



Sustainable production



***Sustainable into
the future...***

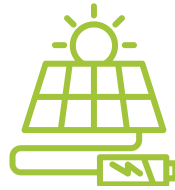
***Production of elbows
and fittings according to
ASME 16.9 / ASTM A403...***

***Further expansion of the
Production at the site
Ohrdruf / Thuringia...***

***Exhibitions
In 2023...***

Best prospects for our energy balance...

Save energy and produce sustainably



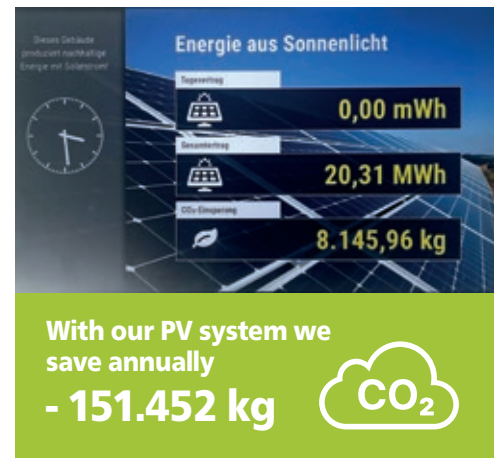
Even in the supposedly less environmentally friendly steel industry, the idea of „green steel“ has been gaining ground for some time. We support this concern and take care to make our production as climate friendly as possible.

With the installation of a photovoltaic system on the 6,400 square meter production hall in Ohrdruf/Thuringia, we have taken an important step towards the sustainable production of our stainless steel fittings and elbows.

The photovoltaic system with a yield of 285,041 kilowatt hours now enables us to cover around 30 percent of our annual electricity consumption ourselves.

In addition, the new photovoltaic system saves us an immense value of up to 151,452 kilograms of carbon dioxide per year.

A further contribution to our sustainability strategy, to improving our energy balance and thus to environmental protection.





Part of the generated electricity flows – via the public network – into another sustainability project:

Two charging stations where own and customer vehicles can be conveniently charged.



Further articles on the SPRINGER sustainability concept..

State-of-the-art LED technology in all production halls

Once again, we have converted a production hall to LED technology. Thus, the entire production area has now been converted to modern, economical LED lighting. Not only a considerable saving of energy costs is an advantage, but also the significantly better light, which is used without time delay, directly after switching on. Last year, another part of the production hall was equipped with this technology.

Today, it is also possible to switch individual LED luminaires separately, which leads to further savings potential.



Saving energy with daylight

The illumination of buildings with daylight contributes significantly to the reduction of energy consumption and the associated cost reduction. We have therefore modernized all daylight strips at the Nettetal site and equipped them with efficient continuous rooflights and skylights.

In concrete terms, this means that more daylight is used for lighting, thus reducing energy consumption through artificial lighting.



Flexible lighting control

Light always with pinpoint accuracy when and where it is needed. Modern time-controlled hall lighting with motion detectors makes it possible.



Modern Energiemanagementsystem

The systematically applied energy management system at SPRINGER increases energy efficiency, reduces energy consumption and thus consistently reduces greenhouse gas emissions.



Recycling of used packaging materials

The packaging material produced daily at SPRINGER is professionally recycled in-house and the filler material obtained in this way is reused in new packaging.



Digital postal delivery

All documents are sent digitally at SPRINGER, saving paper and time. In terms of incoming mail on the customer and supplier side, an 80% degree of digitization has been achieved so far.



Use of environmentally friendly grease and lubricants in production

Springer uses environmentally friendly grease based on biodegradable base oils. In the hydroforming sector, we work with water-based bonded coatings.



Springer starts production of elbows and fittings according to ASME 16.9 / ASTM A403....

Below is our production program, which is initially only produced for customer orders or for project requirements:

- **elbows (Long Radius)**
in the dimension range of 1/2" - 12", series: S10 - XS
- **tees**
in the dimension range of 1/2" - 8", series: S10 - XS
- **reducers (concentric)**
In the dimension range of 4" - 8", series: S10 - XS
(smaller dimensions will follow soon)

Materials: 304/304 L / 316/316 L / 321/321 H / 316 Ti

We manufacture these products with EU origin (country of manufacture Germany) / and EU - primary material.

In the meantime, TÜV Rheinland has expanded our scope to include these products.



Made in Germany: Tees, elbows and reducers with extreme wall thicknesses...

Tees, elbows and reducers made of stainless steel with extreme wall thicknesses, also in special qualities, from German production. We produce for you at our location in Ohrdruf (Thuringia), with short delivery times.

Test us, test our products...



Anlage zum Zertifikat-Nr.: 01 262 922/Q-06 6031

TÜVRheinland®

AD 2000-Merkblatt Datum 12.10.22

Verordnung (EU) Nr. 305/2011 (System 2+)

Geltungsbereich nach: Richtlinie 2014/68/EU Anhang I §4.3

Werk EN 794-4

Name: Fa. Springer GmbH, Hermsdorf-Deuf 4 c

Ort: D-41334 Nettetal

Werkstoffbezeichnung: Werkstoff-Nr.

Lehrzustand

Prüfgegenstand: Erzeugnisform

Abmessungen: Dicke, Inn, Auß, Inn, Auß, Inn, Auß

Geometrische Anforderungen: Technische Regeln

3. Werkstoffe nach internationalen Normen (z. B. ASTM, ASME, EN usw.):

ASTM-AKS	AT	Reduzierungen, T-Stücke, Richtbögen, Gebühnen	1,5	12	13,5	406
WP304 (1.4301)						
WP321 (1.4541)						
WP316 (1.4401)						
WP316L (1.4404)						
WP316 Ti (1.4571)						
WP321						
WP321 H						

SPRINGER **steel** STEEL-TECHNIK

Expansion of production in Ohrdruf / Thuringia...

During de-globalization and the further change in the increased expansion of our production, our production in Ohrdruf/Thuringia will be further expanded.

We are currently supplementing our production capabilities with another press for hydroforming and additional processing machines.

In addition, 4 additional FANUC industrial robots for demanding automation solutions will be put into operation.

In the future, we will significantly expand the production of stainless steel welding fittings, such as tees, reducers, and elbows, and also add the possibility of manufacturing these parts according to ASTM A403 / ASME B 16.9.

Our hydroforming technology also allows the production of other products, such as components for the automotive industry or biogas and / or hydrogen plant construction.



Construction of another hydroforming press (hydroforming)
- Pressing force 1200 tons in March 2023.



we exhibit and look forward
to your visit...



Headquarters

Herrenpfad-Süd 4c
D-41334 Nettetal, Germany
Phone: +49 (0) 2157 / 8965-0
Fax: +49 (0) 2157 / 8965-40
E-Mail: info@springer-gmbh.de
Web: www.springer-gmbh.de

Factory Ohrdruf

Ringstraße 2
D-99885 Ohrdruf

Warehouse Ohrdruf

Steinstraße 5
D-99885 Ohrdruf



Expo & Conference | Essen | 4 - 5 April 2023

Stainless2023
11th International Stainless Steel Fair

Exhibition Center | Brünn | 10 - 11 Mai 2023



MECC | Maastricht | 26 - 28 September 2023