

# Rail Flash Butt Welding

The tailored solution  
to your needs




Our extensive experience  
in the supply of rail welding  
plants worldwide, allows us  
the ability to provide  
equipment of the highest  
standards.

 **Fixed rail  
welding plant**

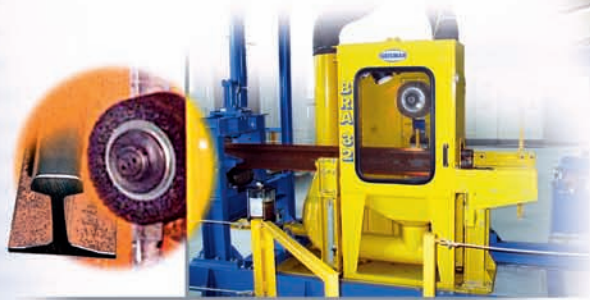


 **Transportable rail  
welding plant**



 **Mobile rail  
welding vehicle and  
rail weld grinding unit**

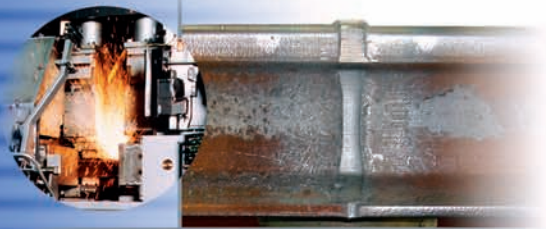




*Automatic rail end brushing machine*



*Short rails transfer table*



*Rail flash butt welding machine with integrated stripping unit*

**GEISMAR is a railway specialist since 1924 and offers tailored solutions to suit each client's requirements.**

We research, design, develop and manufacture both machines and turnkey plants for the flash butt welding of Continuous Welded Rails.



*Hydraulic 4-way mobile straightening press with integrated laser measuring system*

We can offer you a wide range of machines adapted to the types of rails used, the plant construction site, the required production rates and all other specific requirements of your project.



*Rail weld grinding machine with measuring beam*



*Rail weld testing press*



# Fixed rail welding plant



for Continuous Welded Rails



- Optimum and constant welding **quality**
- High **production** rates according to your environmental conditions
- **Ease** of use





*Rail ends brushing*



*Welding and stripping*



*Cooling*



*4-way straightening*



*Grinding and measuring*



Facing the new challenges of globalization, GEISMAR developed a new concept of rail welding plant :

## Transportable rail welding plants

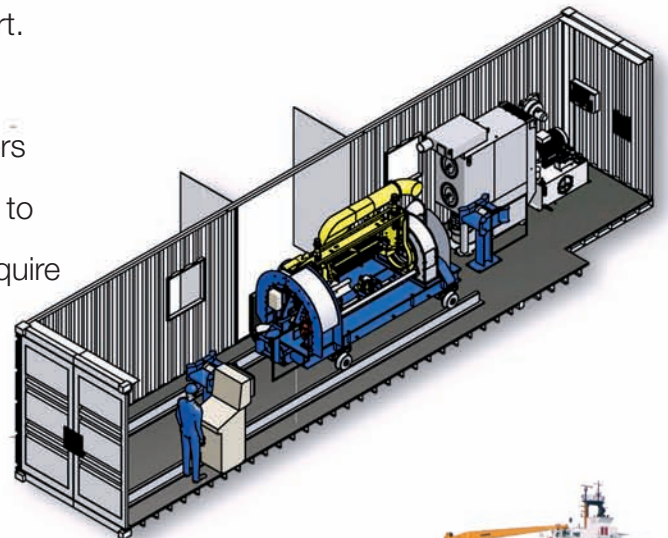
To guarantee a rail welding quality equal to a fixed rail welding plant, we developed a modular rail welding solution.


The adaptability of this portable installation allows fitting onto a working area or wagons.

Thus the rail welding plant gets closer to the track construction site.

Fixed machines are installed into ISO containers providing flexibility for a worldwide multimodal transport.

The installation of these containers on the plant site can be adapted to different layouts and does not require major civil works.





Unloading device LRS

# Transportable rail welding plant



for Continuous Welded Rails

- **Productivity** and **quality** equal to a fixed plant
- **Adaptable** to every rail welding construction site thanks to its **modular design**
- **Set up** can be close to the track construction site. The use of ISO containers allows all the machines to be transported using all **multimodal transport systems**





*In-track road-rail  
welding vehicle*

Mobile



# Rail welding vehicle



- **Easy access to the track welding site** thanks to the road-rail vehicle
- Continuous welded rail shearing and **de-stressing devices**
- **Software** for weld parameters analysis





*Semi-automated  
in-track rail  
weld grinding unit*



Mobile



# Rail weld grinding unit

- **Adaptable to different carrier vehicles :**
  - with a road-rail **loader**,
  - with a road-rail **truck**,
  - as a **self-propelled unit**
- **Automated grinding** operation with quality similar to fixed plant
- **Ergonomic and secure**



# Our rail welding solutions are the result of 35 years of experience and of our latest innovations

servicing rail networks all over the world



Illustrations may include optional equipment. Actual performance depends on temperature, elevation and other factors.  
The descriptions herein are for the purpose of identification of the equipment. Masses, dimensions, forces, etc. are approximate.  
We reserve the right to modify design and specification in the light of continuing development. E 03/2013 - N° SIREN 562 076 117 00026 - Printed in France

## Discover our plant machines :

- Rail ends brushing machines • Rail welding machines • Rail weld stripping machines
- Rail head grinding machines • Rail base grinding machines • Rail sawing and drilling machines
- Hydraulic 4-way straightening presses • Rail weld testing presses • Rail bending machines
- Rail measuring systems • Equipment for rail handling • Rail head reprofiling machines
- Machines for steel sleeper straightening • Sleeper adzing and drilling machines
- Sleeper incising machines • Sleeper bending machines

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