Table of Contents

- BESSEY precision steel – The History
- BESSEY precision steel – The Brief Portrait
- BESSEY precision steel – The Success Factors
- BESSEY precision steel – The Products
- BESSEY precision steel – The Range of Services
- BESSEY precision steel – The Testing Facilities
1889
Foundation of a bright steel drawing plant in Stuttgart by Max Bessey

1966
Stainless steel is added to the product range

1983
Concentration on bright steel production at new manufacturing site in Bietigheim

2004
Establishing the independent BESSEY Präzisionsstahl GmbH

2006
As part of the strategic direction for service partner:
Installation and startup of the ultrasonic inspection system with latest phased array technology
BESSEY Precision Steel – The History

- Continuous development as a strategic partner and "problem solver"
- Investments in the latest manufacturing and inspection technologies allow the fulfillment of the highest claims
- As a family owned business – market presence in the future with the mark "Made in Germany" and "BESSEY. Simply better."

- Expansion of the shareholder base by Managing Director K. Fuchs
- Installation of the latest eddy-current testing systems
- Investment in a Remagraph for the detection of magnetic properties
- 130-year anniversary
- Foundation of BESSEY Präzisionsstahl Vertriebsgesellschaft mbH

2011

2012

2019
BESSEY Precision Steel – The Brief Portrait

About us

- BESSEY Präzisionsstahl is one of the leading German manufacturer- and trading-independent supplier of high quality bright- and stainless steels, using the latest production- and inspection-techniques.

- BESSEY Präzisionsstahl offers a high level of customer service by means of:
  - Technological and metallurgical consulting
  - High supply flexibility
  - Solutions for demanding product requirements
Quality

Raw material from selected manufacturers is processed in modern production and inspection plants to precision steel bars.
BESSEY Precision Steel – The Success Factors

Quality

The continuously improving quality standards are verified by means of certification of the products and quality management system.
BESSEY Precision Steel – The Success Factors

Flexibility

The ability to reach decisions quickly and a large machinery park enable us to react flexibly to varying requirements.
Customer orientation

Close contact to our customers is important to us.
We consider new market trends and the increasing requirements from our customers for precision and machinability of the materials to be a challenge.

- Turneries (incl. Automotiv Tier2+3) 22%
- Mechanical engineering 45%
- Automotive (OEM / Tier1) 14%
- Fastening technology 17%
- Miscellaneous 2%
BESSEY Precision Steel – The Products

- Free-cutting steel
- Steel for general technical applications
- Case hardening steel, quenched and tempered steel and anti-friction bearing steel
- Rust-proof and acid-resistant steel (stainless steel)
- On request: Cold-heading steel and nitrided steel

Our qualified engineers are also able to find suitable solutions for individual applications.
BESSEY Precision Steel – The Products

Examples of applications in different industries

- Special materials for the automotive industry e.g. Common-Rail systems
- Visually appealing solutions for the Furniture Industry, Laboratory and Medical Technology
- Customers with special requirements:
  - Magnetic valve steels
  - Linear technology
  - Textile industry
  - Gas pressure springs for automotive and furniture industry
  - Hydraulic, fluidic and mechanical connection technology
BESSEY Precision Steel – The Range of Services

- **Manufacturing:**
  drawing, peeling, grinding, sawing
- **Dimension range:**
  6-100 mm
- **Surface processing:**
  grinding of demanding surfaces
- **Profile:**
  round, square, hexagon and flat, as well as other special profiles on request
- **Test techniques:**
  ultrasonic, ferro flux, eddy current crack detection, individual customer test techniques with certification e.g. sorting, visual inspections, etc.
- **Tolerance range:**
  ISO 6 to 11 / bar lengths 3-7 m
Performance parameters of the phased array ultrasonic inspection:

- Test references to KSR 0,7 mm
- Area of evaluation: 10-44 mm bar diameter
- Fault detection in dynamic operation: 10 mm fault length
- Uninspected bar ends 50 mm (both ends)

Surface inspection systems through Eddy-Current testing systems:

- Inspection area 6-50 mm
- Examination in a continuous process (Defektomat) in the drawing lines
- Examination in a continuous process (Defektomat) and / or rotation method (Circograph) in two offline test systems
BESSEY. Simply better.

BESSEY Präzisionsstahl Vertriebsgesellschaft mbH
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