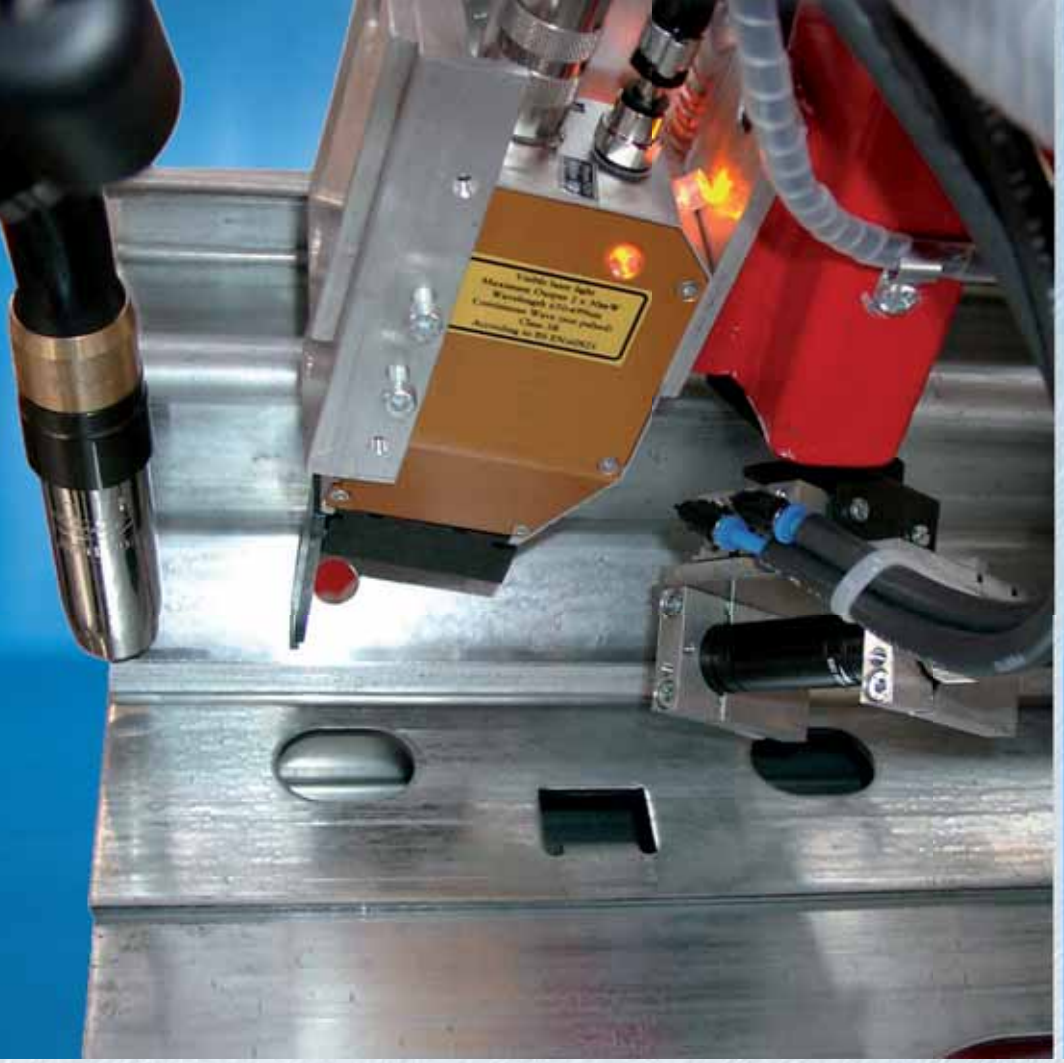




Seam searching system FSS 10

Optical laser seam tracker

Standard equipment
Basic system consists of following modular components:

- Laser sensor head with integrated camera
- Splatter-shield (copper)
- Protective window
- Laser-controller
- Remote control with cable
- Mounting plate for sensor head

Laser-Modes:
- Locating mode
- Seam-searching mode
- Tracking mode
- Adjust welding position mode

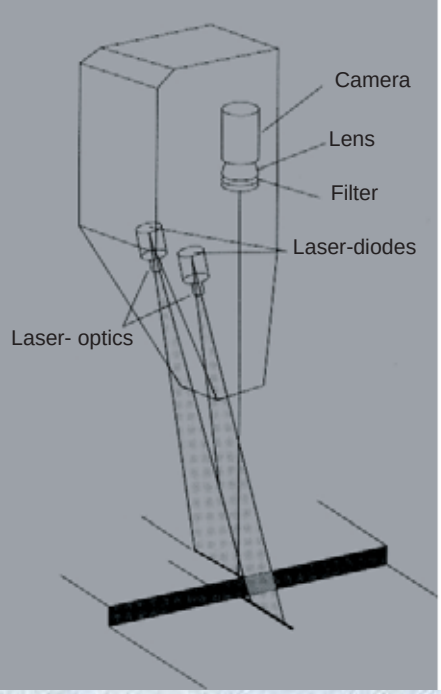
Recommended areas of use
This contact-free, high precision operation can be used with all types of weld joints and all arc welding purposes.

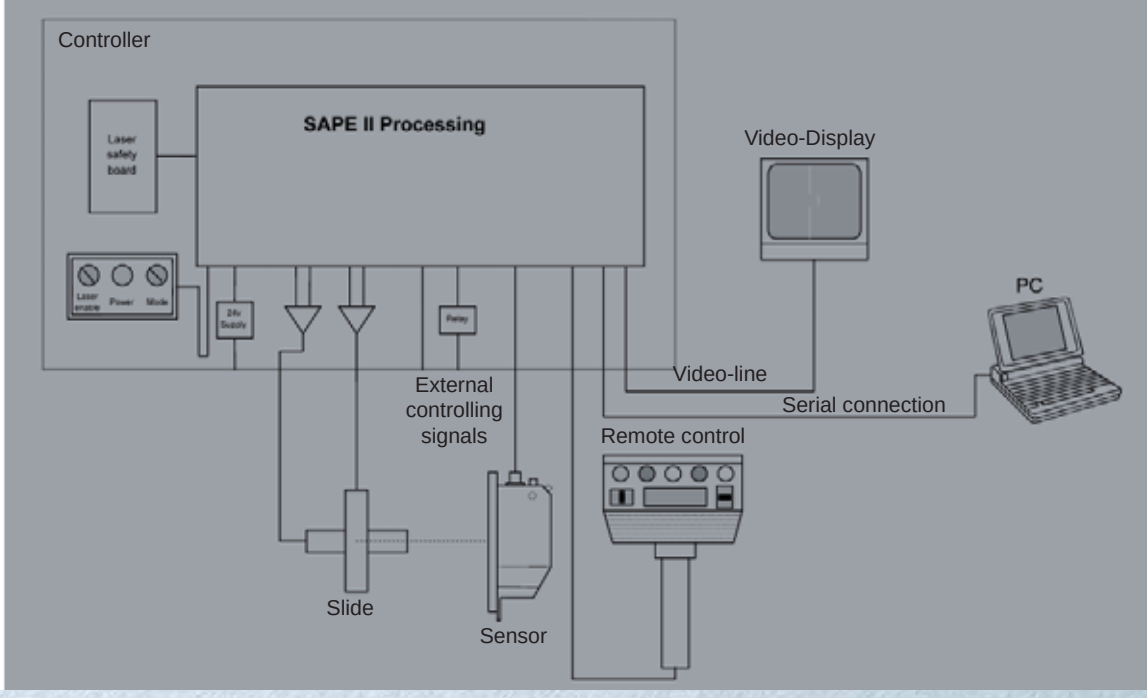
Functions on the remot control

- 2-line flourescent display
- Toggle switch left-right
- Toggle switch up-down
- Start-stop button
- Laser on-off button with warning lamp
- Seam-number pushbutton with lamp
- Error pushbutton with warning lamp

Options and accessories
Sensor heads with different field of view and stand off
I-kit adressing FCS-slide with control system
Motorized FCS slides
Video-display (VGA-screen) and cable
Software Laser Probe Tools for PC
Cables

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Technical data	Control system
Mains voltage/frequency	230 V/ 50-60 Hz
Power consumption	400 W
Dimensions	510 x 510 x 230 mm
Net weight	23 g

Technical data	Sensor head
Laser diodes	One or two (depending on sensor type
Wave length type	560-699 nm
Laser-diode temperature	Min-=+5°C; ,Max.=+50°C
Optics	One or two miniatur collimators with beam shaping optics
Laser safety	Hard- and Software interlocks
Camera type CCD	742 hor. lines x 582 vertical pixels
Dimensions l x w x h	100 x 40 x 60 mm
Net weight	0,35 kg

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PERFECT WELDING

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