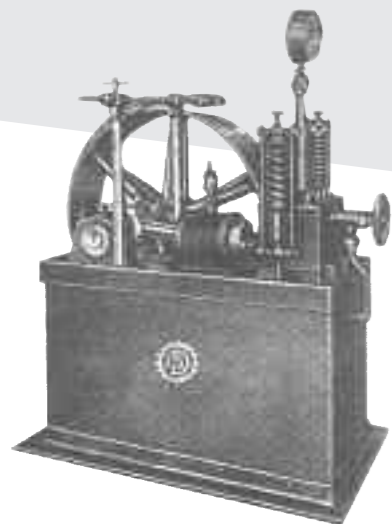
Modern safes were his first products, but by the turn of the century, the company was building fruit presses and selling them all over Europe.

Entrepreneurial spirit and an instinct for developments with sales potential, allowed the young workshop to quickly expand into a full-scale mechanical engineering enterprise.

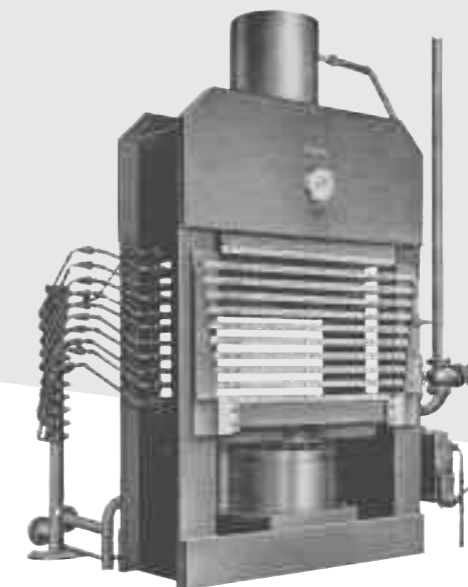
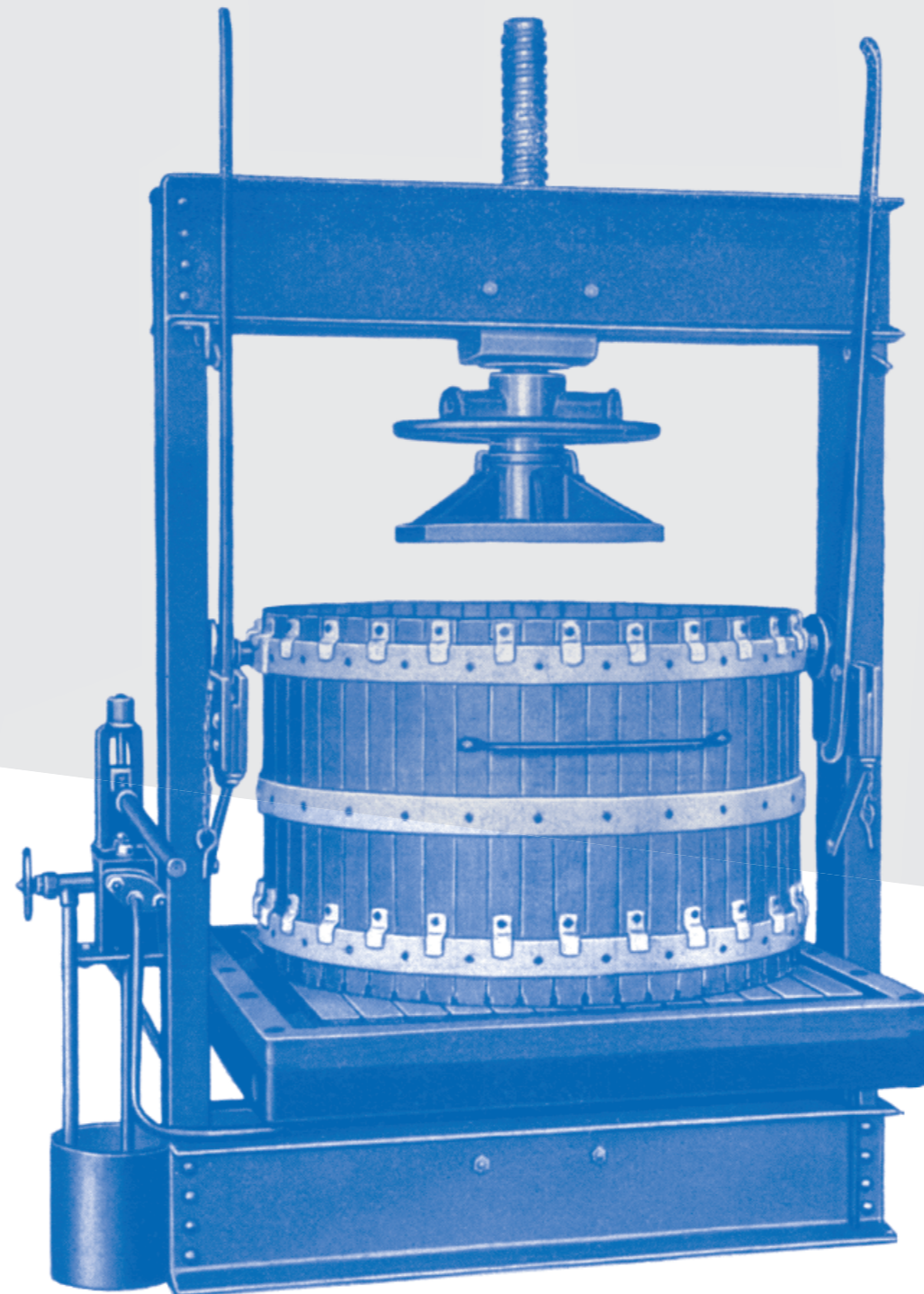
Jakob Dieffenbacher and his sons Wilhelm and Friedrich thoroughly paved the way for a company with ample scope for development.

The transformation to a worldwide operating industrial enterprise was conducted by the third generation. Albert and Gerhard Dieffenbacher utilized the innovative strength derived from the sound basis of tradition and experience created by the company's founding fathers, and initiated a continuous process of development. Under the current management of the 4th generation, the company has expanded internationally to become a global and leading systems and plant supplier.

The Dieffenbacher name has long since become known to represent reliability, high quality and outstanding products.



A Dieffenbacher horizontal water hydraulic piston pump, manufactured around 1920



Multi-daylight press for manufacturing wood-based panels around 1960

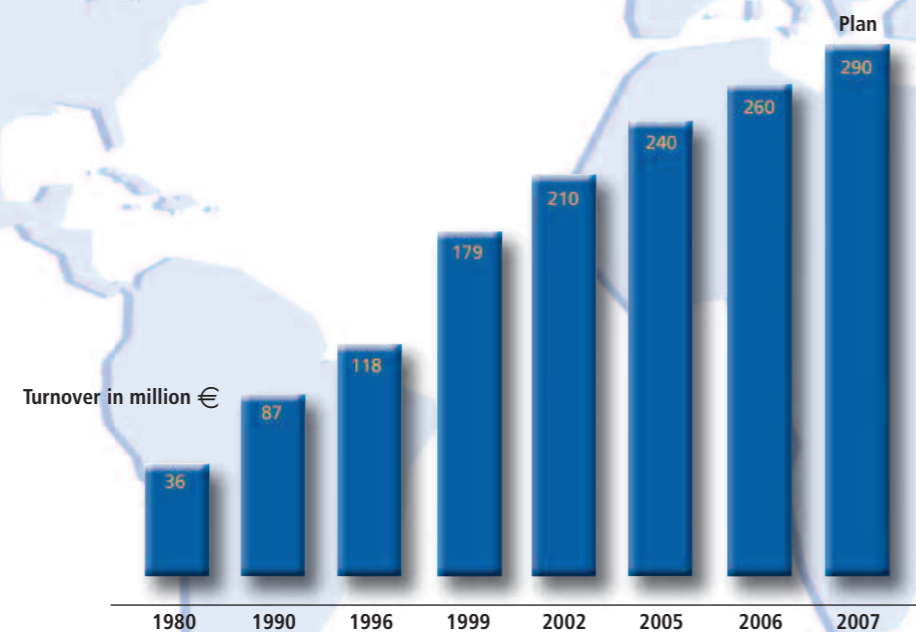
## Dieffenbacher today – Hydraulic presses and plant construction

More than 900 highly qualified employees work within Dieffenbacher's two business units, wood-based panel technology and forming technology.

Today, Dieffenbacher concentrates on complete problem solutions involving complex production processes and manufacturing tasks.

The hydraulic press remains the most important element, but is no longer the single component within the complete production line.

Complete production lines from a single source – in recent years, according to this strategy, Dieffenbacher has acquired additional companies to complete the production line and has integrated them into their business units.



Eppingen headquarters, Germany

1873

1984

Dieffenbacher North America Inc.



Dieffenbacher – CZ s.r.o.

1992

1996

Karle + Jung GmbH, Durmersheim, Germany



Dieffenbacher Pfungstadt, Germany

1998

2003

Schenkman-Piel-Engineering, Leverkusen, Germany



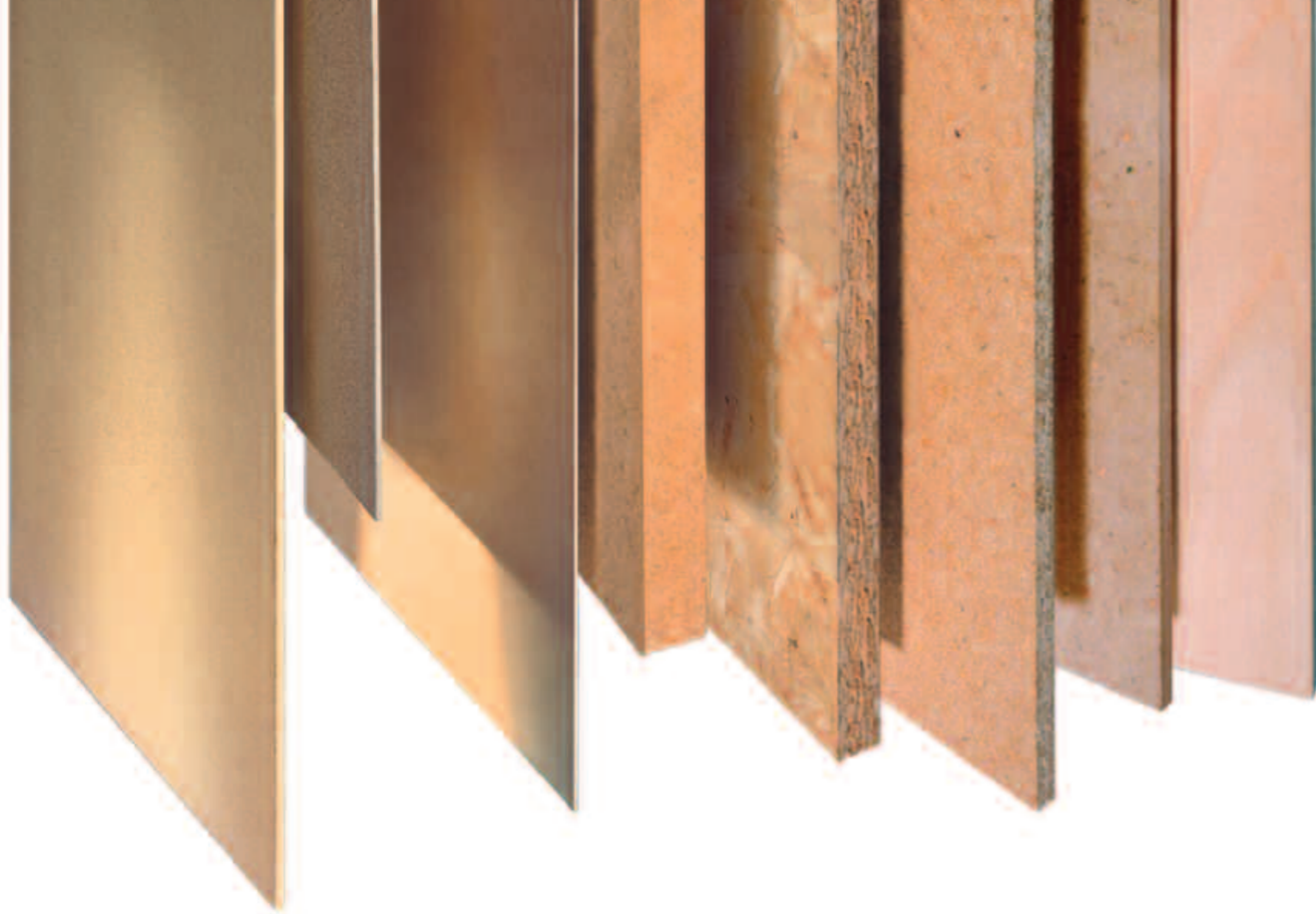
ASA, Eppingen, Germany

2006

2007

Dieffenbacher Changzhou, China





## Complete lines for the wood-based panel industry

Dieffenbacher lines have been well established in the wood-based panel industry for decades and known for competence, innovative and economical production technologies as well as high reliability.

In close cooperation with customers, our expert teams work on future-oriented system solutions. Well-designed production systems for all kinds of panels such as particleboard, MDF, THDF, OSB, OSL or LVL are part of Dieffenbacher's performance range.

Important key components on each complete Dieffenbacher line are dryer, sifter, spreading systems and forming line, continuous presses type CPS or cycle presses in single- or multi-daylight design and finishing lines as well as storage systems. The highly flexible modular Dieffenbacher electronic process control system monitors, analyzes and optimizes the entire production process.

Fully automatic laminating lines made by Dieffenbacher Zaisenhausen ideally round off the full range of panel lines.

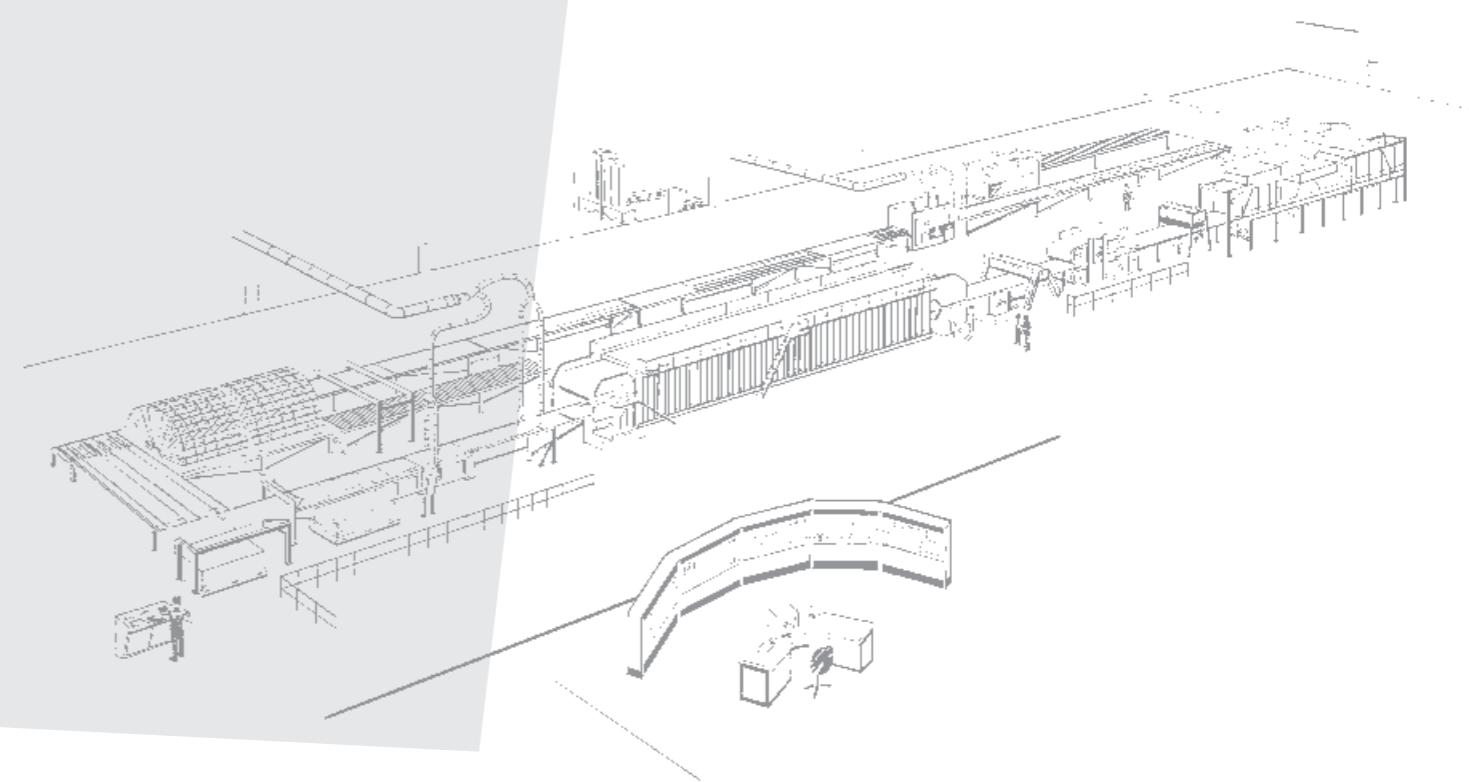
Excellent core competence, the production of the essential plant components in-house, combined with competent technical advice from conception to start-up of the production line, ensures security for our customers worldwide.

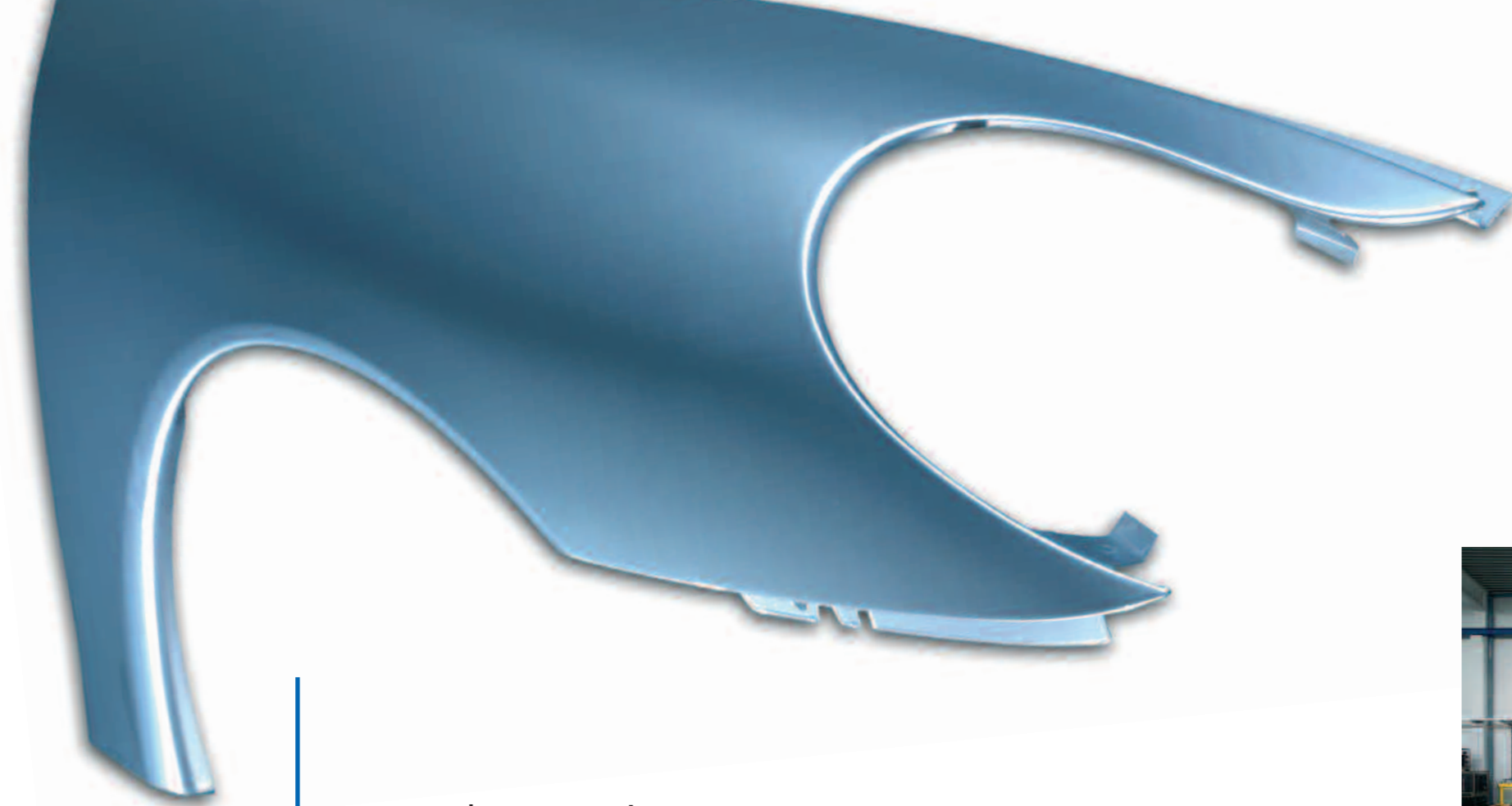


Forming station



Continuous press type CPS





## Press and automation systems for metal forming

High productivity and superior parts quality, combined with economical production, are the major requirements for metal forming production systems.

Dieffenbacher's patented Multipoint Control System for the production of stainless steel sinks ensures maximum productivity and quality.

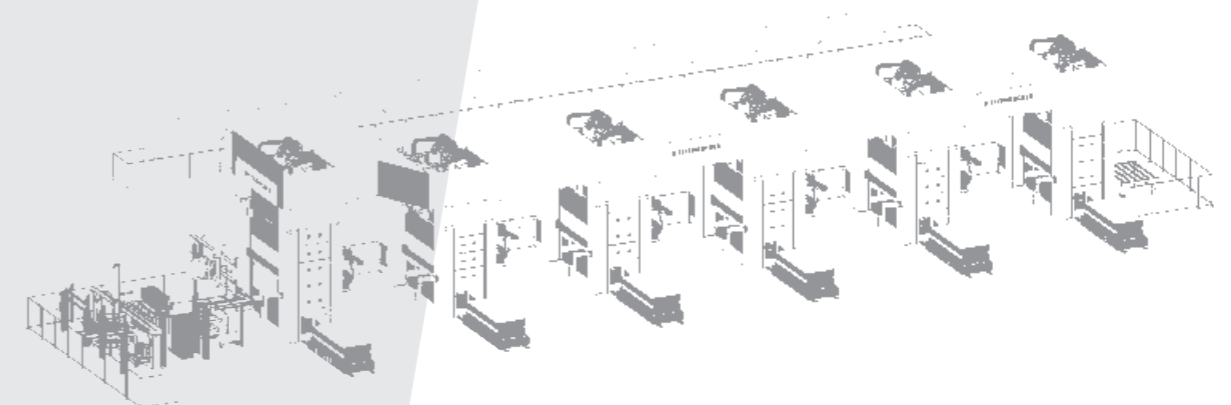
Dieffenbacher tryout presses used for applications in the automotive industry are able to minimize the tool setting times by modern simulation techniques to reproduce the characteristics of a production press. With the IMOTIVE LINE, Dieffenbacher delivers complete press lines for metal forming, including automation and tool change – for various industries.



IMPRESS metal forming press



IMOTIVE LINE for car body parts



## Presses and production lines for manufacturing large plastic parts

The automotive industry's high standards of precision and quality determine the development undertaken by Dieffenbacher's plastics forming division.

The LFT-D-ILC process technology developed by Dieffenbacher allows compounding long fiber-reinforced thermoplastics according to the individual requirements of the product.

This highly efficient process obviates the complicated and expensive process of semi-finished parts production. At the same time, this process protects the environment due to the possibilities of in-line recycling and energy savings.

Dieffenbacher offers the entire line including the press, automation, parts finishing, die change and extruder for SMC and GMT processing and the LFT-D-ILC production process.

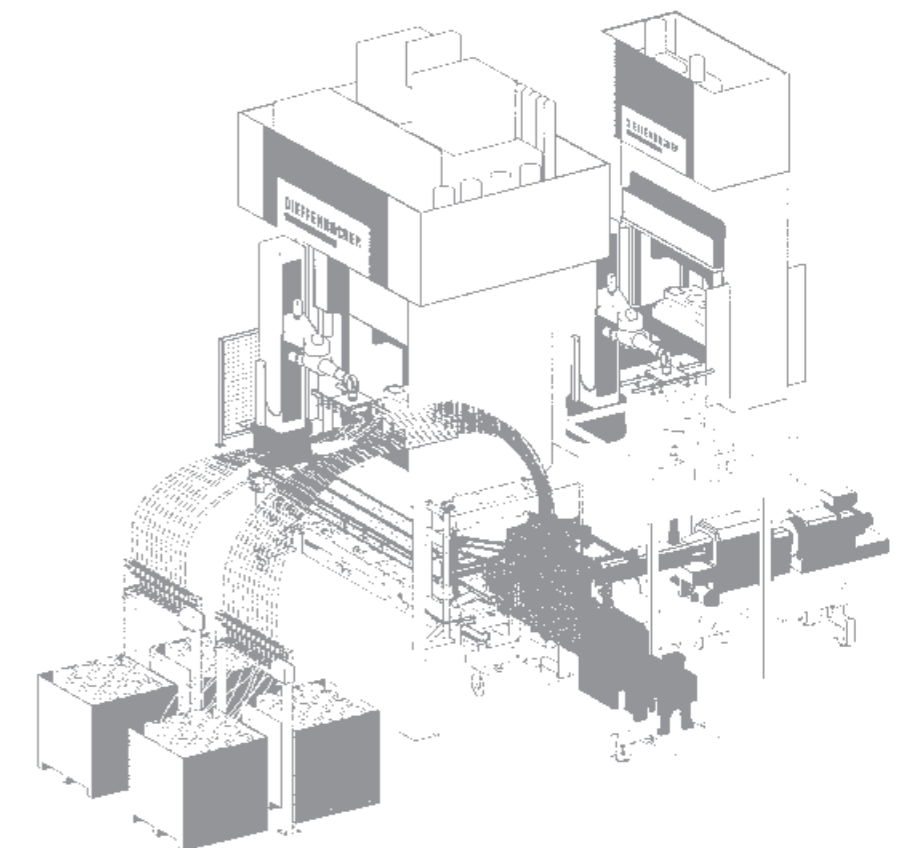
Our leading market position within the plastics industry now is emphasized by almost a thousand presses.



LFT-D line for manufacturing fiber-reinforced automotive parts



Fully automated SMC press line



## Future-oriented technology: Isostatic press lines

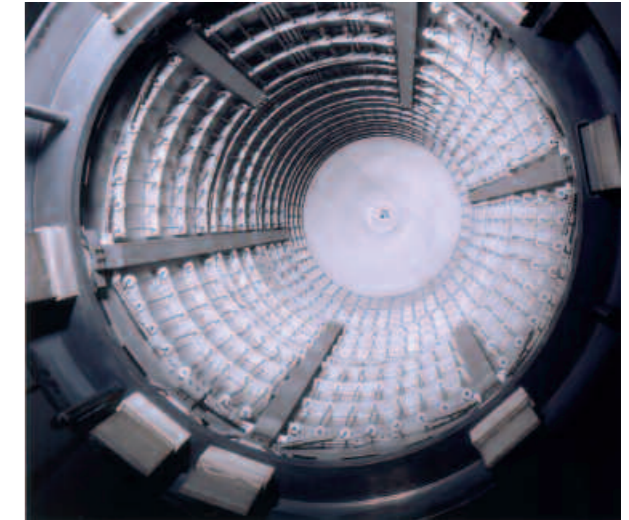
Components for engines, aviation and aerospace applications as well as artificial joints for the medical engineering field: These are examples of high-tech isotropic elements, which have to withstand extreme temperatures and other high stress levels. These characteristics can no longer be achieved by using conventional processes. Metal or ceramic powders are isostatically pressed at temperatures up to 2,500 °C and specific pressures up to 5,000 bar.

This challenge that our research engineers are facing has been successfully solved and is used in many different applications such as research laboratory equipment or production systems in the industry.

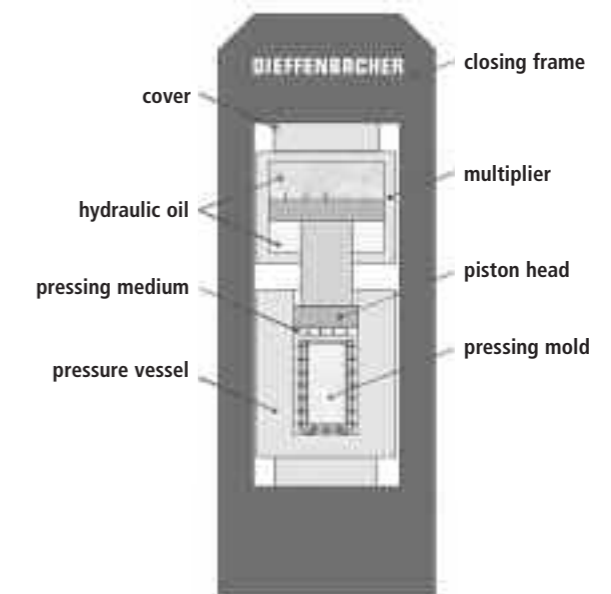
Whether it is Cold-Isostatic Pressing (CIP) or Hot-Isostatic Pressing (HIP) – we deliver the expertise for pressing and process technology in both areas.



HIP machine for manufacturing highly compressed ceramic components such as artificial hip joints



Molybdenum furnace







High investment security –  
Research & development directed  
by experience guarantees  
the users investment

More than 250 highly experienced employees such as engineers, technicians and scientific assistants are occupied with design and development at Dieffenbacher's.

Successful concepts for economical problem solutions are developed in close co-operation with the user.

The focal point is the client, to simply satisfy his technological and processing requirements in the best possible way. We provide vast experience; a steady stream of new ideas and suggest new ideas. Modern laboratory equipment is at the customer's disposal for testing almost all applications.



Technical center wood-based panel division



Technical center plastics forming division



## A traditional of craftsmanship, linked to new technologies – A sound basis for quality in production and assembly

Heavy-weight structural elements or complex precision mechanisms – for hydraulic control systems – the emphasis in every area is on precision without compromise. Highly qualified craftsmen with long experience operate machinery with a high level of CNC controls and integrated production planning control. A sound basis for them to demonstrate their traditional skills, backed by an effective quality assurance strategy that does not seek to impose quality subsequently but to "manufacture it in" from the start: reliable and reproducibly.



State-of-the-art CNC production



Assembly



## Increased production by professional training

Dieffenbacher presses and production lines are designed for users' benefit. High availability, maintenance and user friendly operations are all factors that guarantee increased profitability. In order to maintain this level, long after the initial start-up, we emphasize this valuable training of the customers' staff.

Active and practical orientated training sessions are held by experienced instructors at the Dieffenbacher's Training Center or on site.

The emphasis is on getting familiar with the machine hardware and software. Prime targets are quick fault diagnosis and repair.



Training

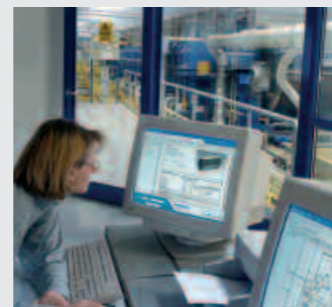
## Fast and competent service

Dieffenbacher's experienced service team is on call worldwide 24 hours a day, 365 days a year. Dieffenbacher's service package comprises online service, field service, genuine spare parts, training, service contracts, modernization and much more.

Via a mobile satellite station or digital network, all relevant operating data can be transmitted for analysis in real time to Dieffenbacher's service center by the newly developed online support system. In critical areas of the production line, cameras are installed for an online transmission of images.

Mobile standard and special cameras (e.g. endoscopic cameras) can also be used.

For trouble shooting, Dieffenbacher specialists can take the necessary measures by accessing the production line software directly and teleconference with the customer. This saves time and money.



Control room



## Working at Dieffenbacher – More than a secure job

Secure jobs are proof of a company's success with products that are widely accepted on international markets. Success does not come by itself, but rather from the employees' commitment that introduced their strength and competence over the years.

Motivated and exceptionally qualified, this strong team full of ideas can be very proud of their achievements. This fact does not only document traditional values, but represents in an impressionable way the identification of our company employees. This is underlined by low fluctuation rates.

Dieffenbacher clients are in good hands.



Teamwork

## High quality builds trust and safeguards the future

The fundamentals of Dieffenbacher quality policy form the basis for our everyday collaboration. They credibly underpin our high quality claim such as DIN EN ISO 9001 and VDA 6.4 and ensure our customers' satisfaction.

Quality assurance is the base of existence for our group of companies. Fulfilling the process requirements and meeting customers' needs with our products are key elements of our company's competence.

The secure fulfilment of these requests and the total functionality of our systems along with their contract, forms the basis of our quality policy today and in the future.



## We take responsibility for the environment

The goal of Dieffenbacher's environmental activities is to maintain the natural environment and safeguard the basis of existence of future generations.

Our activities for implementing the environmental objectives are based on the principles of minimizing waste, emissions and energy consumption in order to reduce an environmental impact. Thus, we achieve through our developments, products and processes a decisive contribution in reducing environmental deterioration, and, therefore, this is a quality feature of our performance.

We are convinced that a company can only be successful in the long run when its services are provided in this manner by taking environmental protection requirements into account.

**Environmental awareness in our operations results in efficient and sparing use of valuable and limited resources and saves costs at the same time.**