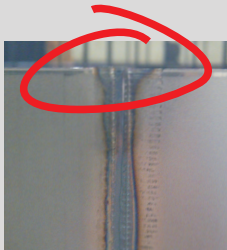


Branch of industry: metal drums

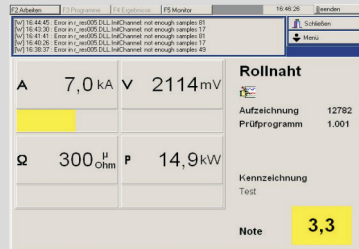
Realisation: 2014



HKS-system: WeldQAS



overlap faults at the end of the seam




working monitor during welding



roller seam welding machine for oil drums in Singapore

## Monitoring at resistance welding

### Task / problem

- monitoring of welding current, voltage and speed at roller seam welding of drums at two machines in Singapore
  - detection of positional faults which lead to drop of the inserted power
-  insufficient welding seam connection

### Application specifics / technical data

- welding with very short cycle time 5/1 seconds of 4.000–5.000 drums per day
- produktion of drums in different sizes and material thickness (0,8-1,2 mm)

### Advantages of the application

- finding and pick out of spoilt drums still before pressure test (e.g. overlap faults cause later crack of the drums)
- quicker react of material variations by immediately optimisation of welding parameters
- avoiding of defect drums by initial removal out of the production process
- installation at all machines possible