



More than pipes – Solutions for Nuclear Technology

BUTTING is a global supplier of stainless-steel pipes and components, known for its vertically integrated manufacturing and decades of experience in demanding industries. With a strong track record in the nuclear sector since 1974, we offer:

- Longitudinally welded pipes
- Piping systems, tanks, and pressure vessels
- Wet storage racks and square pipes
- Transport and dry storage casks (e. g., CASTOR®)

**BUTTING**



CASTOR® HAW basket

Technical Capabilities

We combine advanced and fully integrated manufacturing technologies to meet the highest nuclear industry standards, ensuring optimal product quality and full compliance with stringent technical requirements.

- All current arc and beam welding processes such as laser and electron beam welding
- Precise machining including large-scale milling up to 14 m
- Laser processing for fine and complex components
- Forming processes
- Complex assembly operations
- Cleaning activities including Clean Room DIN ISO 14644-1 Cl. 7/8
- Surface treatments such as grinding and shot peening
- Non-destructive testing (NDT) including dye penetrant testing and X-ray examination
- Destructive testing (DT) in our in-house accredited laboratory

Certifications & Qualifications

BUTTING complies with the most stringent industry standards to ensure the highest quality and safety in nuclear applications. Our certifications and standards include:

- ISO 19443
- ASME NQA-1 compliant
- RCC-M
- KTA 3211.3
- AVS D 100/50



Pool storage rack



Series production CASTOR® V/52

New Build Projects

BUTTING actively supports the development of new nuclear power infrastructure. For large-scale reactor builds and next-generation SMRs (Small Modular Reactors), we supply longitudinally welded stainless steel pipes that meet the highest safety and performance standards.

Our pipes are used in:

- Cooling circuit systems and utility lines
- Safety-relevant pipelines and infrastructure

Key features:

- Pipe diameters up to 3,000 mm and lengths up to 18 m
- Tight tolerances and homogeneous weld seams
- Surface roughness and cleanliness to nuclear specifications
- 100 % traceability, NDT and pressure testing as required

Selected new build project references:

- Taishan (China)
- Olkiluoto (Finland)
- Flamanville (France)
- Hinkley Point C (United Kingdom)

Waste Management Projects

BUTTING is committed to supporting safe and efficient waste management solutions in the nuclear industry. We supply square pipes and prefabricated assemblies designed for safe and reliable fuel handling in both wet and dry storage applications as well as transport solutions.

Product examples:

- Square pipes for wet and dry storage application
- Complete racks for wet storage
- Casks for dry storage and transportation

Key features:

- Processing of boron-alloyed stainless steel, copper, or aluminum alloys including high precision welding
- Square pipes produced from plate or coil (continuous process)
- Expert machining and edge finishing beyond standard mill tolerances
- Strict quality, testing, and cleaning procedures throughout all stages

Selected references:

- CASTOR® transport and storage casks
- Square pipes and spent fuel racks for European and South American storage facilities



BUTTING Knesebeck, Germany

BUTTING Group

Founded in 1777

Turnover > 1 billion Euro (2024)

Employees 2,500

Base area of Knesebeck location
535,000 m²

Tonnage processed/year
> 70,000 tons

Pipes produced
2,500 km p.a.



Our Quality – Your Safety

Absolute reliability isn't just a requirement – it's a principle we live by in every nuclear project. Therefore, we ensure traceable production and maintain strict internal standards throughout every process step. BUTTING is your one-stop-shop for stainless steel solutions in nuclear technology.

BUTTING

29379 Knesebeck
Germany

Phone: +49 5834 50-0
nuclear@butting.de

www.butting.com



BUTTING