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

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 optimation of welding parameters
- avoiding of defect drums by initial removal out of the production process
- installation at all machines possible