

Flex e.bot (cobot)

For Welding Professionals



The perfect balance between welding automation, efficiency and the human touch.



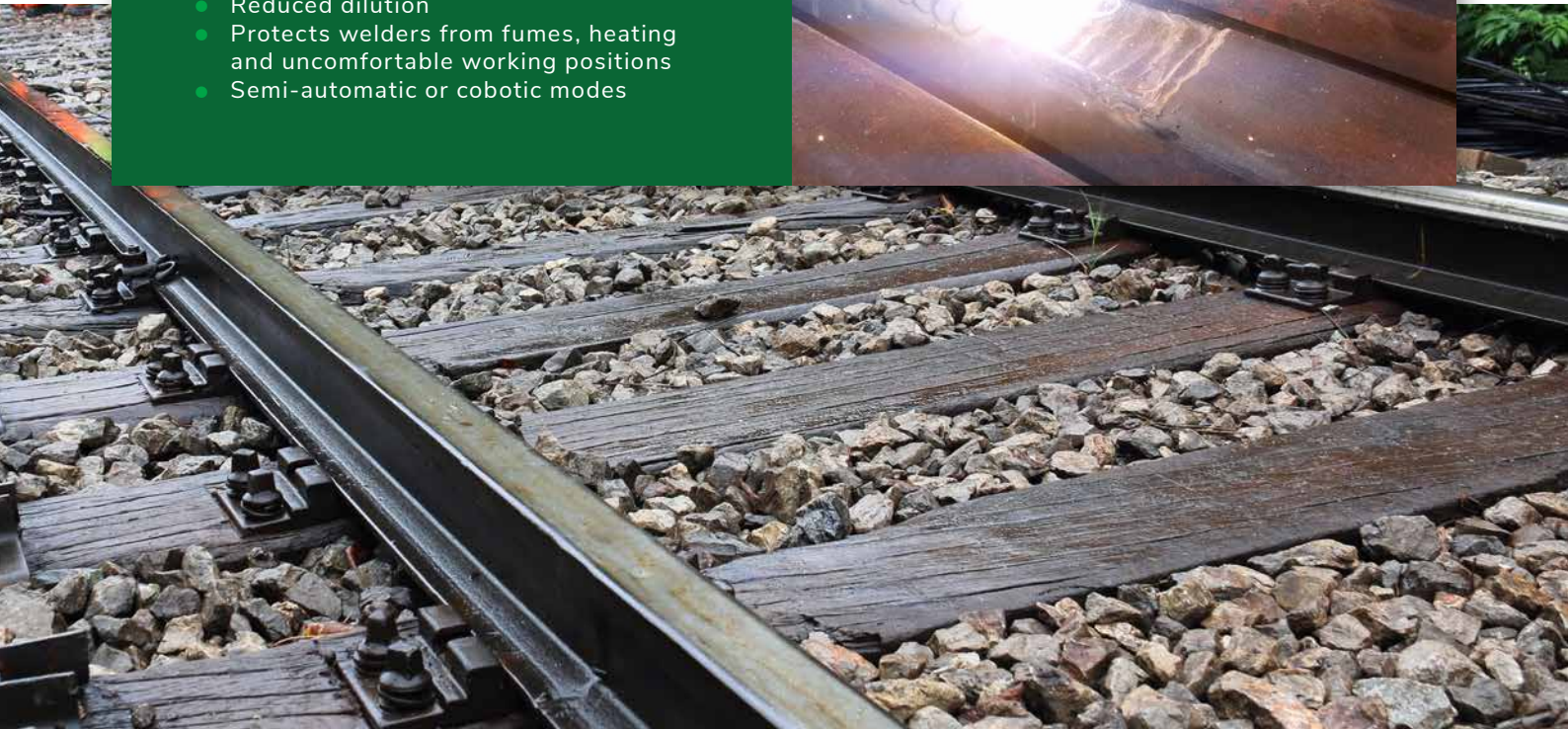
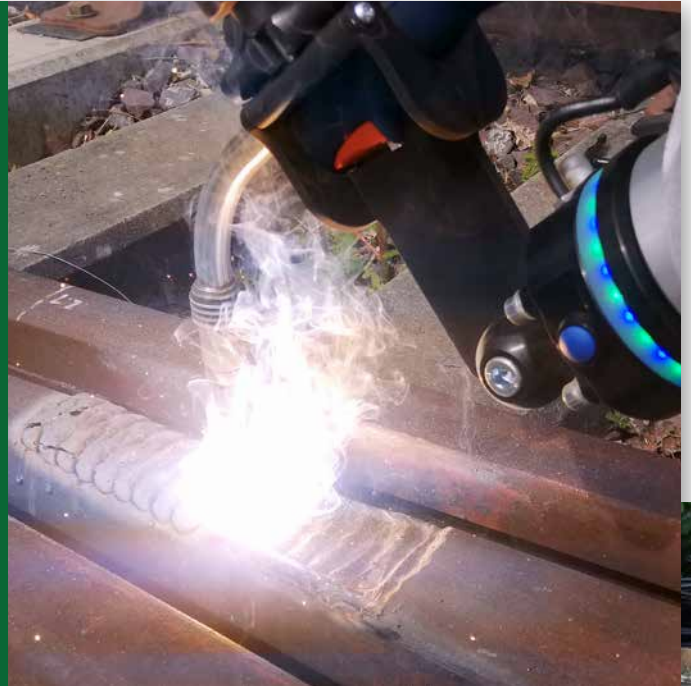
The latest innovation from Welding Alloys is the Flex e.bot, a collaborative welding robot, or cobot. This versatile robotic solution can be operated in semi-automatic or robotic modes to perform a range of weld surfacing jobs and complex weld overlays.

The Flex e.bot is easily deployed within a variety of working environments and offers the perfect balance between welding automation, efficiency and the human touch. Our cobot delivers high levels of welding flexibility, safety, and productivity across a range of applications.

The Flex e.bot is perfectly suited for the railway industry and is a great solution to increase quality, consistency and productivity when carrying out repair and maintenance on rails, frogs and wing rails.

Why choose this solution?

- Quick & easy to deploy
- Traceability, repeatability
- Combined with our flux cored wires, the Flex e.bot offers the ultimate solution to protect your railway tracks, with minimal effort
- Improved quality & reduced costs
- Simulates the dexterity of a skilled welder
- Can carry out complex weld overlays
- Reduced dilution
- Protects welders from fumes, heating and uncomfortable working positions
- Semi-automatic or cobotic modes



Key Features

- Easy-to-use 6-axis collaborative industrial robotic arm
- Easy and intuitive programming
- Flexible automation
- FCAW-S welding process (self shielded flux cored wire)
- Removable welding gun permits manual application when required
- Easy set-up of the cobot
- Warning light to alert any surrounding workers when the robot is moving by itself
- Protective cover to fully protect the cobot from potential sparks and welding spatter
- Mechanical clamp for positioning the Flex e.bot



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