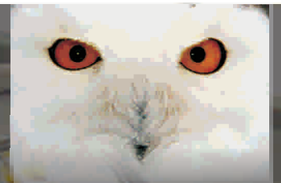
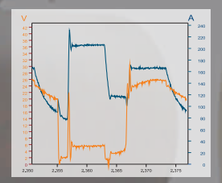
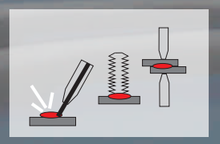
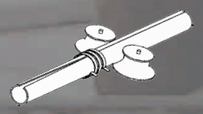


WeldQAS

100%







WeldCloud™

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

WeldQAS

Quality Assurance System

inline

Monitoring of submerged welding plants

- Documentation
- Seam inspection
- Fault Detection

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www.hks-prozesstechnik.de

HKS PROZESSTECHNIK
AN ESAB BRAND

System and functions of the WeldQAS

Cabinet version

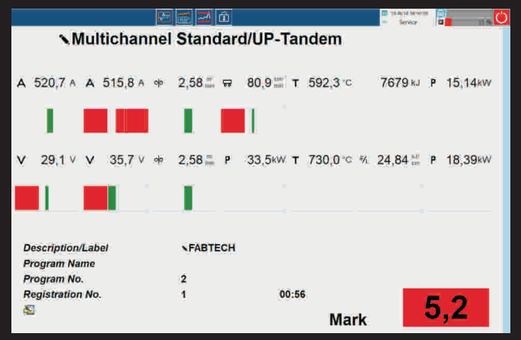
for complex sites with more than two welding torches, e.g. multiple head SAW installations

HKS wire sensor
for submerged welding:
DV25UP-S3

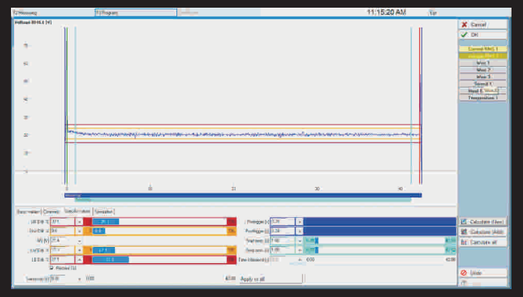
HKS process sensor
for submerged welding:
P1500-S3
with seperate current
transducer

HKS measuring box
S3-Modul

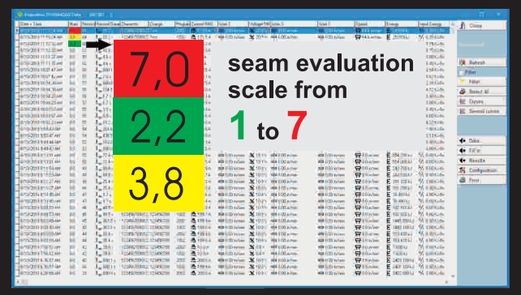
application in SAW welding



Graphical representation of the welding parameters



Database report with filter options



Exceptional visualisation- and analysis functions

- dynamic online arc analysis
- monitoring with automated intelligence that learns limit values
- representation of the production quality as a note scale with statistical analysis of trends
- tolerance bands for warnings and faults
- *"**not OK**"* - rejection faulty parts

Integrated network function

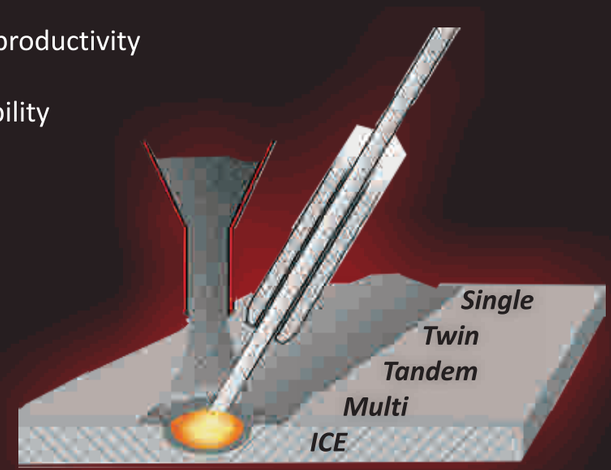
- ethernet interface allows access to every device for the data query and for the change of the inputs
- automatic data store with failure safeguarding and storage function on a central data server
- monitoring of complex production lines without number restriction

Visualisation of the production

- demonstration of the seam on each part
- extensive reporting functions
- part identification

Advantages in Submerged Arc Welding

- 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 confirm calculation of AC parameter for current and voltage



suitable for all SAW- processes