



## More than pipes – Solutions for Nuclear Technology

### Core competencies

BUTTING produces value-added metal products and assemblies utilising vertically integrated manufacturing processes. In addition to our expertise in the production of stainless steel pipes we also offer

our know-how in welding technology, surface finish and machining in combination with forming, bending, laser cutting, and complex assembly operations.



**BUTTING**



CASTOR® HAW basket

## Experience in the nuclear industry

As early as 1974, BUTTING has supplied the nuclear industry with pipes, piping components and prefabricated assemblies. To date we have been successfully commissioned to supply pipes and piping components for numerous nuclear power plants worldwide.

Right from the start, we put our years of experience and extensive skills in special materials and processing to good use in this wide range of projects. With the knowledge gained from each project we have perfected and broadened our skills, leading to improvements both in the products and in lead times.



Assembly LHC Injection Kicker, CERN



Series production CASTOR® V/52

## Baskets for transport and interim storage casks

BUTTING has specialised in the manufacture of a variety of baskets for transport and interim storage casks and built up the corresponding capacities. For the different types of fuel elements, specific spent fuel baskets are produced. We select suitable material grades – e.g. boron-alloyed stainless steel, copper or aluminium alloys – from the broad range of available materials. Depending on the basket type, we process sheets and plates in a thickness range from 4 mm up to 20 mm. As semi-finished products with standard mill tolerances are insufficient to meet final requirements, they must undergo specific machining and levelling of all edges.

For the manufacture of modules laser and electron beam welding methods are used. The modules, positioned precisely and specifically relative to each other, are then assembled to make the baskets. Extremely tight tolerances of the finished baskets can be achieved through careful handling of the materials

and expert processing by skilled and experienced staff. BUTTING complies with very stringent testing and cleaning standards and utilises them throughout all operations.



Configuration CASTOR® 440/84



Assembly pool storage rack

## Square pipes and storage racks

Other series products from BUTTING are square pipes and complete racks for the transport and pool storage of fuel elements in the nuclear islands.

We produce square pipes both from plates as single part production and from coil in a continuous process. The continuous process is technically deman-

ding, however, it is more efficient and reliable.

The very stringent tolerances as required in rack production are comparable to those in basket production. BUTTING has manufacturing capabilities for frames and spacers and in-house facilities to turn the pipes into finished racks.

## Your challenges – our solutions!

We have evolved through the habit of learning from our customers' needs and understanding our customers' business. Therefore, BUTTING is able to offer end-to-end solutions in the nuclear industry, especially when it comes to complex projects and requirements. Only few and selected sub-suppliers. No unnecessary outsourcing. BUTTING as a one-stop-shop.