WELD SEAM MEASUREMENT SOFTWARE AND CAMERA
PART NO. ISM-MAS300

camera
(included)

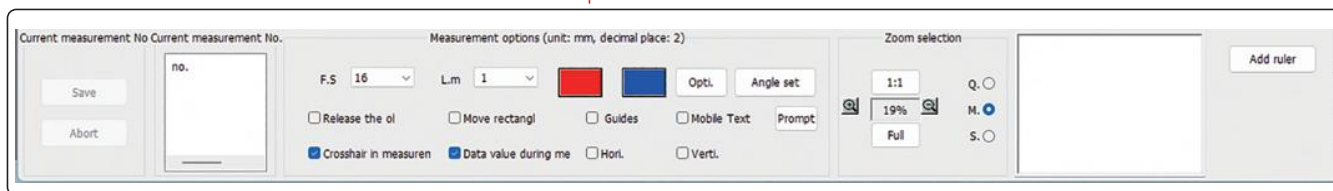microscope
(**optional**)

software
(included)

application
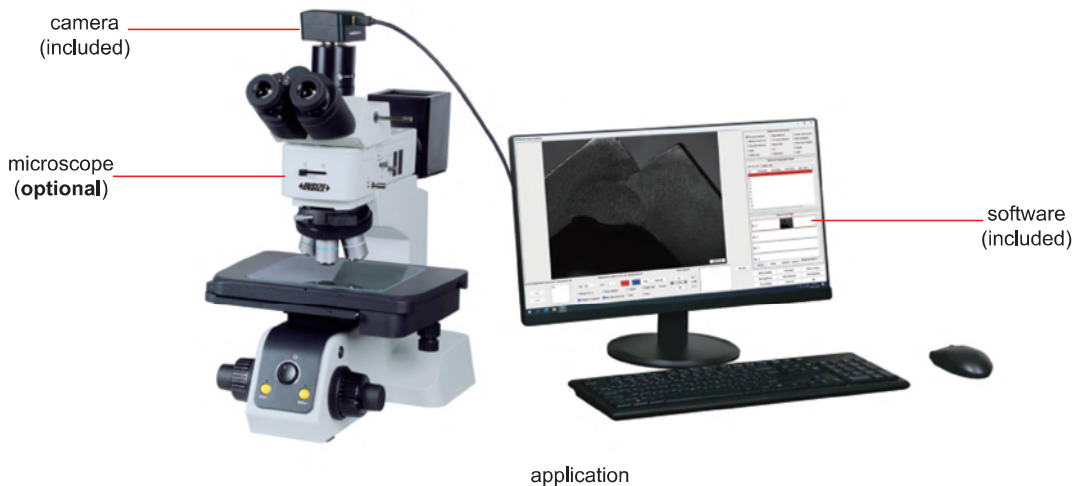
- Microscopic photographing and measurement of the weld penetration depth generated by various welding processes
- Measurement and analysis of penetration depth, penetration width, penetration height, overlap amount, cut, etc.
- Two report templates are provided and customized report templates can also be provided
- Wide range of applications, compatible with multiple microscopes and cameras

weld seam measurement software(included)

Measurement tool selection

● Two point method (	○ Drag (distance)	○ Parallel method (dist
○ Distance of point line	○ Two point method (	○ Drag (rectangle)
○ Two point method (	○ Drag (circle)	○ Three point method
○ Angle	○ Arc	○ Polygon
○ Polyline mea	○ Single-point	○ width
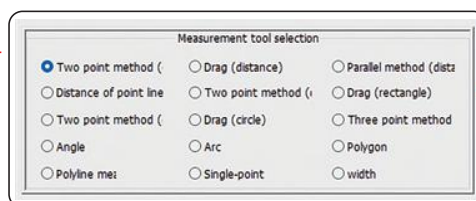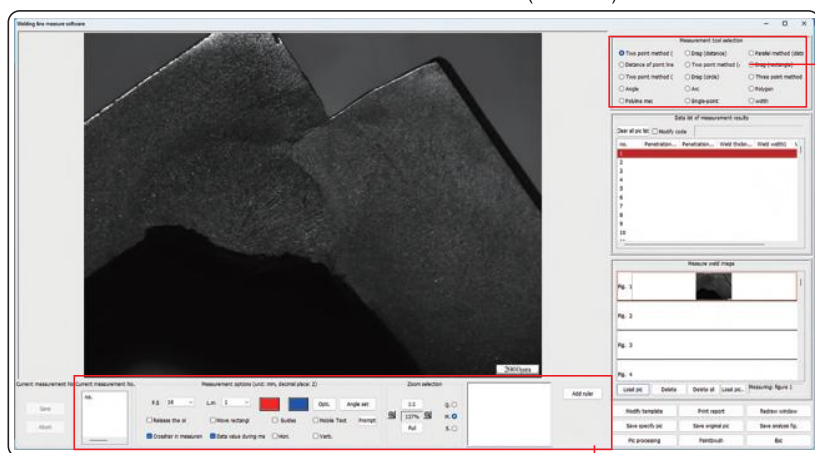
Measuring tools:
- Provides a variety of measurement tools and methods, including points, straight lines, rectangles, circles, polygons, angles, etc.
- Automatically judge the qualification after the measurement is finished
- After the measurement is completed, a report containing the measurement images can be generated

Current measurement No Current measurement No.   Measurement options (unit: mm, decimal place: 2)   Zoom selection

Save

Abort

no.

F.S 16   L.m 1   Opti.   Angle set

☐ Release the ol   ☐ Move rectangl   ☐ Guides   ☐ Mobile Text   Prompt

☑ Crosshair in measuren   ☑ Data value during me   ☐ Hori.   ☐ Verti.

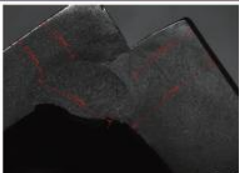1:1   Q. ○
19%   M. ●
Full   S. ○

Add ruler

Measurement options: Auxiliary lines, horizontal lines and vertical lines can be added. The measured data can be modified or deleted. Text, scales can be noted on the measurement graph, and a fixed multiple can be set, etc.

Weld Bead Section Check List

Part Number	2025022406	Part Name	Demo	Client department	
Consignation Date	2025.02.06	Consignation Person		Inspector	
Weld Section Date	2025.02.06	Report Date	2025.02.06	Report Number	

Sectin No.	Material Thickness (mm)		FusionS pec (f)	FusionS pec (f)	f1	f2	Tmin throat thickness≥0.7 (mm)		Peneration width b1.b2.≥t.1.t2 (mm)				Judge
	t1	t2					Nominal	Actual	Nominal	Actual	Nominal	Actual	
1	0.20	0.20	0.20	0.20	2.50	1.41	0.14	0.41	0.20	0.46	0.20	0.40	Pass

Conclusion		Pass		Note:	
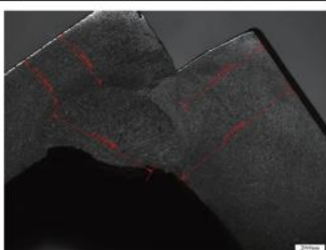
1

Weld Bead Section Check List

Part Number	20250524565	Part Name	Demo	Client department	
Consignation Date	2025.02.20	Consignation Person		Inspector	
Weld Section Date	2025.02.20	Report Date	2025.02.20	Report Number	

no.:1

Min depth(mm):

Measurement result (mm):

Penetration depthf1:2.42
Penetration depthf2:2.86
Weld thickness:4.57
Weld width1:6.54
Weld width2:5.23

Judge: Pass

Report: Provide two types of weld inspection report templates, and customized report templates can also be provided

Image processing: Provide a large number of image processing methods, which can be used to process brightness, contrast, color, grayscale levels and binarization, and can complete image processing operations like removing noise points, connecting broken lines, sharpening, softening, and edge enhancement

SPECIFICATION

Sensor	1/1.8" CMOS
Pixel	6.3M
Resolution	3072×2048
Frame rate	30fps
Exposure time	0.1ms~15s
Power supply	USB port
Weight	400g

STANDARD DELIVERY

Camera	1pc
Software	1pc
Glass calibration rule	1pc

OPTIONAL

Microscope	5110-M900, 5108, 5102-M600, 5103-M1000

microscope (**optional**)

camera (included)