



More Retrofit

Cutting

Engineering

Hardfacing

RETROFIT

Kjellberg[®]
FINSTERWALDE

FACTS

Tasks

- ✓ renewal of electrical equipment of positioner
- ✓ renewal of electrical equipment of welding column and booms
- ✓ optimisation of process monitoring
- ✓ integration of machine data logging
- ✓ renewal of traversing units of equipment carrier
- ✓ check and refurbishment of steel-work

Welding Plant

- ✓ Kjellberg welding plant for the regeneration of tumblers of heavy-duty opencast mining equipment
- ✓ work piece manipulator
- ✓ two welding column and booms with double-wire SA technology
- ✓ control unit based on Siemens
- ✓ built in 1995, partly modified in the meantime

Central Control Unit for 20 Years Old Plant

Modernisation of a Plant for the Regeneration of Tumblers

The challenge was to join the control units of the welding column and booms and the workpiece manipulator of different manufacturers. For this purpose, the plant was equipped with a control panel based on a Siemens S7.

A job file, a monitoring device for all process-relevant functions, the provision of machine data and the preparation of a data block for the direct communication with the customer's company network were added as new features.

Corrosion protection measures and the extensive renewal of mechanically stressed components completed the retrofit.



The centrepiece of the electrotechnical renewal is the central control panel for controlling the mechanical components and the welding process



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Kjellberg Finsterwalde Schweißtechnik
und Verschleißschutzsysteme GmbH
An der FIMAG 4 | D-03238 Massen

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+49 3531 500-800

retrofit@kjellberg.de