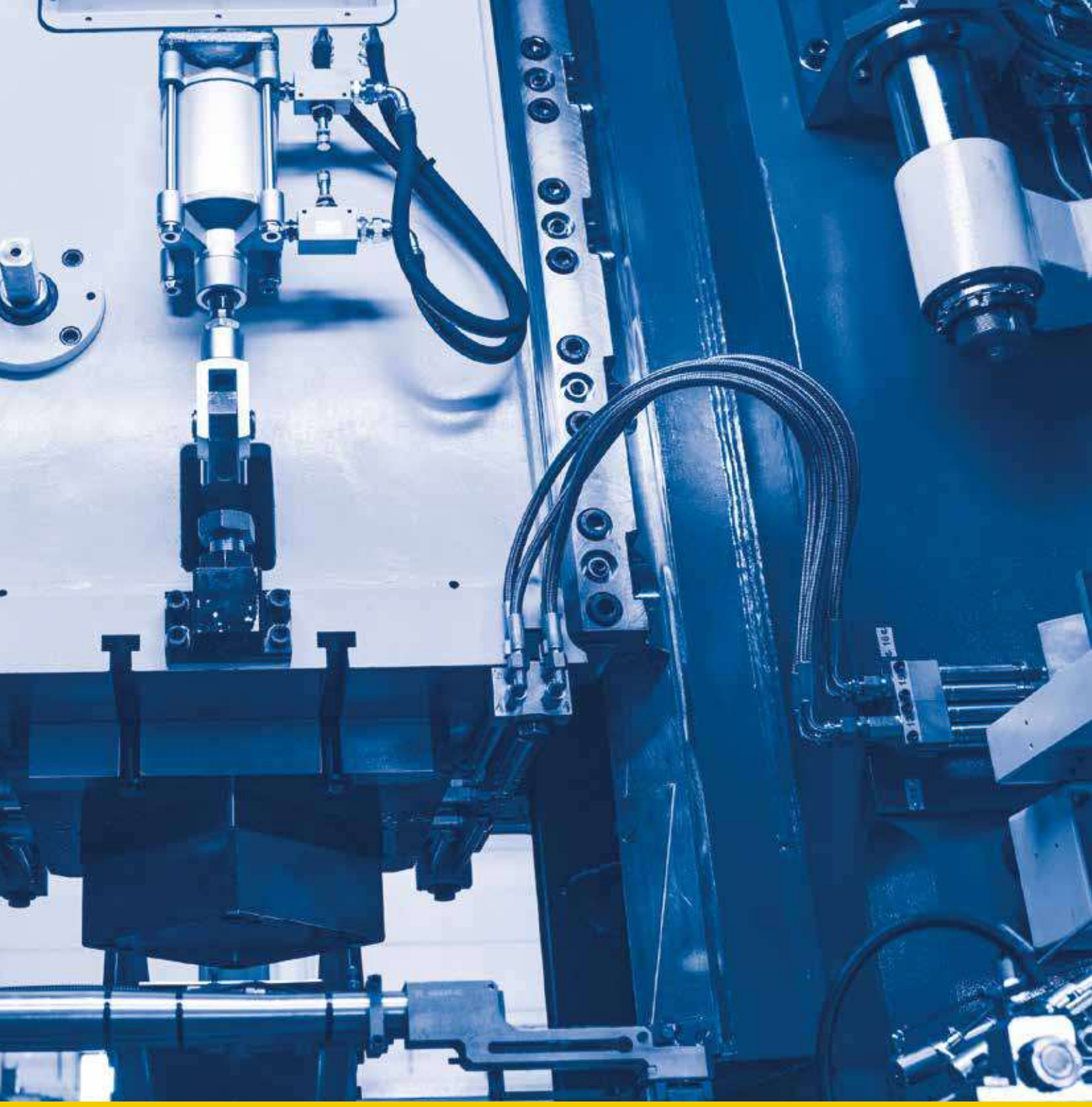


PRABER GROUP

PRABER

PRESSE E BILANCIERI

PRABER

Profile

PRABER is a company specialized in the construction of presses and screw presses for the forging of ferrous and non-ferrous metals. It offers a service of assistance and regular and extraordinary maintenance on any presses available on the market. If necessary, it also takes care of adapting the press to the Machinery Directive.

APPLICATION SECTORS

The typical industrial application sectors that use stamped products:

- **Automotive and motorcycles**
- **Bolts and nuts**
- **Hydraulics and plumbing**
- **Heating**
- **Fittings**
- **Housewares**
- **Coins and minting**

Quality without compromise

PRABER

The production of presses represents our response to the current market demands.

WHY CHOOSE US

1.Experience and Expertise

PRABER boasts extensive experience in the construction, installation, and servicing of presses and screw presses. Thanks to their professionalism, PRABER's technicians can provide customized solutions for products and industrial processes.

2. Advanced Technical Solutions

PRABER specializes in the construction of technologically advanced presses and screw presses, capable of meeting all the needs of industrial processes, increasing productivity and profits.

3. Quality and Reliability

PRABER's presses and screw presses are built with high-quality materials and according to the most stringent safety and reliability standards. This ensures consistent and reliable performance over time, reducing downtime and maintenance costs.

4. Technical Support and After-Sales Service

PRABER offers comprehensive and reliable technical support and after-sales service, with highly qualified technicians and a wide availability of spare parts and accessories. This ensures a quick response in case of issues or malfunctions, minimizing downtime and maintenance costs.

PRABER

Forging of brass, aluminium, copper, steel, and various metal alloys.

PRABER offers comprehensive solutions, starting from the workpiece. The PRABER team can design the entire production line, supporting and basing the choices offered on various case studies, making them an essential prerequisite for reliability and assurance for investment purposes.

The choice of a Partner Supplier is crucial and must consider factors such as service, warranty conditions, availability of spare parts, reliability, qualified personnel, and responsiveness for maintenance. PRABER meets these requirements, thus ensuring the expected results, thanks to its ability to innovate, take risks, and provide original, modern, and competitive solutions.

PRABER

PRABER Group bases its commercial offer
on two business divisions.

PRABER Group specializes in:

- In-house production of forging presses and screw presses, as well as complete systems for metal forming (brass, aluminium, copper, steel, and other metal alloys)
- Quick change and lubrication systems for die. For very heavy loads, automation is performed using anthropomorphic robots
- Control panels for electronic forging presses, as well as auxiliary equipment, hardware, and software for industrial automation, vision systems, and robotic cells
- Automation systems for electronic and pneumatic loading/unloading, equipped with the latest technologies, always customized according to needs and perfectly combinable with any type of machine
- Design, engineering, and technical consulting, feasibility studies for both products and processes, and design of auxiliary equipment and accessories for industrial processes
- Spare parts and production of custom-made components according to specifications
- Highly qualified assistance with continuously updated skills, covering any type of company that has metal forging plants
- Regular and extraordinary maintenance programs, warranty extension terms, revision, and adaptation to standards for machinery and complete automated cells.

PRABER GROUP
PRABER
PRESSE E BILANCIERI

PRABER GROUP
ELETTRICA
ATLAS
SOFTWARE&HARDWARE

PRABER
Press

Hot forging presses with capacities ranging from 2000 kN to 20000 kN.

ECCENTRIC PRESSES

PRF – PRF CS – PRF

The **PRF** series includes mechanical presses with a single crank, constructed with a Monoblock welded steel structure. The mother sheets used to create the frames are meticulously inspected using ultrasonic testing and must meet the acceptability classes of EN 10160. Once the welding cycle is completed, the entire structure undergoes a final heat treatment for controlled relaxation. At the end of the heat treatment, the entire structure is subjected to sandblasting or shot blasting to remove slag, rust, and other impurities, thereby ensuring the cleanliness level required for the type of paint used. This type of machine is particularly suitable for hot forming of non-ferrous materials.

CS 2R

SUITABLE FOR FORGING OF:
Brass, bronze, copper, aluminium, and non-ferrous alloys.

PRF	Single-Strike Forging Presses
PRF CS	Single-Strike and Continuous Cycle forging Presses
PRF CS 2R	Single-Strike and Continuous Cycle forging Presses with High Energy

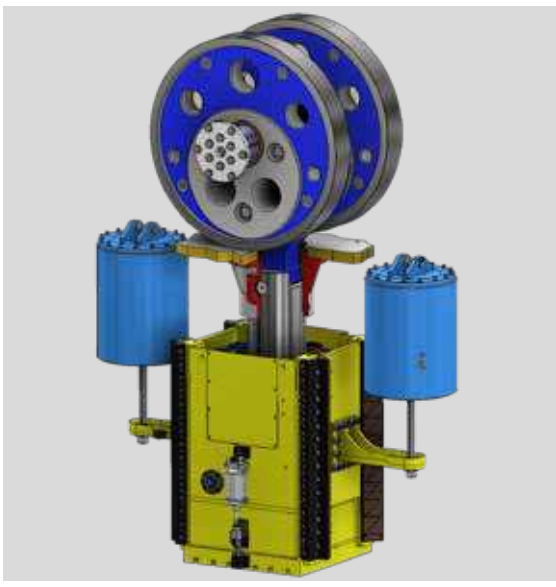
PRABER
Press

Hot Forging Presses from 4000 to 20000 kN.

ECCENTRIC PRESSES WITH PLUNGERMECHANISM

PRF P

The Plunger model represents an evolution of the **PRF** series, designed to further optimize precision and performance. Thanks to the implementation of a kinematic chain equipped with the Plunger system, lateral forces and the pitching typical of traditional eccentric systems are eliminated. The lubrication system has also been specifically enhanced to improve both the distribution and cooling of moving parts subjected to friction. This ensures optimal efficiency and extended component lifespan, minimizing wear and ensuring more stable performance over time.



SUITABLE FOR FORGING OF:
Brass, bronze, copper, aluminium, and non-ferrous alloys.

PRF P	Single-Strike Forging Presses
PRF CS-P	Single-Strike and Continuous Cycle Forging Presses
PRF CS 2R-P	Single-Strike and Continuous Cycle forging Presses with High Energy

PRABER
Press

Hot forging Presses from 2000 to 20000 kN.

ECCENTRIC PRESSES

PF – PF FI

The **PF** series includes mechanical presses with a single crank, constructed with a monoblock welded steel structure. The mother sheets used to create the frames are meticulously inspected using ultrasonic testing and must meet the acceptability classes of EN 10160. Once the welding cycle is completed, the entire structure undergoes a final heat treatment for controlled relaxation. At the end of the heat treatment, the entire structure is subjected to sandblasting or shot blasting to remove slag, rust, and other impurities, thereby ensuring the cleanliness level required for the type of paint used. This type of machine is particularly suitable for hot forming of non-ferrous materials.
With a two-column design and a single point of thrust, the PRABER **PF** series presses are characterized by many advantages: minimal footprint, maximum functionality and ease of use, along with reduced maintenance costs and consumption.

SUITABLE FOR FORGING OF:
Brass, bronze, copper, aluminium, and non-ferrous alloys.

PF Single-Strike Forging Presses

PRABER
Press

Screw Presses for Hot and Cold Forming from
2250 to 27500 kN.

SCREW PRESSES WITH STROKE LENGTH FROM 150 TO 500 mm

SP

The series of screw presses is the result of extensive experience in stamping, resulting in a precise choice of materials employed to ensure absolute working accuracy combined with maximum robustness. With this new series, PRABER Group aims to complement its range of highly technological presses, as the concepts of durability, repeatability, and flexibility become increasingly vital in all production sectors. The use of PRABER "**SP**" screw press for all applications requiring speed and precision in execution represents the best choice. The "**SP**" screw press are ideal for hot stamping of complex parts or those requiring multiple forming stages.

Screw Presses for Hot and Cold Forming from
2250 to 27500 kN.

DIRECT DRIVE DA 150 A 500 mm

SD

The **SD** screw presses are distinguished by their superior precision, reduced energy consumption, and lower maintenance requirements. This technological advancement has been made possible by replacing the traditional disk movement with a torque motor directly coupled to the main screw. This innovation not only makes the machines more reliable but also enhances their operational efficiency and longevity.

PRABER
Press

Cold Forming Presses from 2000 to 8000 kN.

ECCENTRIC PRESSES

PRL - PRL LD

APPLICATION SECTORS

AUTOMOTIVE

Production of automotive components such as frames, body panels, engine parts, exhaust systems, and many other parts that require high precision and strength.

AEROSPACE

Manufacturing of structural components, engine parts, and other critical components that require high-performance materials and strict tolerances.

HOUSEHOLD APPLIANCES

Production of components for household appliances such as washing machines, refrigerators, ovens, and other devices.

The **PRL** series includes mechanical presses with double action, constructed with a Monoblock welded steel structure. The mother sheets used to create the frames are meticulously inspected using ultrasonic testing and must meet the acceptability classes of EN 10160. Once the welding cycle is completed, the entire structure undergoes a final heat treatment for controlled relaxation. At the end of the heat treatment, the entire structure is subjected to sandblasting or shot blasting to remove slag, rust, and other impurities, thereby ensuring the cleanliness level required for the type of paint used. This type of machine is particularly suitable for cold forming and cutting of sheet metal.

HYDRAULIC PRESSES

HP

APPLICATION SECTORS

AUTOMOTIVE

Production of components involves the manufacturing of automotive components such as chassis, body panels, engine parts, exhaust systems, and various other parts that require high precision and durability.

AEROSPACE

Production of structural components: Involves the fabrication of structural components, engine parts, and other critical components that necessitate high-performance materials and stringent tolerances.

HOUSEHOLD APPLIANCES

Production of components concerns the manufacturing of components for household appliances such as washing machines, refrigerators, ovens, and other devices.

The **HP** series of presses includes hydraulic machines constructed with a checked welded steel structure and a base connected by four columns. The mother sheets used to create the frames are meticulously inspected using ultrasonic testing and must meet the acceptability classes of EN 10160. Once the welding cycle is completed, the entire structure undergoes a final heat treatment for controlled relaxation. At the end of the heat treatment, the entire structure is subjected to sandblasting or shot blasting to remove slag, rust, and other impurities, thereby ensuring the cleanliness level required for the type of paint used. This type of machine is particularly suitable for cold forming and cutting of sheet metal.

PRABER
Press

Trimming Machines for Cold Shearing from 200 to 1000 kN.

TRIMMING PRESSES

TM 4S - TM 4S E

The Trimming Presses by PRABER represent the ideal solution for the finishing process of metal components, accurately removing burrs and irregularities from machined surfaces. They are designed with advanced technologies that ensure uniform and efficient burr removal without compromising the structural integrity of the components. Equipped with sophisticated control systems, PRABER presses allow for precise adjustment of the force and speed of the trimming process, perfectly adapting to the specific requirements of each customer. Our solutions also include innovative accessories and automation systems that optimize the trimming process, improving operational efficiency and reducing cycle times.

COINING PRESSES

HP C

Our **HP-C** Series High-Rigidity Machines are monolithic hydraulic presses with a single effect and an upward-moving ram, suitable for stamping, coining, and shearing. The Monoblock portal structure made of steel is configured with symmetrical sections, allowing a maximum deflection of the crossbeam of 0.07 mm when a maximum load is uniformly applied over 2/3 of the surface of the die table. The ram, with adjustable stroke and force, is driven by two double-acting approach cylinders mounted on the lower base, and a central cylinder used for the final pressing force required for the operation.

PRABER
Automation

The PRABER Group: Innovation and Automation in a Unique Brand.

PRABER is the specialized technical partner to undertake automation plans for your stamping production processes. We can advise you and subsequently installing automation systems to enhance productivity and excel in quality.

Possible Integrations:

- **Automotive and Motorcycle**
- **Bolts and Nuts**
- **Hydraulics and Sanitary**
- **Heating**
- **Fittings**
- **Household Goods**
- **Coins and Minting**

ROBOTIC CELLS

We specialize in the design and production of advanced systems for loading and unloading presses, both for hot forging and cold forming, as well as solutions with anthropomorphic robots and automated arms. Our team of expert engineers and technicians works closely with you to understand your specific needs and design tailor-made solutions that integrate seamlessly into your production environment. From the initial analysis to implementation and post-sales support, we are committed to providing a complete and reliable service at every stage of the process.

PRABER

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