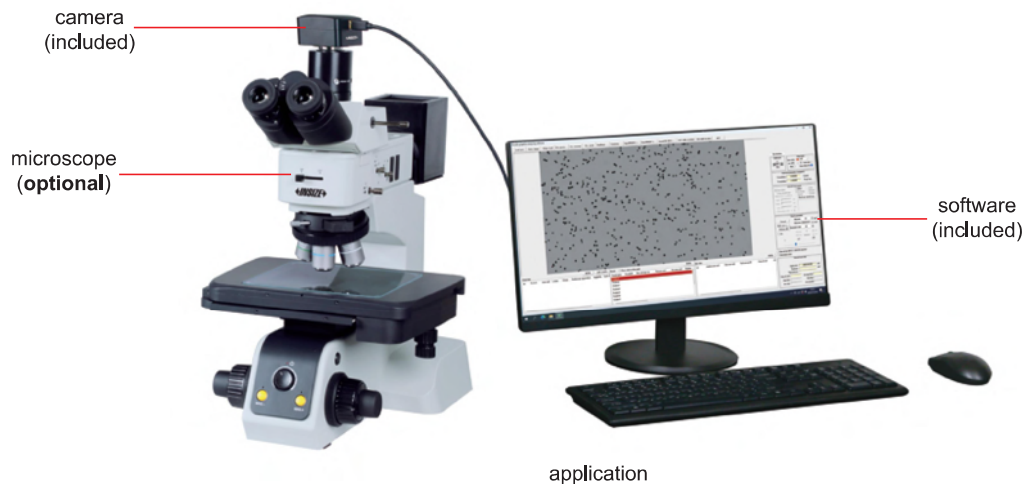
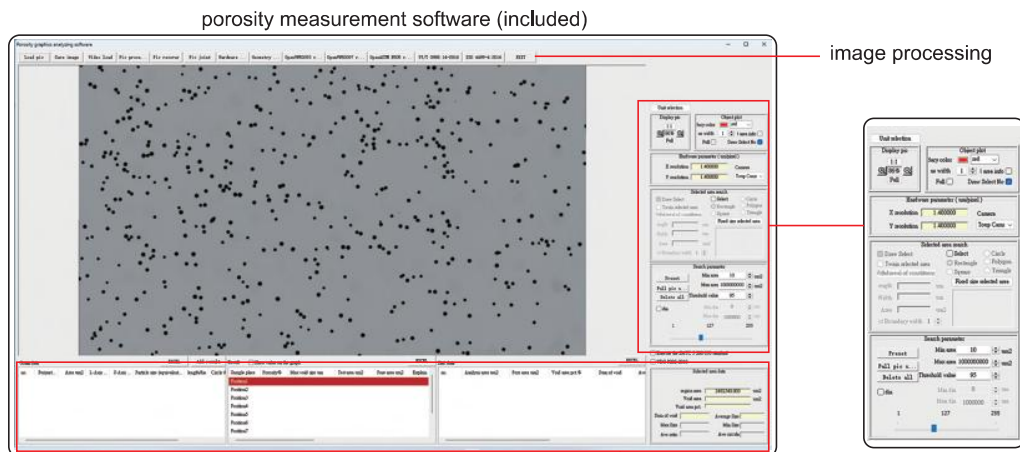


POROSITY MEASUREMENT SOFTWARE AND CAMERA PART NO. ISM-MAS200

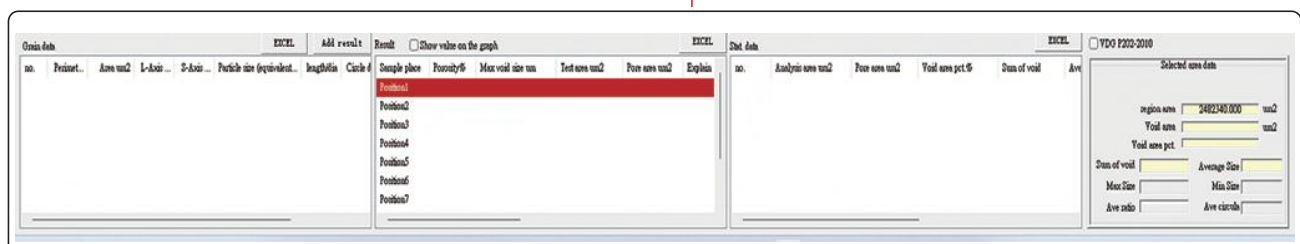


- Using advanced image processing algorithms, can accurately identify the boundaries between pores and solid parts
- One click measurement, simple and user friendly operation interface for quick operation mastery
- Clearly present porosity data and its distribution, conduct in depth analysis of measurement data
- Wide range of applications, compatible with multiple microscopes and cameras



Measuring tools:

- Select image resolution parameters
- Freely choose the measurement area
- Preset search parameters to search for various types of pores accurately



NO.	parameter	area	major axis	minor axis	circularity or particle	LD ratio	circularity	dis space
(μm)	(μm ²)							
1	2356.65	96928	504.47	375.5	951.12	1.343	0.484	154.5
2	189.32	117.82	31.3	20.96	20.11	1.918	0.419	34.32
3	88.58	292.04	25.24	16.7	19.28	1.912	0.554	43.85
4	17.66	23.52	6.4	1.4	6.47	6	0.424	15.96
5	463.1	119.59	16.39	10.78	12.54	1.522	0.567	89.91
6	4148.79	56489.8	923.97	220.89	272.85	4.183	0.087	46.2
7	46.46	162.69	17.54	11.4	14.39	1.528	0.673	46.2
8	40	135.8	15.48	11.68	14.13	1.328	0.835	46.2
9	7351.1	206640	1106.37	748.08	555.29	1.482	0.214	36.75
10	41.04	133.26	14.41	11.97	13.03	1.205	0.817	70.68
11	15.32	27.44	6.26	3.13	5.91	1.687	0.981	15.96
12	37.08	101.82	13.28	9.74	11.39	1.364	0.736	16.8
13	15.3	25.32	6.26	3.13	5.47	2	0.764	16.8
14	16.78	23.52	6.52	2.3	5.47	3.7	0.413	28.31
15	25.72	60.76	8.96	7.22	8.8	1.242	0.963	90.13
16	245.27	1536.6	79.9	40.18	44.26	1.988	0.307	11.96
17	35.44	72.52	16.96	5.48	9.91	1.762	0.498	21.65
18	113.62	470.4	42.96	22.04	24.47	1.948	0.325	28.31
19	66.58	221.49	28.14	10.17	10.79	1.707	0.356	45.15
20	120.52	458.64	45.15	19.97	24.17	2.281	0.286	34.18
21	12.38	17.64	5.95	3.11	6.94	1.625	0.981	20.64
22	84.3	237.18	35.99	18.08	17.38	2.241	0.233	28.35
23	29.2	62.72	10.33	5.91	6.94	1.991	0.702	11.96
24	21.92	37.24	8.95	3.98	6.89	2.222	0.606	32.65
25	89.52	479.24	32.03	20.01	24.47	1.811	0.577	81.47
26	90	490	34.44	23.79	24.98	1.447	0.528	32.65
27	10.38	19.6	3.98	1.97	4.47	3.33	1.273	52.27
28	36.54	217.56	19.8	12.27	16.64	1.483	0.707	44.27
29	25.4	37.24	10.93	3.05	6.89	1.588	0.387	28.35
30	64.12	241.08	25.04	13.15	17.52	1.953	0.489	28.91
31	23.9	50.96	9.59	5.63	8.08	1.697	0.736	24.49
32	8.96	13.72	3.13	1.13	4.18	1.783	0.336	33.86
33	35.78	88.2	12.91	7.59	10.6	1.7	0.674	27.61
34	11.2	17.64	3.98	3.98	4.74	1	1.432	24.49
35	23.9	50.96	9.52	5.88	8.08	1.423	0.895	88.6
36	120.66	687.89	39.45	34.88	33.62	1.128	0.726	64.78
37	73.34	382.2	29.3	20.49	22.06	1.284	0.703	32.23
38	19.3	35.28	7.14	4.67	6.77	1.529	0.981	33.28
39	31.48	74.48	12.91	6.38	9.74	2.024	0.589	25.81
40	15.44	17.64	4.43	3.11	4.74	1.428	1.148	29.53
41	16.32	29.4	6.26	4.38	6.12	1.429	0.955	85.78
42	13.52	19.6	6.05	3.49	5	1.444	0.979	21.73
43	46.98	188.58	15.65	15.03	14.65	1.042	0.876	21.73
44	65.72	211.68	21.52	9.91	10.29	1.649	0.626	19.64
45	53.4	148.98	21.19	8.79	13.77	2.411	0.423	56.07
46	24.28	89.24	13.21	8.01	10.48	1.649	0.626	19.64
47	19.12	37.24	6.26	6.26	6.89	1	1.21	38.51
48	895.44	6844.9	164.92	99.86	94.79	1.691	0.276	44.82
49	117.38	480.2	45.43	19.03	24.73	2.388	0.296	26.64
50	18.3	25.28	7.14	4.67	6.7	1.529	0.891	19.64
51	14.103	29.76	11.36	8.68	10.48	1.9	0.841	56.4

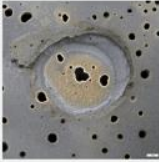
pore statistics table

Porosity Inspection Report

Part Number	2020000000000	Standard	VW50093
Objectives	20x	Calibration (mm/Pixel)	X1.400000 Y1.400000

Test Position	Porosity (%)	Max Pore size (μm)	Test Area (μm ²)	Pore Area (μm ²)	Min pitch (μm)	Evaluation of the results
Position1	4.344	118.680	2047188.640	88938.920	57.60	VW50093-N3

Conclusion	PASS
Average porosity	Average porosity: 4.344%, Max Pore size: 118.680 μm.
Report Number	2020000000000
Date	2025-01-01
Time	09:00:00
Operator	Munk
Signature	



Full Image

Position1
Measured Porosity: 4.344%
VW50093: VW50093-N3
Test Area: 2047188.640 μm



porosity inspection report

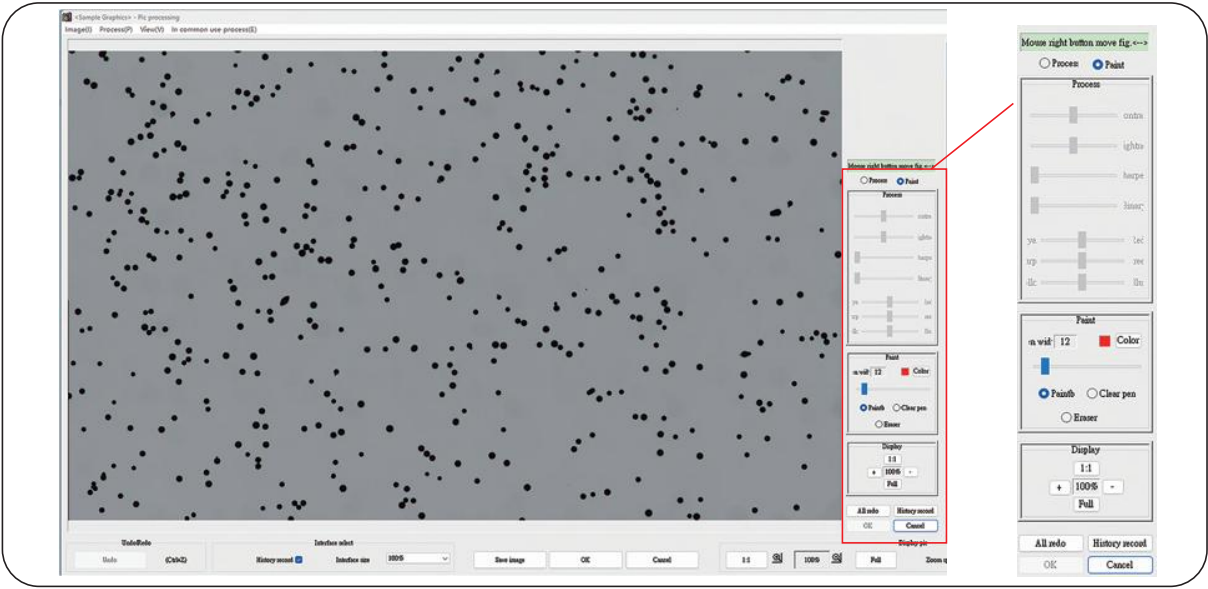


Image processing: adjustment of image contrast, brightness, sharpening, binarization, RGB values, etc..
Highlighting the contrast between pores and the base material to improve recognition accuracy.

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)