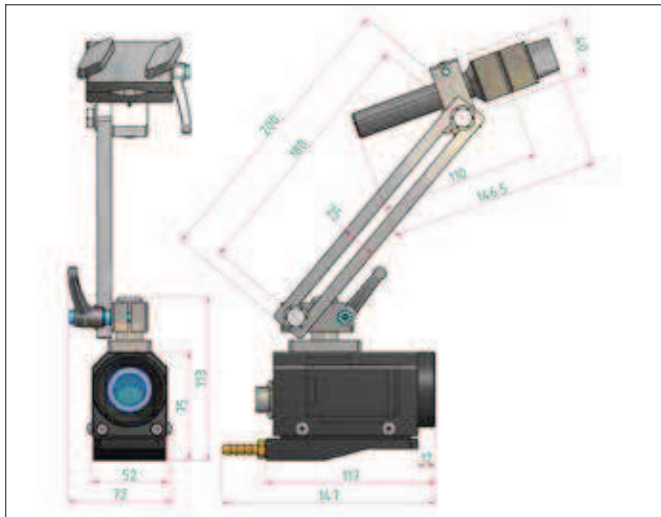


# MONITORING SYSTEMS



## TSV 09: STANDARD COMPONENTS

- Camera with auto-darkening shield for open arc processes, without for monitoring SAW
- LCD colour monitor 15"
- Controller
- Controller - camera connection cable 10 m
- Controller - monitor connection cable 1 m



**CAMERA:** The camera is very light and compact. Its casing is made of aluminium and it comes complete of connector and fixing bracket.

## THE TSV VIDEO SYSTEMS RANGE

- **TSV 03 SAW**, for SAW, without cooling
- **TSV 03 SAW-W**, for SAW, preset for cooling
- **TSV 09** for open arc processes, without cooling
- **TSV 09-W** for open arc processes, preset for cooling

**VIDEO CABLE,**  
1 m for connecting  
controller to  
monitor



**THE TSV VIDEO SYSTEMS ARE SPECIALLY DESIGNED TO WORK IN THE BLINDING LIGHT OF OPEN ARC PROCESSES AS WELL AS IN THE DARKNESS OF SAW AND THEIR USE GIVES SEVERAL ADVANTAGES:**

- Capturing the arc image through narrow accesses such as small diameter pipes.
- Relieve the operator from taking uncomfortable, unhealthy and sometimes dangerous positions.
- Allow one only operator to survey more welds at the same time.
- Increase the torch positioning precision thanks to the great enlargement of the image.



## CONTROL CABLE

connecting controller to camera, standard length 10 m, upon request up to 40 m



## TSV 03 SAW CONTROLLER

con le seguenti Featuring simpler control functions for SAW and incorporating:

- Zoom up to 40X
- Autofocus
- Manual focus



## EL LASER M4303

Laser spot to track wire position in SAW process:

- Ø 18 x 150 mm, connector included
- 5 m cable with connector
- Feeding 12-24V DC/AC, max 20mA
- Focus distance 15 to 40 cm
- Upon request: LASER SUPP swivel bracket, with two clamps Ø 18 mm