



Welding Services

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All technologies out of one hand



TECHNOLOGY

Flash-butt welding offers the highest possible quality in rail welding. Mobile flash-butt welding allows welds of nearly the same quality as stationary welds to be produced directly in track.

Our portfolio includes:

- Road-rail flash-butt welding machines
- Rail-bound flash-butt welding machine
- Deutsche Bahn approval for all track categories and speeds
- Automated alignment of the joints
- Computerized process monitoring and documentation
- Semi-stationary welding line

ALUMINOTHERMIC WELDING

Our experienced welding teams use the established aluminothermic welding process in all types of track construction sites.

- Techniques: German welding standards AS-SkV-Elite; AS-SkV; AS-SkV L50/L75; AS-LSV; AS-SRZ
- Category 1 welders with Deutsche Bahn approval for all track categories

ALL-INCLUSIVE-SERVICE: CONTINUOUSLY WELDED RAIL

As a full service provider, we offer our welding services integrated directly into the construction workflow on-site.

- Neutralization of rails by hydraulic pulling or rail warming according to Deutsche Bahn directive Ril 824.5010
- Rail bracing with calibrated power wrenches or twin power wrenches with automated torque documentation
- Specialized construction site managers according to DB guideline Ril 826.1030
- Unloading and loading of rails
- Rail replacement



RECONDITIONING OF RAILS AND SWITCHES

To maintain or repair rails and switches, Vossloh Rail Services offers all common welding services. Thus the rail's life cycle can be extended significantly, and costly rail replacements can be delayed.

- Arc welding
- Build-up arc welding
- 25+ years of switch and rail repair works for Deutsche Bahn

PRODUCTION AND INSTALLATION OF INSULATED JOINTS

Vossloh Rail Services offers factory-made as well as on-site produced insulated joints:

- Production of MT-joints directly at the construction site
- Delivery of factory-made IVB 30 diagonal joints and S-joints (also integrated into long welded rails)
- Exact weld-in of delivered joints into the rail

SEMI-STATIONARY WELDING

Vossloh Rail Services offers a semi-stationary welding system which is especially well suited to larger construction sites, as well as sites with reduced accessibility. It combines the quality of shop-produced welds with the logistical advantages of mobile welding technology.

- Mobile flash-butt welding technology to produce long welded rails directly at the construction site
- Production of long welded rails up to 400 m
- Achievement of highest weld geometry precision by using stationary straightening and grinding technology
- Cost reduction by minimised transportation of long welded rails



Vossloh Rail Services offers comprehensive rail services. Our portfolio covers the complete rail life cycle, starting from the production and transportation of long welded rails, to preventative maintenance and all the way to the reconditioning of used rails. We have a team of highly specialized employees that applies unique technologies and processes in order to maintain the value and the reliability of modern railways for our customers.