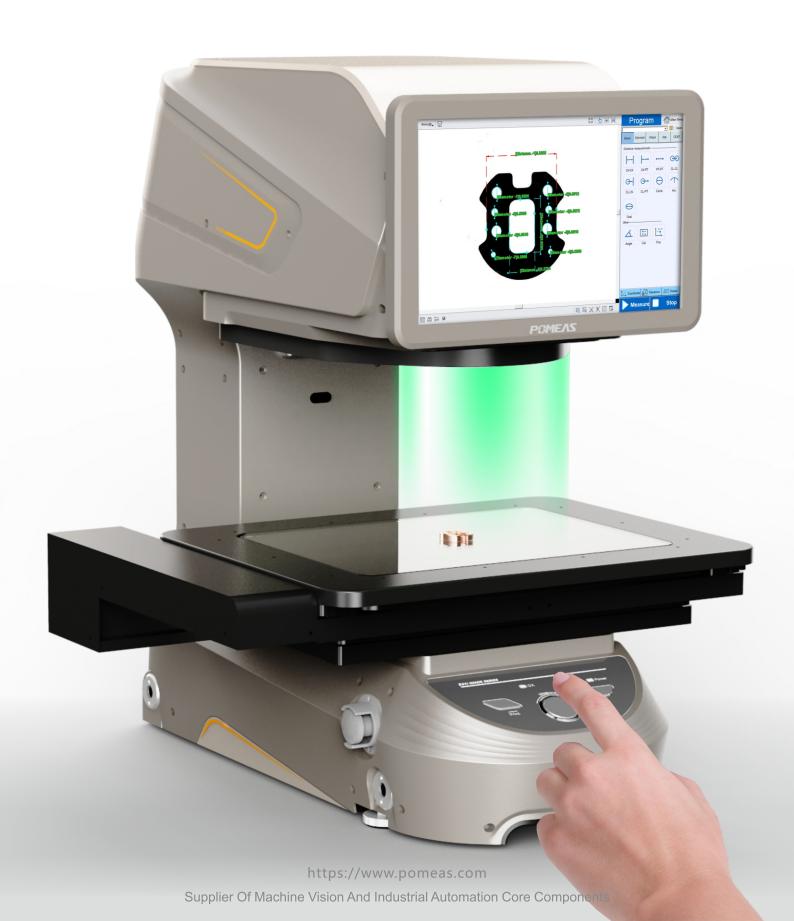


## **Image Dimension**

## Measurement System

**NEW IMAGE 3 SERIES** 





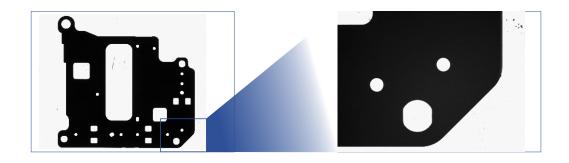
## Maximum Support 300\*200mm Field of View Range

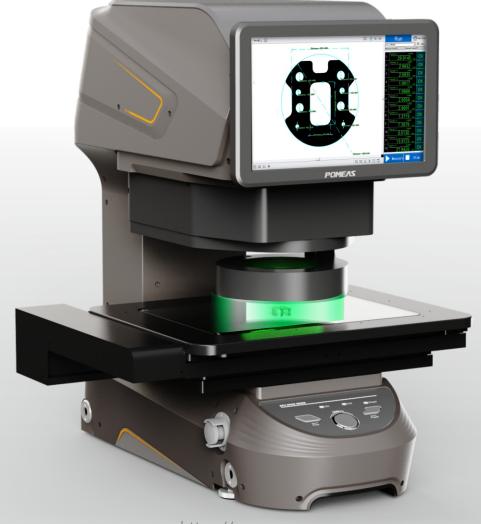
Just press one button to complete various measurements

## **Movement Measurement Platform**

## Both Large And Small Fields Of View

Rapid measurement of large field of view, high-precision measurement of small field of view, measurement accuracy up to 1um.





https://www.pomeas.com



# IMAGE 3 SERIES Products Introduced Into The Automated Production Line

#### **Solve The Common Problems Of Dimension Measurement**

#### **Fa**st

- 100 parts of measurement in 1 second, greatly reducing the measurement time.
- Reports can be automatically uploaded to the customer data management system.
- With auto focus, auto positioning and auto measurement functions, anyone can get consistent and stable m e a s u r i n g results.

#### **Accurate**

- Double telecentric lens with two 20MP cameras and automatic lifting multi-angle surface light and surface coaxial light.
- Powerful AI edge computing algorithm, easily realize precise edge finding on the surface, and filter the invalid area of boundary noise.
- Achieve high-precision measurement of surface dimensions, and the measurement repeatability
  of surface light can reach the same level as that of bottom light.

## Simple

- Simple software operation interface, easy programing and report parameter setting.
- One tap measure, an also be used with customer IO signal to realize automatic measurement.
- Desktop structure, small size, convenient handling, suitable for rapid online and offline dimension measurement.



#### **Dual 20MP Cameras**

Dual 20 million pixel cameras, both large and small fields of view , with the latest edge detection algorithm

#### Adjustable Light Source

Built-in brightness sensor, automatically adjust the light to achieve the best visual effect.

#### Double-Magnification, High-Telecentricity

Low distortion, no matter with step difference or on the edge.Image are not deformed, no need to worry about measuring position.



https://www.pomeas.com



IMAGE 3 SERIES Light & Convenient

## **Light And Convenient**

One-tap start measuring after product placement





## IMAGE 3 SERIES Light And Convenient



#### **Desktop Structure**

Small and exquisite shape, desktop structure, easy to carry, can adapt to various environments



#### One-button star measuring after product placement

Through the positioning function, automatically recognized the product position and direction. Achieve randomly place product on the platform and press one button to complete measurement. Also, can be equipped with customer IO signal to realize automatic measurement.

#### Personalization Report Output

Summary include Test reports and statistical reports , without tedious processes such as data transmission and computer input. Multiple formats available.

It can also be automatically uploaded to the customer data management system.

		Size No.	Distance -1	Distance -2	Distance -3	Distance -4	Diameter -1	Diameter -2	Diameter -3	Diameter
POMEAS®		Maximum	21.9131	2.9573	8.0470	14.0229	3.0412	3.0349	2.0231	2.0180
		Minimun	21.9112	2.9545	8.0442	14.0207	3.0384	3.0322	2.0201	2.0157
		Average	21.9124	2.9559	8.0454	14.0213	3.0399	3.0335	2.0219	2.0167
		Design Value	21.9154	2.9617	8.0425	14.0182	3.0390	3.0284	2.0199	2.0147
		Upper Tolerance	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300
		Lower Tolerance	(0.1300)	(0.1300)	(0.1300)	(0.1300)	(0.1300)	(0.1300)	(0.1300)	(0.1300
		Range	0.0019	0.0028	0.0028	0.0022	0.0028	0.0027	0.0030	0.0023
		CA	0.0234	0.0443	0.0225	0.0240	0.0066	0.0388	0.0152	0.0153
		CP	0.4871	0.4980	0.5950	0.4807	0.5018	0.4646	0.5343	0.4554
		СРК	0.4757	0.4759	0.5817	0.4692	0.4985	0.4465	0.5262	0.4485
NO.	Data	Result	Mearsured Result							
1	2021 02 14 15 16	OK	21.9131	2.9564	8 0447	14.0217	3.0403	3.0332	2.0220	2.0157
2	2021.02.14.15:16	OK	21.9122	2.9573	8.0451	14.0208	3.0384	3.0333	2.0216	2.0161
3	2021.02.14.15.16	OK	21.9124	2.9554	8.0454	14.0229	3.0405	3.0348	2.0222	2.0160
4	2021.02.14.15:16	OK	21.9130	2.9567	8.0442	14.0210	3.0396	3.0341	2.0201	2.0162
5	2021.02.14.15:16	OK	21.9127	2.9556	8.0459	14.0220	3.0404	3.0322	2.0231	2.0180
6	2021.02.14.15:16	OK	21.9131	2.9555	8.0449	14.0208	3.0400	3.0325	2.0220	2.0176
7	2021.02.14.15:16	OK	21.9121	2.9547	8.0460	14.0219	3.0406	3.0323	2.0222	2.0172
8	2021.02.14.15:16	OK	21.9123	2.9565	8.0457	14.0207	3.0386	3.0333	2.0207	2.0157
		OK	21.9115	2.9545	8.0453	14.0207	3.0412	3.0339	2.0231	2.0174
9	2021.02.14.15:16									
10 Extraction Cor	2021.02.14.15.16	OK OK Extraction Range  All Past 500	21.9112	2.9568 Extract Objects Measurement 5	8.0470	14.0207	3.0390	3.0349 3.0349 Main Menu	2.0217	
10 Extraction Cor	2021.02.14.15.16	OK  Edraction Range  All Past 500  Today Past Week  Date Designation	21.9112	2.9568 Extract Objects Measurement 5 Test_0214141	8.0470		3.0390	3.0349		
10 Extraction Cor Batch Numbe Name Serial Cou	2021.02.14.15.16	OK  Edraction Range   All Past 500  Today Past Week  Date Designation  Start 2021/02/14	21.9112 2 Amount Past Month	2.9568 Extract Objects Measurement 5 Test_0214141	8.0470 lettings File Name 727.TZX		3.0390	3.0349		
10 Extraction Cor Batch Numbe Name Serial Cou	2021.02.14.15.16	OK  Edraction Range   All Past 500  Today Past Week  Date Designation  Start 2021/02/14	21.9112	2.9568 Extract Objects Measurement 5 Test_0214141	8.0470 lettings File Name 727.TZX		3.0390	3.0349		
10 Extraction Cor Satch Numbe Name Serial Cou	2021.02.14.15.16	OK  Edraction Range   All Past 500  Today Past Week  Date Designation  Start 2021/02/14	21.9112 2 Amount Past Month	2.9568 Extract Objects Measurement 5 Test_0214141	8.0470 lettings File Name 727.TZX		3.0390	3.0349		
10 Extraction Cor Safeh Numbe Name Serial Cou 0 3 easurement it Project N	2021.02.14.15.16  diseas  From 0 0 0  ems  ShowN-lide	OK  Edraction Range  All O Past 500  Today Past Week  Date Designation Start 2021/02/14  Statistics Data Review	21.9112 © Amount © Past Month © 0.0000 © © 23.59.59 ©	2.9568 Estract Objects Measurement 5 Test_0214141	8.0470 8.0470 settings File Name 727.TZX earching Files.	14 0207	3.0390 Back To	3.0349	2.0217	2.016
10  Detraction Cor Salch Number Same Serial Cou Serial Cou	2021.02.14.15.16	OK  Edraction Range    All ○ Past   500  Today ○ Past Week  Date Designation  Start   2021/02/14	21.9112 2 Amount Past Month	2.9568 Estract Objects Measurement 5 Test_0214141	8.0470 lettings File Name 727.TZX	14 0207	3.0390 Back To	3.0349	2.0217	2.016
10  Obtaction Cor  Salch Number  Serial Cou  Serial Cou  Project N  Istance -1  Istance -2	2021 02 14 15 16 ddiens  from 9 3 ems ems Emwi4de	OK  Edraction Range  All O Past 500  Today Past Week  Date Designation Start 2021/02/14  Statistics Data Review	21.9112 © Amount © Past Month © 0.0000 © © 23.59.59 ©	2.9568  Extract Objects the assurement 5 Test_0214141 5	8.0470 8.0470 settings File Name 727.TZX earching Files.	14 0207	3.0390 Back To	3.0349	2.0217	2.016
10  Detraction Core Salch Number Salch Number Salch Number Salch Number Salch Number Project Number stance -1 stance -2 stance -3 stance -4	2021 02 14 15 16  obtains  refer  From 9 2  ams  Showl-ide	OK  Edraction Range  All Past 500 Today Past Week Date Designation Start 2021/02/14 End 2021/02/14 Statistics Data Review Measure Time	21.9112	2.9568  Extract Objects Malasurement Test_0214141  Extract_0214141  S  Distance-1 Distance-1 21.9131 2.5	8.0470 settings File Name 727.TZX earthing Files.	14.0207	3.0390  Back To  Diameter -1 D	3.0349 Nain Menu	2.0217	2.0166
Serial Cou Serial Cou	2021 02 14 15 16  0950ns  From 0 2  Brown4de  C	OK  Edization Range  All Past 500  Today - Past Week  Date Designation  Start 2021/02/14  End 2021/02/14  Startsibos Data Reniew  Measure Time  4 2021/02/14 15:16	21.9112  C Amount C Past Month C 0 00:00 C C 23:59:59 C	2.9568  Extract Objects to assurement 5 Test_0214141  Distance-1 Distance-2 21.9131 2.5 21.9122 2.5	8.0470  tettings File Name 727.72X  earching Files.	14 0207  Distance -4   14 0217	3.0390 Back To Diameter -1 Dia 3.0403 3.0304 3.0304 3.0304	3.0349  Man Menu  Diameter -2  Diameter -2  2.0220	2.0217  3 Diameter-4 C 2.0157	2.0169
Serial Cou	2021 02 14 15 16  0050s  From 9 2 3  ame Showlede	OK  Editaction Range  All Past 500  Today Past 500  Today Past Weak  Date Designation  Start 2021/02/14  Guest Council	21.9112  C Amount Past Month  C 0.0000 C 23:5959 C	2 9568  Estract Objects Male sourcement 5 Test_0214141  5  Distance-1 Distance-1 21 9131 2 5 21 9122 2 5 21 9124 2 5	8.0470  settings File Name FZT.TZX  earching Files.  Chitance -2  Chitance -2  Chitance -2  Chitance -3  South -3  S	3 Distance 4 1 14 0217 14 0228	3.0390  Back To  Diameter -1 Dia  3.0403 3 3.0384 3 3.0405 3	3.0349  Man Menu  Diameter -2 Diameter -2 2020 0333 2 0230	2 0217 3 Diameter 4 0 2 0157 2 0161	2.0166 Nameter-5
Destruction Cor  Statich Number  Name  Senial Cou  Seasurement R  Project N  Interce -1  Interce -3  Interce -3  Interce -4  Interce -3  Interce -4  I	2021 02 14 15 16  ossens  From 8 2  ame Showl-de	OK  Education Range	21.9112  C Amount  Past Month  C 0.0000 C  23.5959 C  Result roduct 8  OK 1  OK 2  OK 3	2 9568  Estract Objects Measurement 5 Test_8214141   Distance-1 Distance-2 219131 25 219122 25 219124 25 219124 25 219124 25	8.0470  settings File Name 127.12X  searching Files  sear	3 Distance 4 1 14 0217 1 4 0219 1 4 0229	8ack To  Diameter -1 Diameter	3.0349  Man Nenu  Diameter -2  Diameter -2  0312  2.0229  0313  2.0215  0348  2.0222	2 0217 3 Diameter 4 0 2 0157 2 0150 2 0160	2.0166 Nameler - 5   1 3.027 3.0270 3.0271
Distriction Core Satch Number Name Serial Cou  Project N istance -1 istance -3 istance -4 ismeter -2 istance -2 istance -3 istance -3 istance -4 ismeter -4	2021 02 14 15 16  0350s  From 9 2 3  Ams  Showledge  E	OK Eduction Range  All Pale [500 Today O Palet Mines  Date Designation Start   2001 100/116 End   2001 100/116 End   2001 100/116  Measure Time  4 2001 00.21 14 15 16	21.9112  C Amount Past Month C 0.00:00 C 23:59:59 C	2 9568  Estract Objects Wassurument 1 Test_0214141  S  Distance-1 Distance-1 21 9131 2 5 21 9122 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 21 9124 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 2 91927 2 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8.0470  settings File Name 727.72X  earthing Files.  Distance - 1554 8.0457 1553 8.0451 1554 8.0454 1557 8.0454	3 Distance 4 1 14.0217 14.0208 14.0210	Back To  Back To  Diameter -1 Dia  3.0403 3 3.0405 3 3.0405 3 3.0404 3 3.0404 3	3.0349  Main Menu  Main Menu  0312 2 0229 0333 2 0216 0348 2 0222 0340 2 0324	3 Diameter 4 C 2.0157 2.0161 2.0162	2.0166
Distriction Core Seatch Number Name Sental Cou Seasurement R Project N stance -1 stance -2 stance -4 stanc	2021 02 14 15 16 109 tink  From 0 2 3  ans  E Browl-ide	OK  Eduction Range  All Past 500  Totaly Past West  Otal Designation Otal 2021400748  Statistics Data Review  Measure Time  4 2021 027 4 55 16  4 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16  5 2021 027 4 55 16	21.9112  2. Amount  0. Past Month  1. 00000 0. 0. 0235959 0.  0. 235959 0.  0. 1. 0. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	2,9568  Estract Objects Maasurement 1 Test_0214141  0  Distance-1 Distance-1 Distance-219131 29 122 21 9130 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9120 21 9121 21 9121	8.0470  settings File Name 727.12X  earching Files 6.0447  554  8.0447  8.0454  8.0454  8.0454  8.0454  8.0452  8.0454	3 Distance 4 1 14.0217 14.0229 14.0229 14.0229 14.0229	Back To  Back To  Diameter -1	3.0349  Main Menu  Diameter - 2  Diameter - 2  0312  2.0229  0333  2.0225  0348  2.0222  0341  0022  0022	2 0217  3 Diameter 4 2 20161 2 20161 2 20160 2 20160	2.0166 Nameter-5
Distriction Core Suitch Number Suitch Number Suitch Number Suitch Number Suitch Cou Suit	2021 02 14 15 16  100 ans  100	OK  Effection Face  Am   Pear   500  Today   Past Week  Date Coognation  End 2021/00714  End 2021/00714  Statistics   Data Review  Measure Time  4 2021/00714   5156  4 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156  5 2021/00714   5156	21.9112  2 Amount  O Past Month  C 00000 C  21.59 59 C  Assout roducts  OK 1  OK 2  OK 3  OK 4  OK 5  OK 5	2 9568  Estract Objects Wassurement 1 Test_021454  Distance-1 Dist	8 0470  settings File Name PZZTZX  searching Files  setting Files	3 Distance 4 1 14 0217 14 0208 14 0210 14 0210 14 0210 14 0210 14 0210 14 0208	Back To  Back To  Diameter -1	3.0349  Main Menu  Diameter -2  Diameter -2  0332  2.0226  0333  2.0216  0340  2.0221  0322  2.0231  0325  2.0231	2 0217 3 Diameter -4 C 2 0157 2 0160 2 0162 2 0162 2 0162 2 0162	2.0166
Distriction Core Seatch Number Name Sental Cou Seasurement R Project N stance -1 stance -2 stance -4 stanc	2021 02 14 15 16 109 tink  From 0 2 3  ans  E Browl-ide	OK  Eduction Range  All Past 500  These Past West  Date Designation  Clear 2021 60016  Stude Sold Today  Massure Time  Massure Time  4 2021 6021 4 55 16  4 2021 6021 4 55 16  4 2021 6021 4 55 16  4 2021 6021 4 55 16  5 2021 6021 4 55 16	21.9112  3 Amount C Past Monh C 00000 C C 23.59.59 C C 23.59.59 C C C C C C C C C C C C C C C C C C C	2,9568  Edirad Objects Majaurement 1 Test_024494   Collines - 1  Colline	8 0470  selecting Files Name Press TXX v  earthing Files  8 0477  8 0477  8 0477  8 0477  8 0475  8 0456  8 0459  8 0456  8 0459  8 0456  8 0459  8 0456  8 0459  8 0456  8 0459  8 0456  8 0459  8 0456  8 0459  8 0456  8 0459  8 0456  8 0459  8 0456  8 04	3 Distance 4 1 14.0207 14.0209 14.0200 14.0000 14.0000 14.0000 14.0000 14.0000 14.0000 14.0000 14.0000	3.0390 Back To Diameter -1 Diam 3.0403 3 3.0403 3 3.0405 3 3.0406 3 3.0406 3 3.0406 3 3.0406 3	3 0349  Man Menu  Diamster 2 Diamster  2 0229 0332 2 0226 0348 2 0222 0341 0322 2 0231 0325 2 0220 0325 2 0230 0325 2 0230	3 Diameter - C 2017 20161 20160 20160 20160 20160 20170 20170 20170	2.0166



## High-precision Lens Module

#### **Powerful Hardware Combination**

High-Precision Dimention Measurement of Surface Light

Double telecentric lens with two 20 million pixel cameras and automatic lifting multi-angle surface light and customized surface coaxial light, with independent powerful AI edge computing algorithm, it can easily realize precise edge finding, and filter the invalid area of boundary noise, Achieve high-precision measurement of surface dimensions, and the measurement repeatability of surface light can reach the same level as bottom light.

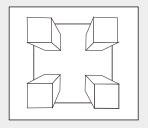


https://www.pomeas.com

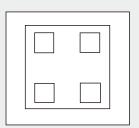


#### **Double-Magnification Double-sided Telecentric Lens**

Dual-telecentric lens has a high telecentricity, even segment gap is exist. Low distortion, even at the edge of the lens, the image will not be deformed. No worry about product location on the platform.



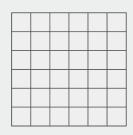




Pomeas Lens



Ordinary Lens



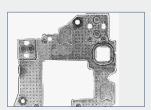
Pomeas Lens

#### The 20 Million Pixel High-precision CCD Camera Has Been Significantly Improved The Detection Performance

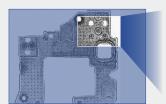
Using a 1-inch 20-megapixel black-and-white camera, number of pixels increased twice of the traditional model. Tiny edges can also be observed. High-precision camera and wide-field camera switching, to achieve highprecision and wide measurement. Shorten the measurement time while improving accuracy.



High-precision CDD



Images Taken With A Wide-field Camera



Switch to a high-precision camera for where accuracy is required

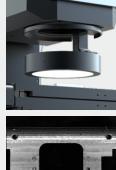


Image magnified with high-precision camera

#### Adjustable Light Source Get Image With Accurate Edges According To The Best Lighting Conditions

Multiple lighting units are assembled into one (liiftable mutiple-angle surface light). Light automatic adjustment function within software, which automatically adjusts to the best lighting conditions for different ambient light sources through the built-in brightness sensor.











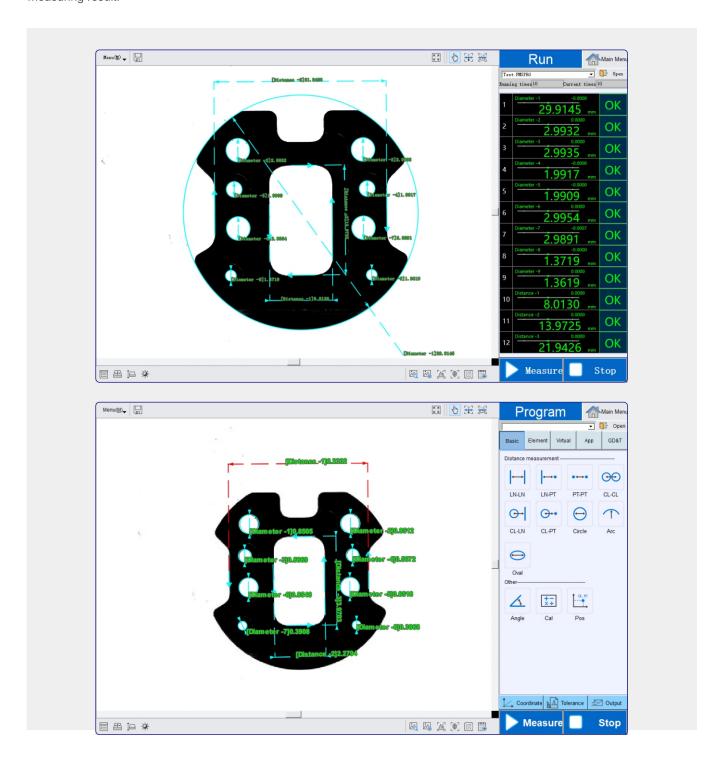


## Efficient And Simple

### **Efficient And Simple**

Fast Measurement And Simple Sorftware Operation

Fast system measurement speed,100 parts dimension measured in 1 second. Simple user interface design and easy to understand. Easy measurement programing and report parameter setting. Any operator can obtain consistent and stable measuring result.



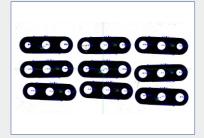


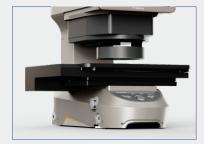
#### Efficient And Simple

#### Automatic Identification, Simultaneous Measurement, Integrated Imaging Greatly Shortens The Measurement Time

Automatically identify the position and direction of the product, completed measurement with only one button after placement. Product can be placed at will, multiple products to be measured at the same time. The large field of view of 300\*200mm provides one-time overall imaging, even if the measurement position is increased, it will not decreased measurement time. Greatly reduce measurement time and improve measurement efficiency.

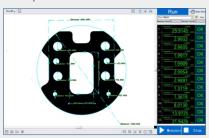


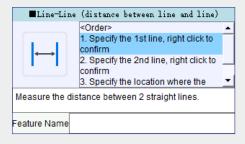


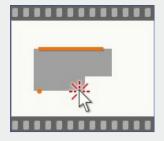


#### Simple Software Operation Interface, Easy To Use, No Training Required

The software function is simple and easy to understand, main function within process steps guide and explaination. Operator can easily complete the product measurement program setting according to the description of each function.

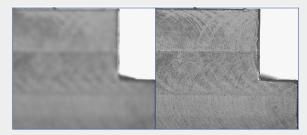




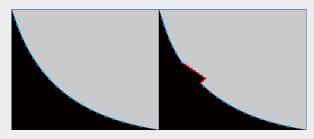


#### Anyone Can Obtain Consistent And Stable Measuring Results

Through built-in brightness sensor automatically adjusts the light according to the ambient brightness, eliminating artificial dimming errors. The autofocus function and edge invalid points, automatic filtering functions eliminate errors caused by different artificial focus and invalid parts of the product edge. Anyone can obtain consistent and stable measuring results.



Automatically Adjust The Focus And Measurement



**Automatically Exclude Invalid Edges** 



## Work Platform

## Work Platform | Maximum measuring area 300mm\*200mm

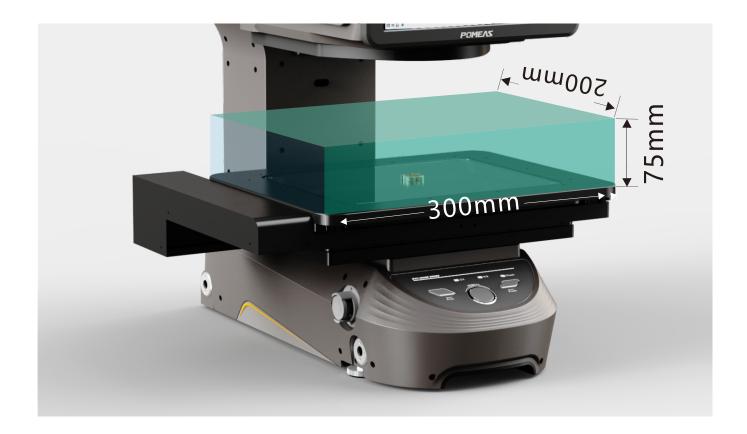




## Work Platform

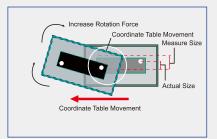
## Fast Measurement With A Measuring Field 300mm\*200mm Is Twice The Speed Of The Traditional Model

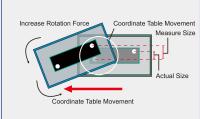
The movement platform support measuring objects with a maximum size of 300 mm × 200 mm and a height of 75 mm. It adopts a new design that reduces the resistance of the motor and the feed screw, and the moving distance becomes smaller and more stable, which eliminates the need to fixed the measurement objects.

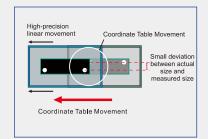


#### High-precision Actuate System Support

By adjusting the movement of the cross roller guide in micrometers, excellent linearity is achieved and errors caused by the movement of the movement platform are eliminated.









## Light Source Introduction

## **Light Source** | Variable Lighting Unit

Accurately extracts edges according to the best lighting conditions.



https://www.pomeas.com



#### **Light Source Introduction**

#### Multiple Lighting Units Are Assembled Into One

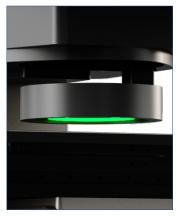
The light source integrates different lighting, according to the different products to be tested, the brightness of the light is automatically adjusted, and the lighting conditions of the best color are switched, without the need to change other light sources to adapt to different products.



White Ring Light



White Ring Light

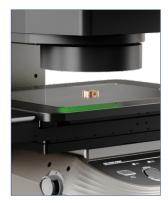


Green Ring Light

#### Automatically Adjusts To The Best Lighting Conditions

Combine multiple adjustable lighting units, and adjust the height, brightness and angle of the system's light source to achieve the best visual effect through the built-in brightness sensor for different ambient lighting, and to accurately achieve the edge of the physical object.



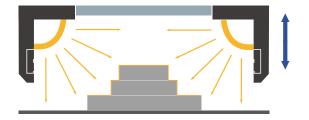






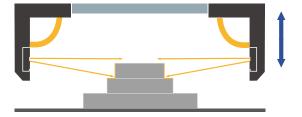
#### Principle Of Variable Lighting Unit

Multi-angle light source cross-sectional area



Illuminate in a wide range. When placed in a higher position, the overall illumination is uniform. As the position decreases, contrasts between light and dark will appear due to the height difference.

Slit ring illumination cross-sectional area



The thin ribbon light is irradiated from the horizontal direction, and the lighting unit is placed at a certain height of the edge to be detected, and a sharp contrast can be formed at the target position.



#### Success Cases

#### Screws, Bolts

#### **Machined Parts**

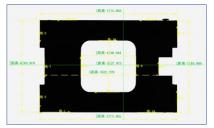
#### Tool













## **IMAGE 3 SERIES**

## Applications

Suitable For Various Inspection Processes

Initial Sample Inspection

In-Process Sampling Inspection

Inspection Before Shipment

Warehousing Inspection

Automatic Size
Measurement On
Production Line

Automatic Size
Measurement Next To
The Production Line

High-precision Measurement In The Laboratory



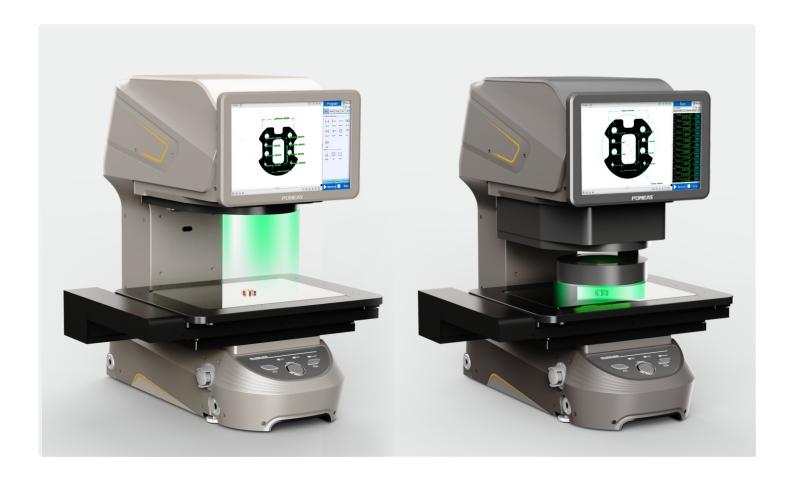
At present, IMAGE 3 series has three models: standard type and movement platform type.

The measuring range of IMAGE3:

φ100;

200mmX200mmX75mm;

300mmX200mmX75mm.



## **IMAGE 3**

- Measuring Range (mm): Φ100mm
- Ring Lighting (Variable Lighting)
- Auto Focus
- POMEAS Double-magnification Double Telecentric Lens

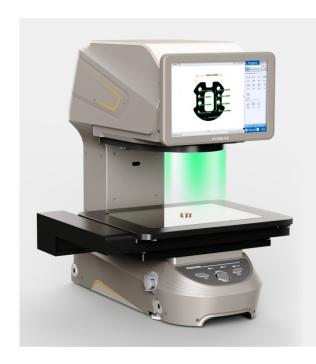
#### **IMAGE 3 Plus**

- ◆ Measuring Range (mm): 200X200X75
- Ring Lighting (Variable Lighting)
- Auto Focus
- POMEAS Double-magnification Double Telecentric Lens

#### **IMAGE 3 Pro**

- Measuring Range (mm): 300X200X75
- Ring Lighting (Variable Lighting)
- Auto Focus
- POMEAS Double-magnification Double Telecentric Lens





# **Image Dimension Measurement System**

**IMAGE 3 SERIES** 

	Device Model		IMAGE 3	IMAGE 3 Plus	IMAGE 3 Pro		
	Х		Ф100	200mm	300mm		
Measuring Range	Υ			200mm	200mm		
	Z		75mm	75mm	75mm		
Lara Field Of Vierr	High Precision Meas	surement Mode	26mm×18mm				
Lens Field Of View	Wide FOV Measur	rement Mode	Ф100				
Repeatitive Accuracy	High Precision Meas	surement Mode	± 1.5 μ m				
Repeatitive Accuracy	Wide Fov Measur	ement Mode	± 3 µ m				
Min. Display Unit				0.1 μ m			
	High Precision Measurement Mode	Not Connected	± 1.5 μ m				
Measurement Accuracy –		Connected	\	± 2+L/150 μ m	± 2+L/150 μ m		
weasurement Accuracy	Wide Fov Measurement Mode	Not Connected	± 3 μ m				
		Connected	\	± 3+L/150 μ m	± 3+L/150 μ m		
Instrument Weight			33kg	45kg	50kg		
	Camer	a	1" 20MP Black And White Camera × 2				
	Lens		Double Magnification Double Telecentric Lens				
Optical System –	Surface L	ight	Two-Ring Adjustable Light Source				
	Back Lig	ght	Green Parallel Bottom Light				
V	Nork Stage Load		5kgs				
M	leasuring System		Al-Image (Independently Developed)				
	Power Supply		220V±10%,50Hz				
Wo	orking Environment		Temperature: 20±3°C; Temperature: 30-80% (No Condensatio Vibration: <0.002g,15HZ				
			I .				



## Supplier Of Machine Vision And Industrial Automation Core Components



— — Professional • Concentration • Focus — —

POMEAS, Machine Vision And Industrial Automation Core Product Suppliers. Established in 2010, POMEAS is a vision technology drived company, integrating optics, control, algorithms and other technologies, focusing on image measurement, image recognition, image sensors and other fields, with customized solutions for customers to help customers improve equipment competitiveness.