plasmoeye process
camera based melt pool monitoring

process visualization & root cause analysis with
high dynamic camera, thermal analysis possible

customer specific evaluation, ready for closed loop control

standardized fieldbus communication

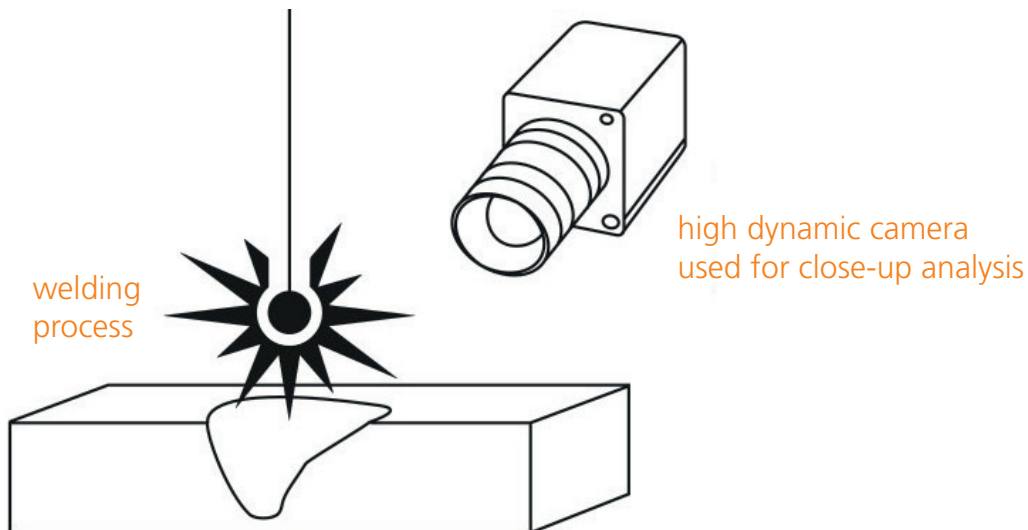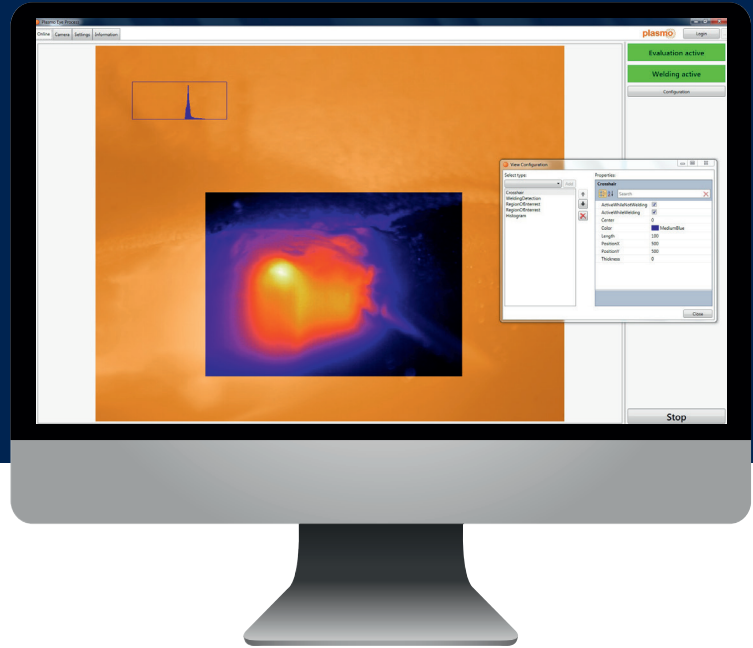statistical process control: up to 30% optimization

PRODUCE QUALITY. ALWAYS.

plasmo

plasmo data management & part visualization

plasmoeye process

- integrated in plasmo suite:
  combination of multiple sensors
  for analysis of part defects

- complete documentation
  including full traceability

high dynamic camera
used for close-up analysis

welding
process

Technical Data/Specifications

Measurement

Gray scale imaging (visible and near infrared)

High dynamic: >140dB

Opimized filters for different processes

Image sensor: 2/3", 1280 x 1024 pixel

Sampling rate 50Hz (full frame)

Communication

Ethernet: 1xGigE (PoE)

Trigger: Digital IO

Profibus, Profinet, Devicenet, EthernetIP, Interbus, TwinCAT

Framework/Environment

Camera: 40 (W) x 43 (H) x 65 (L), 135g without optics

IPC: OS Windows 7 32/64bit

Power supply: 120/230V AC

Temperature: 0° to 45°C

---

plasmo Industrietechnik GmbH
Dresdner Straße 81-85
1200 Vienna
Austria

Telephone: +43 1 236 26 07-0
Telefax: +43 1 236 26 07-99
E-Mail: sales@plasmo.eu
Web: www.plasmo.eu