



BenderWire
Group

Stamm Feindrahtwerk – a member of the BenderWire Group.

Proudly family-owned, our dynamic team of more than 500 employees drives an impressive annual turnover of 280 million EUR!

redefining wire. since 1815.



Hagener Feinstahl



Sassenscheidt



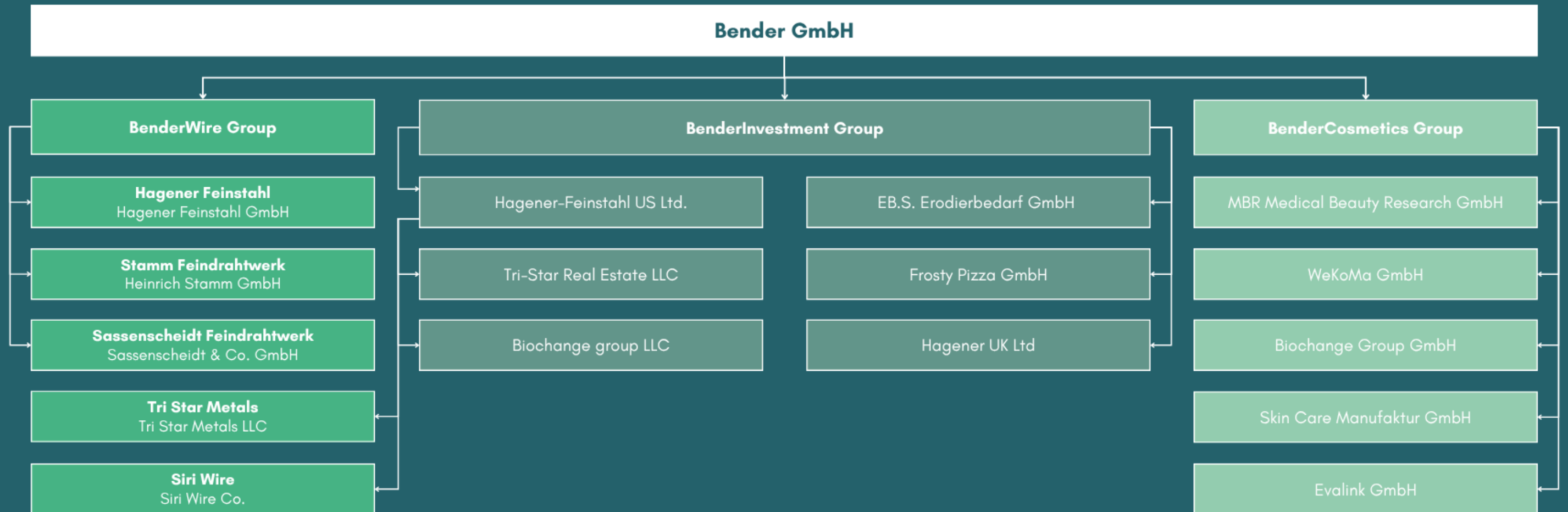
Stamm



Tri Star

Bender Group – Stability through diversification

As a family-owned group of companies, the Bender Group stands for long-term thinking, operational resilience, and cross-industry expertise. From high-precision wire manufacturing to strategic investments and cosmetics – We are a part of this solid and future-oriented corporate alliance.



Together, we are redefining wire – globally and from a single source.



- 📅 Founded 1815
- 📍 Iserlohn, Germany
- 🏢 Round wires
0,011 mm – 0,200 mm (0.000433" – 0.00787")



- 📅 Founded 1912
- 📍 Nachrodt, Germany
- 🏢 Rope and strands, round wires
0,200 mm – 0,500 mm (0.00787" – 0.0197")



- 📅 Founded 1937
- 📍 Hagen, Germany
- 🏢 Round wires
0,500 mm – 15 mm (0.0197" – 0.59")



- 📅 Founded 1985 & 2001
- 📍 Arizona / Connecticut / Illionois, USA
- 🏢 Wires and bars, warehousing partner for the USA
0,90 mm – 25 mm (0.035" – 1.00")



Strong on our own – even stronger together.

As part of the BenderWire Group, we are not only specialists in ultra-fine wires but also an integral part of a powerful process and expertise network.

- **material development with access to group-wide know-how**

E.g. tailored steel grades from Hagener Feinstahl supported by a strong network of melting facilities.

- **fast coordination & effective problem solving**

Combining diverse core competencies with streamlined coordination and fast decision-making.

- **enhanced delivery reliability & planning security**

Pre-material supply from multiple sources within the group.

- **single point of contact for all wire needs**

One dedicated contact for all requirements.

- **Tri Star Metals & Siri Wire**

Warehousing and production capacities in the USA.



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200 years of wire expertise – a constant presence in the future of technology.

"Since 1815, we have been shaping the future of wire – with technological know-how, craftsmanship and the strength of a powerful and independent group."



Leading specialist in fine and ultra-fine wires with a focus on automotive, electronics, medical technology, energy, aerospace and music.



As a member of the BenderWire Group, we are enablers with access to consolidated expertise, extended production capabilities, and global delivery performance.



For our customers, we are more than just a supplier: we are a strategic and technological partner in shaping innovative products.



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Stamm Feindrahtwerk.

technologies & precision

- specialized in diameters from 11 μm to 0,3 mm (0.00043" to 0.011")
- over 80 drawing machines, in-house die polishing, and more than 35 continuous furnaces for maximum flexibility and consistently reliable quality
- in-house electroplating and profound materials expertise
- access to melting partners and creation of proprietary new materials
- advanced in-house lab capabilities (SEM, nitrogen-, oxygen-, carbon-, hydrogen analyzer)

people & brand

- medium-sized structure, short decision paths, and high personal commitment
- we support you from concept to application: solution-oriented, precise, and reliable – with strong partners, innovative approaches, and technological excellence

Quick facts – Stamm Feindrahtwerk overview



#1 world market leader
for fine wires



over 200
satisfied customers



20 Mio. EUR
turnover



15.000.000 km
produced wire length



3
locations & business units



700 to.
quantity



over 100
employees



70 %
stainless steel



20 %
EDM



10 %
non-ferrous

Materials and manufacturing expertise.



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broad materials expertise

- stainless steel (302, 304, 304 NX, 304 VX, 304 T, 304 L, 304 LV, 316, 316L, 316 LVMx), Nickel, Monel, AlMg5, CuZn, CuSn

processes

- drawing, annealing, surface treatment
- customized spooling and special packaging

wire diameters

- 11 µm bis 0,3 mm (0.00043" to 0.011")
- larger diameters up to 15 mm (0.59") are available within the BenderWire Group

wire conditions

- soft annealed, hard, high tensile >3000 Mpa (>435 ksi)
- bright surfaces
- wire diameter tolerances $\pm 0,0004$ mm (± 0.000015 ")

surfaces

- bright
- electroplated

ISO certification

- ISO 9001
- ISO 50001



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BenderWires – next-generation materials for specialized applications

BenderWires offer precise material performance, outstanding purity and uncompromising quality – with single-, double-, and triple-melted stainless steel options.

BenderWire 304 NX	BenderWire 304 VX	BenderWire 304 T	BenderWire 304 LV	BenderWire 316 LVMx
high tensile strength triple melted with inclusions < 5 μm (< 0.00020")	high tensile strength double melted with inclusions < 10 μm (< 0.00040")	high elongation triple melted with inclusions < 5 μm (< 0.00020")	high corrosion resistance double melted with inclusions < 10 μm (< 0.00040")	high corrosion resistance triple melted with inclusions < 5 μm (< 0.00020")

Industry solutions – and future markets.

Our fine wires are used wherever innovation, safety and reliability make the difference. We manufacture wires for the following industries.



medical technology

catheters, implants and stents, etc.



energy & solar

solar cells and batteries



aerospace

electromagnetic shielding



electronics & sensor technology

touchscreens and microchips



music

strings for musical instruments



filtration

engineered screens



screen printing

precision stainless steel mesh



automotive

heating systems, electronic parts, etc.



food industry

technical sieves



chemical industry

resistant technical screens



toolmaking, EDM application

tool molds, stamping tools

Understanding what matters – and delivering what is needed.

Different requirements meet one thing with us: reliability, innovative strength, and technical excellence.

research and development

- in-house material development
- phase analysis through proprietary electroplating and annealing systems
- access to group-wide technology know-how
- high response speed for samples and trials

quality assurance

- ISO-certified production
- every batch is tested to ensure full traceability and consistent quality

procurement

- stocking concepts in Germany and the United States for production security
- full-service provider for wire solutions from 11 μm to 15 mm (0.00043" to 0.59")
- central points of contact within the group

sales

- access to the entire product portfolio and expertise of the BenderWire Group
- customized solutions for complex customer requirements
- development partnerships beyond corporate boundaries



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Ingpuls GmbH – partnerships for greater possibilities.

core competencies

Ingpuls GmbH from Bochum is a leading manufacturer of shape memory alloys (SMA) with a focus on nitinol. As the only German company in the field, Ingpus covers the entire value chain – from development to system integration. Founded in 2009 as a spin-off of Ruhr University, Ingpus is now a technology partner for industries including medical technology, aerospace, and automotive.

partnership

Collaboration with Ingpus enables access to highly specialized materials and system solutions used in demanding applications. Together, innovative products are developed that set new standards through the unique properties of shape memory alloys.



Wire solutions and innovations at a glance.



From medical micro-precision to high-performance EDM and string wires – we provide wire solutions for demanding applications across various technological fields.

	stainless steel & specialty wires	EDM wire – STAMMCUT®	musical string and mesh wires
materials	302, 304, 304 NX, 304 VX, 304 T, 304 L, 304 LV, 316, 316L, 316 LVMx	CuZn36, CuZn40, Cu	stainless steel, various brass alloys aluminum, nickel alloys various bronze alloys
surfaces	bright, optionally refined wire diameter tolerances $\pm 0,0004$ mm ($\pm 0.000015''$)	bright, zinc-coated multilayer special coatings	smooth burr-free optionally refined
features	fine and ultra-fine wire from 11 μm (0.00043") tightest tolerances, high strengths	Brass 950 / 500 / 1050 A950, G900, V, TH, TPN XP	uniform wire tension fine diameters
properties	dimensional stability, traceability, biocompatibility according to USP <87> or DIN EN ISO 90001:2015, high purity	standard diameters, high electrical conductivity, precise straightness, consistent material removal performance, high cutting speed	form and dimensional stability

What sets us apart – and matters to you.

We excel where others reach their limits: in precision, speed, and solution-oriented thinking – powered by a solid structure, decades of experience, and technological innovation.

Precision that sets new standards.

- Highest quality and traceability for sensitive applications.
- Ultra-fine wires from 11 μm (0.00043") with tightest tolerances.
- In-house die polishing, electroplating, and state-of-the-art measuring technology.

Fast. Adaptable. Reliable.

- Flexible production volumes and short-term delivery capability – even with changes.
- Over 80 drawing machines, large raw material stock and established processes enable immediate specification adjustments.

Solutions emerge through dialogue.

- Tailored development in close partnership with our customers.
- Co-creation instead of standard offerings – committed in word and deed, focused on developing individual solutions.

Consolidated expertise – one point of contact.

- Complete solutions from a single source across the entire wire diameter spectrum.
- Group-wide material development, supply security, and centralized access to the full portfolio.



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Success begins with understanding – and grows through joint action.

For us, partnership is more than just a word. It means: listening. Understanding. Co-developing. And actively shaping the journey together – reliably, agilely, and with foresight.



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**Let's connect –
personally, reliably, and solution-oriented.**

Whether you have a specific project in mind or are just looking for inspiration – we look forward to connecting with you.



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