

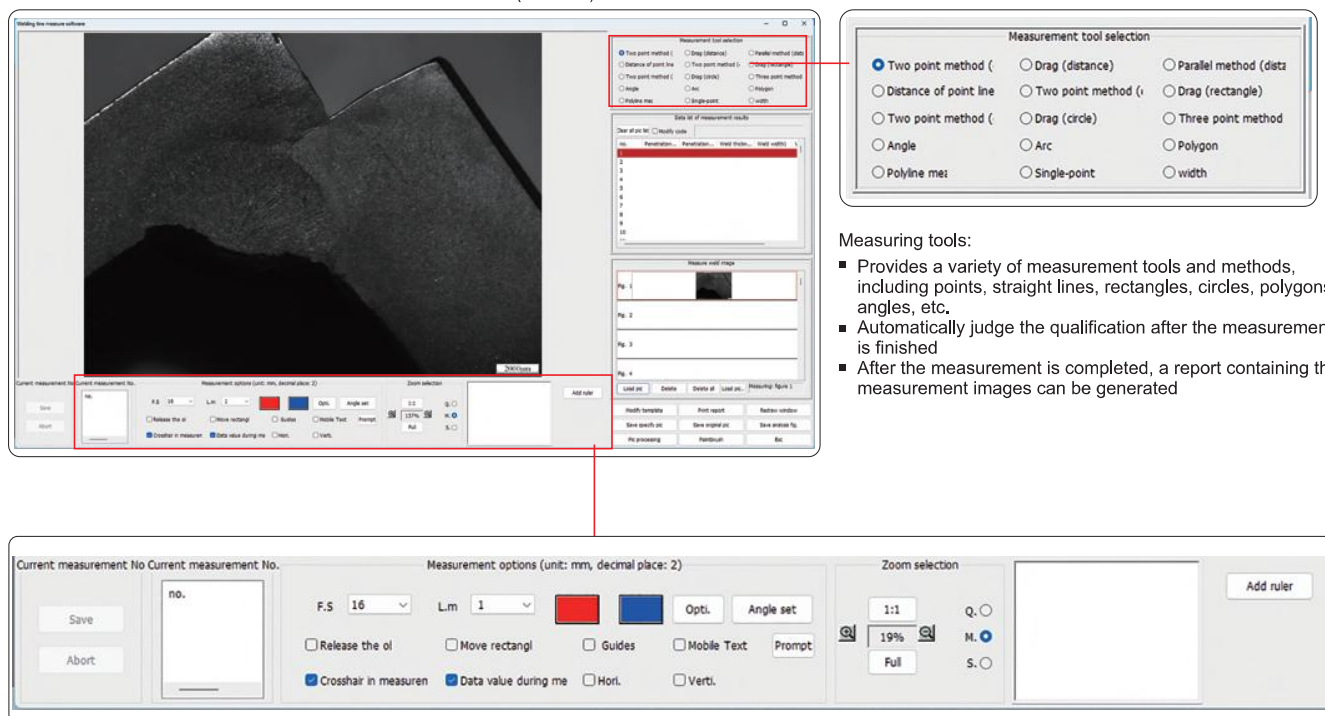


WELD SEAM MEASUREMENT SOFTWARE AND CAMERA CODE ISM-MAS300



- 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)



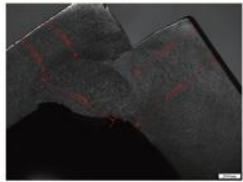
Measuring tools:

- 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

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.

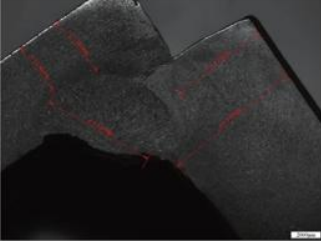
Weld Bead Section Check List

Part Number		2025022406		Part Name		Demo		Client department		Part Number			
Consignment Date		2025.02.06		Consignment 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)		Penetration width b1.b2.±t1.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	
Consignment Date	2025.02.20	Consignment Person		Inspector	
Weld Section Date	2025.02.20	Report Date	2025.02.20	Report Number	
no.:1				Min depth(mm):	
				Measurement result (mm):	
				Penetration depth1:2.42	
				Penetration depth2:2.86	
				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

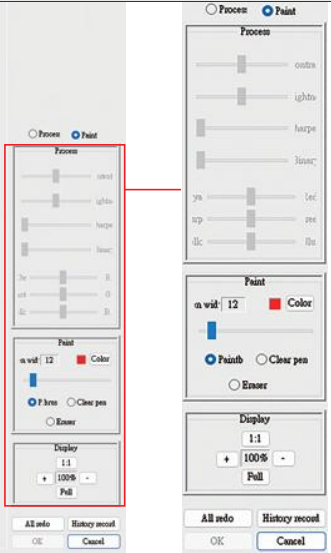


image processing: provide a large number of image processing methods, which can be used to process brightness, contrast, color, grayscale levels and binarization, and can complete image processing operations like removing noise points, connecting broken lines, sharpening, softening, and edge enhancement

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



camera (included)

STANDARD DELIVERY

Camera	1pc
Software	1pc
Glass calibration ruler	1pc

OPTIONAL

Microscope	5110-M900, 5108, 5102-M600, 5103-M1000
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microscope (optional)