

ADDING VALUE



POWER
made in
GERMANY

Sustainability with tradition.

From a company providing services to the forestry industry to a world market leader

1969 

Establishment of a company providing services to the forestry industry by Hans Ruf

1982 

Patenting of the first briquette press for organic residues

1994 

Construction of a **1,700 m²** hall for the manufacture

1997 

Start of **series production** of briquette presses for small-scale processing

1998 

500 briquette presses supplied to more than **56 countries**

2004 

Formation of the subsidiary RUF UK, United Kingdom
Relocation into new production halls in Zaisertshofen

2008 

Expansion of the production area to **13,000 m²**



Founding of the subsidiary RUF US, USA

2010 

Launch of the subsidiary RUF SE, Slovenia

2012 

Sale of the 3,000th briquette press, Ruf now supplies more than **100 countries**

2015 

Company grows to over **100 employees**

2016 

Business taken over by the founder's sons, Roland and Wolfgang Ruf

2018  

Acquisition of C.F. Nielsen A/S, Denmark

Ruf conducts their **10,000th pressing test**

2019 

5,000th briquetting machine sold

2023 / 2024 

30th anniversary of metal briquetting at RUF

6000 briquetting machines sold

Groundbreaking ceremony for new buildings at RUF US and C.F. Nielsen

Family business with tradition.

High-quality briquetting systems for your needs

“Behind every machine, there is a person. Behind RUF briquetting machines, there are people who create added value.” Hans Ruf, company founder.

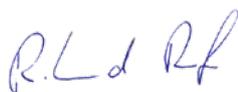
When Hans Ruf introduced his first briquette press in 1985 and sold it to a wood processing plant, the potential for efficiently utilising residual production materials was still largely unknown. Nearly 40 years later, RUF Maschinenbau GmbH & Co. KG has become the world market leader in hydraulic briquette presses and a pioneer in briquetting technology. Now led by the second generation of the founding family—sons Roland and Wolfgang Ruf—the company **employs over 190 people who develop and manufacture modular briquetting machines** and solutions for compressing wood, metal, and other residual materials into briquettes.

As a leading supplier of hydraulic briquetting presses, sustainability is at the heart of our Bavarian family business. Our durable, low-wear hydraulic briquette presses help conserve resources while maintaining the highest quality standards. We prioritise fair workplaces, employee well-being, and strong partnerships with our customers and suppliers. As a full-service provider and reliable partner in all aspects of briquetting, we support you from design and manufacturing to assembly, commissioning, maintenance, and servicing. Your satisfaction is our top priority. With decades of experience and a commitment to providing tailored solutions, we ensure you receive expert support at every stage.

Power made in Germany for more than 40 years!

Our philosophy of preserving and enhancing value is reflected in a unique quality promise: **“Power made in Germany!”**. This stands for development and craftsmanship built to German standards, guaranteeing perfection down to the smallest detail. Our briquetting systems are expertly custom-made by experienced specialists to meet the highest quality demands. The exceptional longevity of our machines is further ensured by our high level of in-house production. Additionally, our extensive spare parts inventory allows for rapid response times, ensuring minimal downtime and maximum reliability.

RUF.
BRIQUETTING SYSTEMS



Roland Ruf



Wolfgang Ruf



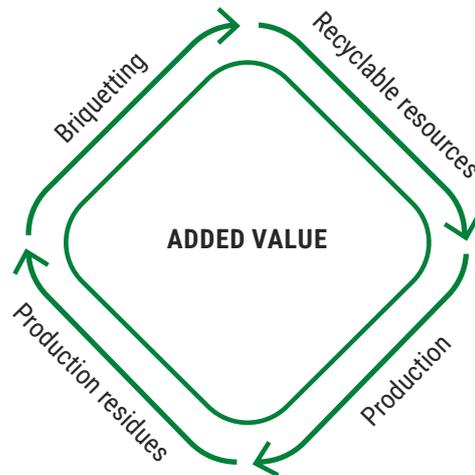
Sustainable value creation through efficient circular economy.

Recycling or reintegrating residual materials into the production process benefits not only the environment but also efficiency and cost-effectiveness. RUF briquetting systems provide the foundation for incorporating nearly any material into a recycling loop—an ideal alternative to the costly disposal of production residues.

Briquetting is, among other benefits, an effective method of volume reduction. RUF's briquetting systems are designed to compact a wide range of organic and inorganic chips, as well as other residual materials, transforming them into a stackable form.

This offers several advantages for you:

- ✓ The compact form of the residual materials means you require less space and money for handling, storage, and transportation.
- ✓ Potential savings when purchasing raw materials and disposing of residual materials.
- ✓ As briquettes often have a higher sales value and are easier to market, they provide measurable added value for your business.



The advantages of briquetting



Volume reduction



Increased revenues from the sale of briquettes



Reduce logistics expenditure



Minimise disposal costs



Environmentally friendly

Optimal use of residual materials – with briquetting solutions by RUF.

Maximum benefit

Get the maximum benefit from your residues. With a custom-made briquette press from RUF, the expense is minimal while the benefits are maximised.

- ✓ **Hydraulic pressing process**
- ✓ **Simple assembly: Plug & Press**
- ✓ **Low space requirement**
- ✓ **Low level of abrasion**
- ✓ **Low susceptibility to breakdown**
- ✓ **Seamless integration into existing production processes**
- ✓ **Automated equalisation of varying bulk densities**



- ✓ **Quick return on investment**
- ✓ **Fully-automatic 24-hour operation possible**
- ✓ **Low operating and maintenance costs**
- ✓ **Energy-saving operation**
- ✓ **Long lifespan**

FREE AND NON-BINDING TEST PRESSING

In our Technical Centre, we can offer you a free and non-binding test pressing of your material. A pressing test forms the basis for customising our briquetting machines to your material and to your requirements, and provides a diverse range of results.

www.briquetting.com/test-pressing



Request
test pressing
now



RUF Group



RUF MASCHINENBAU GMBH & CO. KG

Hausener Str. 101
86874 Zaisertshofen,
Germany

www.briquetting.com



C.F. NIELSEN A/S

Solbjergvej 19
9574 Bælum,
Denmark

www.cfnielsen.com



RUF UK LTD

Castle Point Business Park, Fauld
DE13 9BA Burton upon Trent, Staffordshire,
United Kingdom

www.briquetting.co.uk



RUF US INC.

771 Sugar Lane
44035 Elyria OH,
United States

www.ruf-briquetter.com



RUF SE D.O.O.

Kranjska cesta 4
4240 Radovljica,
Slovenia

www.ruf-se.si



C.F. Nielsen.

From blacksmith to market leader in mechanical briquette presses

Founded in 1889 as a small forge in Bælum, Denmark, the company quickly expanded. Its entry into cast iron production paved the way for the development of an engineering company that has since specialised in manufacturing mechanical briquetting presses. With over 80 years of experience in briquetting, the company has become one of the world's leading manufacturers, successfully selling its presses across Asia, Africa, Europe, America, and Australia.

Briquetting Experts – The whole range of briquetting

On July 1, 2018, C.F. Nielsen A/S was incorporated into the RUF Group, expanding its expertise to two different briquetting technologies.



Mechanical briquetting press

C.F. Nielsen is a leader in the field of mechanical briquetting technologies. The robust presses are suitable for systems with capacities from 200 to 3,500 kg/h. They work on the principle of an eccentric press: A rotating eccentric presses the material precisely through a conically shaped tool. The counterpressure can be flexibly adjusted by using dies with different conicities. With its large selection of die systems, C.F. Nielsen meets the individual requirements for material and briquette quality.



Hydraulic briquetting press

The briquetting presses from RUF are based on a specially developed hydraulic system that is continuously being improved. They offer throughput rates of 30 to 4,800 kg/h (depending on the material) and compact materials such as metal and wood chips into compact briquettes under high hydraulic pressure. A precisely controlled piston in the press cylinder ensures optimum compaction without binding agents. The efficient hydraulic system ensures consistent briquette quality, energy-efficient operation and effective recycling of residual materials.

Briquetted Diversity – Strength in every briquette.

Briquetting systems by RUF



WOOD



BIOMASS



METAL



RUF briquetting systems compact a surprising variety of materials. This supports efficient recycling processes and sustainable energy generation. Briquetting systems not only play a central role in waste recycling, but also in ensuring the safety of disposal processes.

OTHER

An excerpt from the wide range of briquetting options:

	PAPER		BIOMASS
	CARDBOARD		CELLULOSE
	TEXTILE LEFTOVERS		ELECTRICAL DUST
	COTTON		PU
	BANKNOTES		CANS
	STYROFOAM		GRINDING DUST



Briquetting in the wood industry.

For efficiency and profitability

Compact. Utilise. Improve.

Briquetting wood is an attractive option for sawmills and wood processing companies, enabling the efficient use of waste wood to produce high-quality fuels for both industrial and domestic use. The hydraulic briquetting presses by RUF and the mechanical presses by C.F. Nielsen together provide an optimal solution for all applications in wood processing.

WASTE RECYCLING:

Wood residues from processing are put to good use.

FLEXIBILITY:

Briquettes can be used for various purposes – from energy production to use as fuel or raw material in industrial processes.

RESOURCE EFFICIENCY:

Residual wood and wood waste can be used to produce high-quality fuels or raw materials.

ENERGY EFFICIENCY:

Wood briquettes have a higher density and, therefore, better combustion properties than loose wood waste, leading to more efficient combustion and lower emissions.

SPACE SAVING AND COST REDUCTION:

Compact briquettes enable efficient storage and easy transportation of wood products, which significantly reduces storage and transportation costs.

LOWER RISK OF EXPLOSION AND FIRE:

Briquetting wood reduces the risk of explosion and fire by minimising the amount of dust, ensuring safer storage and processing.

SUPPORTING CO₂ NEUTRALITY:

Wood briquettes are considered CO₂-neutral because the combustion process releases the same amount of CO₂ that the tree absorbed during its growth.

LOWER MOISTURE CONTENT:

Wood briquettes are made from dried natural wood, resulting in cleaner combustion with less smoke and ash.



More about
briquette presses
for wood



Briquetting of biomass.

Energy from residual materials

100 % Natural

For companies in the biomass industry, briquetting offers a way to transform biomass residues into compact, **transportable resources**. This improves storage, transportation, and handling, while also helping to **reduce environmental impact**. With mechanical and hydraulic briquetting technologies, RUF and C.F. Nielsen offer the right biomass processing solution for every application.

REDUCTION OF RESIDUAL MATERIALS:

Efficient use and recycling reduce the amount of biomass residues.

STRAW BRIQUETTES IN BIOGAS PLANTS:

Agricultural waste and crop residues offer significant potential as sources of energy and fertiliser. With the right technology, these can be used efficiently and turned into a promising business opportunity.

STORAGE AND TRANSPORT EFFICIENCY:

Converting biomass residues into compact briquettes simplifies transportation and handling, saving space.

SUSTAINABILITY:

Supporting the circular economy by recycling biomass residues, reducing waste, and conserving natural resources.

ECONOMIC EFFICIENCY:

Reduction in operating costs through the use of briquettes as a cost-effective fuel.

HIGH CALORIFIC VALUE:

Biomass briquettes have a relatively high calorific value and are therefore an efficient energy source with a high energy yield.

RENEWABLE ENERGY:

Biomass briquettes are made from renewable sources, offering a sustainable energy alternative to fossil fuels, which are of limited availability.

REDUCTION OF THE RISK OF EXPLOSION AND FIRE:

Briquetting biomass reduces the risk of explosion and fire, as the material is compacted, minimising dust formation and ensuring safe handling.



More about
briquette presses
for biomass



Briquetting of metal.

Efficient recycling and environmental protection combined

Increasing value through optimal recycling technology

Metal processing companies benefit from the conversion of metal chips and waste into compact, easy-to-handle briquettes. It enables more efficient storage, transportation and recycling processes.

SPACE SAVING:

Compact briquettes significantly reduce the space required and the volume of metal waste for storage and transportation.

COST REDUCTION:

Lower storage and transportation costs.

RECOVERY:

Recovery of valuable cooling lubricants.

VALUE ENHANCEMENT:

Greater added value through the conversion of metal waste into tradable raw materials.

RECYCLING:

Transforming metal chips and waste into reusable briquettes for the raw material cycle.

ENVIRONMENTAL BENEFITS:

Briquetting metal optimises recycling, reduces air pollution, and saves resources by decreasing the energy required for processing and transport.



More about
briquette presses
for metal





RUF – A Name You Can Trust.

Expert all-round service



As your all-round service provider and trusted partner for briquetting, we provide comprehensive support.

Our services include consulting, design, and precise manufacturing, as well as professional installation and commissioning. We also provide regular maintenance and system inspections. Throughout the process, you will have a dedicated expert by your side to assist you at every stage.



RELIABILITY

Before and after your purchase, our customised briquetting solutions are based on a thorough analysis of your individual needs. Our machines are tailored to your specific requirements, and our dependable customer service team will continue to support you long after your purchase.

QUALITY THROUGH IN-HOUSE PRODUCTION:

Thanks to our production facility in Zaisertshofen, Bavaria, we can guarantee long-term availability of spare parts. Our in-house manufacturing stocks all essential components for RUF systems, even for machines that have been in use for over 25 years.

TIME SAVINGS THROUGH FLEXIBILITY:

The RUF brand promise ensures consistently high quality. We deliver quickly and directly, minimising downtime with our flexibility and extensive stock of spare parts.

GLOBAL MARKET LEADER THANKS TO SATISFIED CUSTOMERS

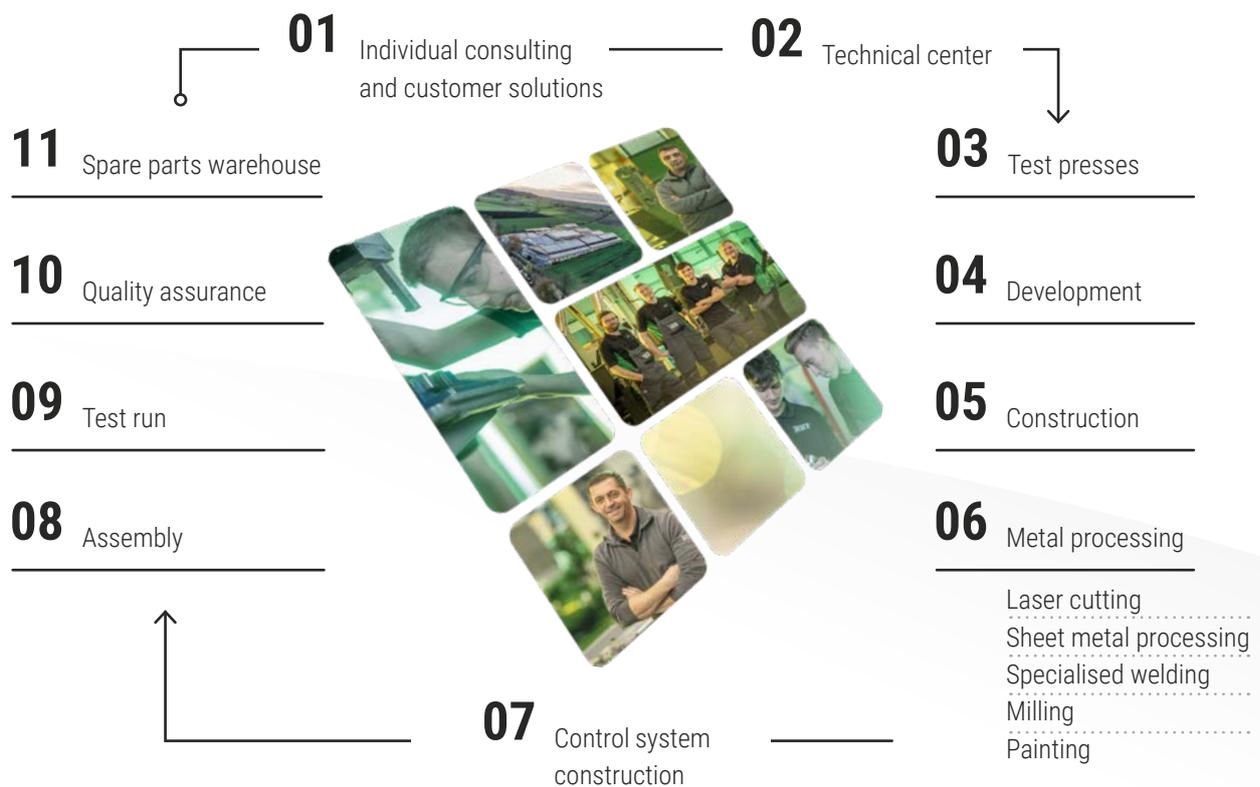
Innovation, a down-to-earth approach and functioning sustainability are our key to success, confirmed by customers in over 100 countries.



From construction to maintenance.

Our manufacturing process in detail

Manufacturing and production steps at a glance:



RUF Briquetting Systems:
100 % "Power made in Germany" for over 40 years!



POWER MADE IN GERMANY

SINCE 1982



Sustainability at RUF.

Environmentally friendly and certified

Sustainability is a core value of our corporate philosophy. This commitment starts with the production of our briquetting presses: **our photovoltaic system generates more energy than we need for production.** The e-charging stations for our employees further highlight our dedication to environmentally friendly mobility.

As an ISO 9001 (quality management) and ISO 14001 (environmental management) certified company, we continually monitor our key performance indicators and strive to optimise our processes and services in line with sustainable development.



As a leading provider of briquetting system solutions, sustainability is integral to our machine production. **The long service life and low wear and tear of our machines help conserve resources while maintaining our high-quality standards.** From the precise assembly of individual components to the robust design, RUF machines are built for long-term and heavy-duty use.



#YOUR RUF CAREER



FAMILY-LIKE



FAIR



GLOBAL



SECURE

Join the RUF Family!

With over 55 years of history, RUF is managed by Roland and Wolfgang Ruf in the second generation. The RUF family offers an excellent working environment, thanks to its owner-managed structure and the family's passion for both the company and its employees. High-quality tasks, a strong sense of appreciation for employees, flexible working hours in a one-shift operation, and numerous additional benefits make working at RUF a rewarding experience.

YOUR ADVANTAGES:



Family-like
atmosphere



> 190
employees worldwide



International working
environment



Sustainable
work

Our employees are the heart of our company, and their well-being and satisfaction are of utmost importance to us. We take pride in offering a comprehensive package of employee benefits, designed to create an appreciative and positive work environment. Our employees are our most valuable asset, and we aim to give back through these corporate benefits. For example, they can relax in the company's own summer garden during breaks or use the various social rooms for lunch and leisure activities. Shared experiences are built at company events and sports groups, while further training provides opportunities for both personal and professional development.

More information on
our career page →



*Our employees are our most important asset.
That's why we offer them a comprehensive range of
additional benefits designed to create a workplace
that is pleasant to work in.*

Roland Ruf, CEO

www.briquetting.com

RUF

BRIQUETTING SYSTEMS

WORLD MARKET LEADER FOR BRIQUETTE PRESSES

RUF MASCHINENBAU GMBH & CO. KG

Hausener Str. 101 - 86874 Zaisertshofen, Germany

Tel: +49 - 8268 - 9090-0

E-Mail: info@briquetting.com

