WeldQAS
Quality Assurance System

Monitoring of GMAW welding plants

- Documentation
- Seam inspection
- Fault Detection

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WeldQAS functions

Outstanding presentation and analysis functions

- Dynamic online analysis of welding parameter for detecting e.g. of porosity, burn trough...
- Monitoring with an automatic learning function
- Representation of the production quality as a note scale with statistical analysis of trends
- Tolerance bands for warnings and faults
- „not OK“ sort out of faulty parts

Network function integrated

- Ethernet interface allows access to every device for the data query and for the change of the inputs
- Automatic data store on a central data server
- Monitoring of complex production lines

Visualisation of the production

- Demonstration of the seam on each part
- Extensive reporting functions
- Part identification
Advantages of the WeldQAS

- Accurate calculation of weld parameters incl. heat input and deposition rate
- Quantify productivity and provide suggestions on improvement (deposition rate, arc time, etc)
- Reduction of non-destructive testing (NDT)
- Compare multiple stations regarding productivity
- Less administration efforts for traceability
- Real time WPS adherence control
- Reduction of audit efforts
- Identification of power source errors

Standard device for the monitoring of one or two welding torches

current / voltage
HKS process sensor P1000

wire feed speed
HKS wire sensor DV25ST

gas flow rate
HKS gas sensor

welding travel speed
HKS speed sensor
We eye your welding quality

100 % Monitoring and documentation of the welding production

Optimisation of the process and avoidance of rejects

Procedure specific dynamic real time analysis

Applicable for all welding processes Arc-, Stud-, Resistance-, Laser-, HFI- welding

Part identification – complete traceability

Unlimited use of additional measuring channels, e.g. for temperature measurement

Special solution for pipe mills

Ready for connection to the ESAB - WeldCloud