

Efficient measurement

- Auto illumination
- Auto focusing

5000+ pcs

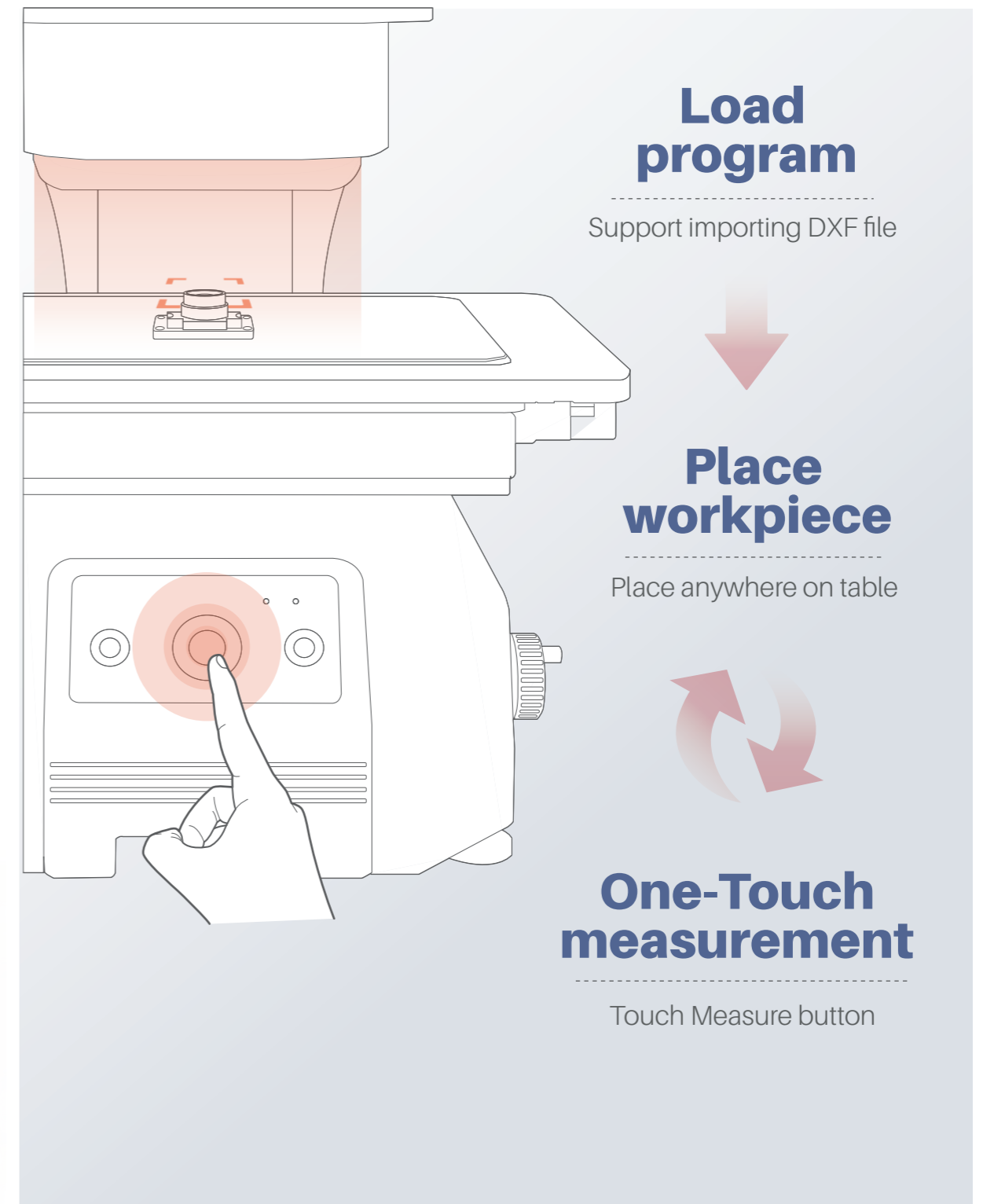
Once up to 5000+ features

1024 pcs

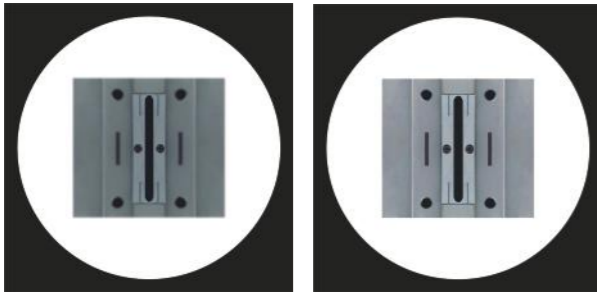
Once up to 1024 workpieces

2 secs

In 2 seconds Finish the measurement



Dedicated Optical Lens

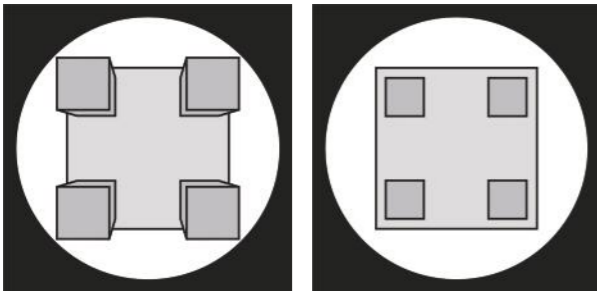


Normal Lens

Our Dedicated lens

Clear image even if there are stages

Equipped with a high depth optical lens and automatic focusing, the flash measuring machine only needs to focus at the tested object once. Even if there are variations in height, the images remain clear.

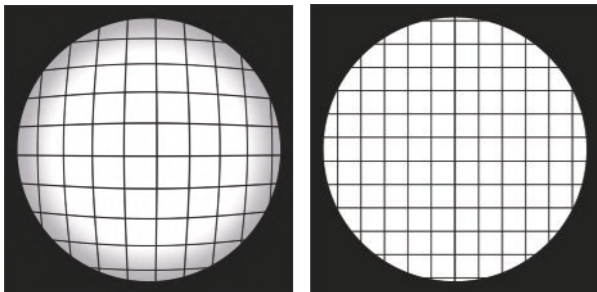


Normal Lens

Our Dedicated lens

Always real size even if there are stages

With a double telecentric optical lens, the size of objects in the image is always real and accurate, even features that are located at edge of the field of view.

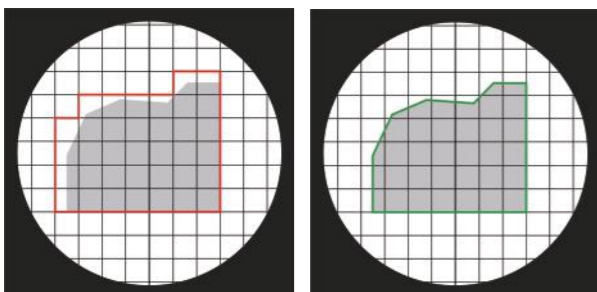


Normal Lens

Our Dedicated lens

Zero distortion in the full field of view

Thanks to the double telecentric optical lens with high depth of field and high resolution, it is almost zero distortion of the image in the full field of view. Test result is always the same in any position of the object table.



Normal Lens

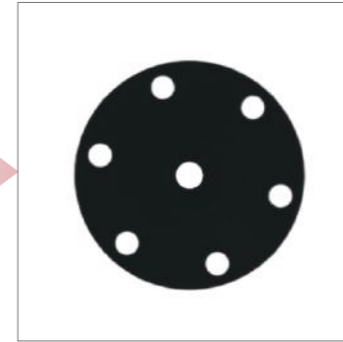
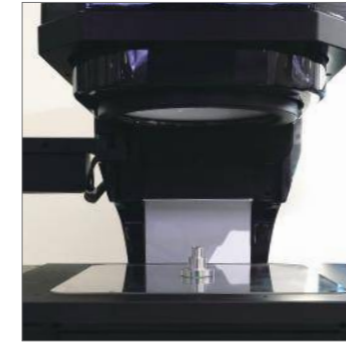
Our Dedicated lens

Sub-pixel processing of edges

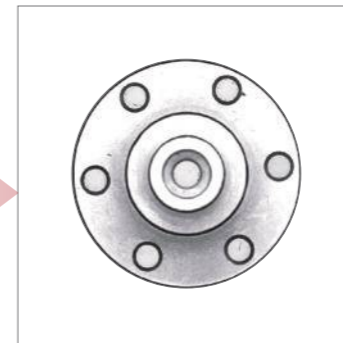
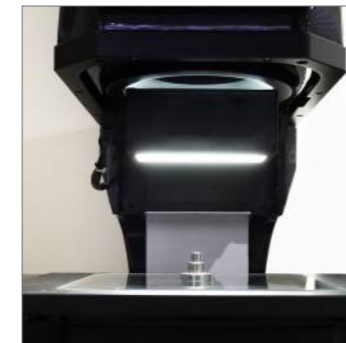
With algorithms of high-order interpolation and numerical fitting, the software can perform sub-pixel processing of the edges.

Light Source

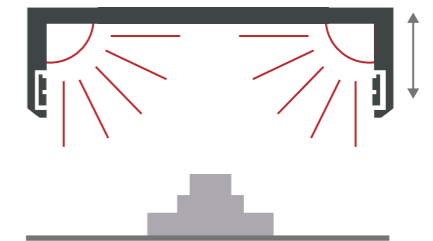
Back light



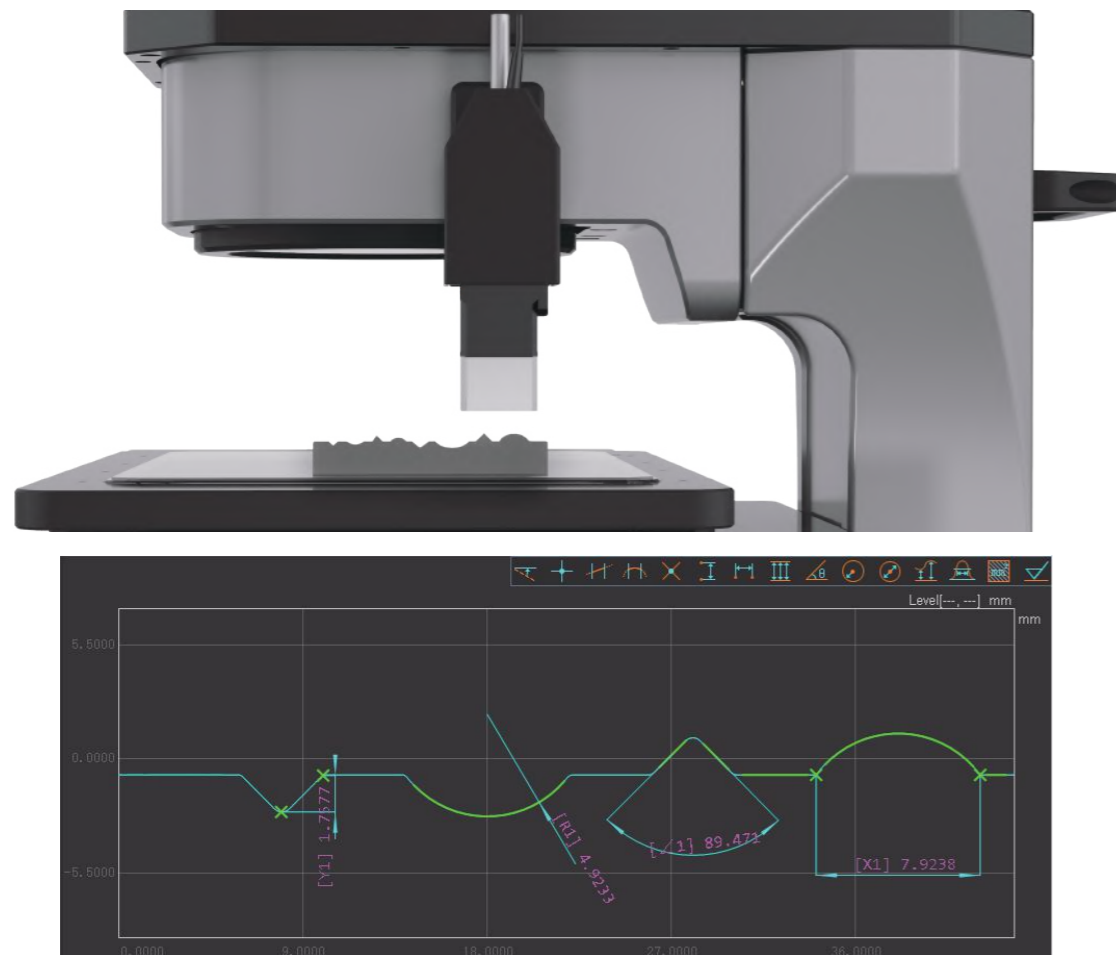
Coaxial light



75° Ring light

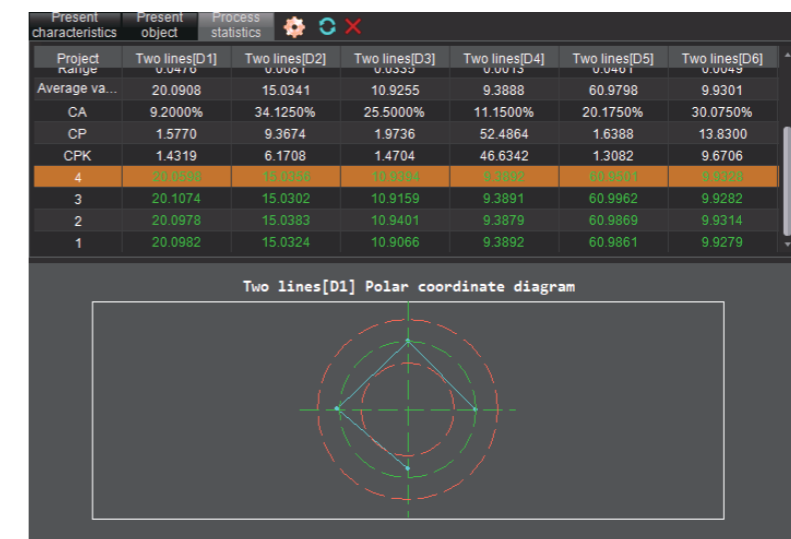


Height probe



It is a white light confocal probe, and can be used to measure thickness, height difference, flatness, parallelism, etc. Moreover, this probe can scan the contour of the sample.

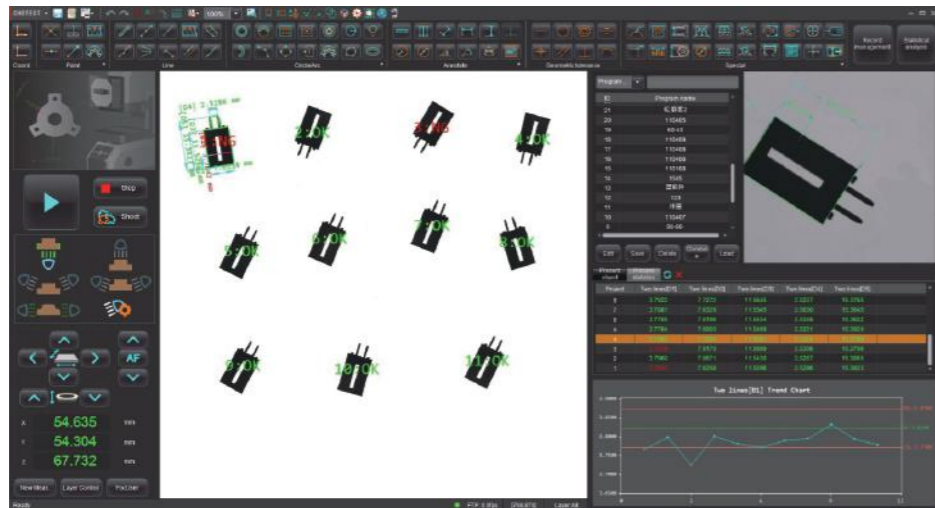
Rotary chuck



Rotary chuck can rotate 360°. It is convenient to measure the sizes in different section according to rotation angle specified by the operator. It is an ideal solution to measure all kinds of cylindrical parts, such as shaft, etc.

Software


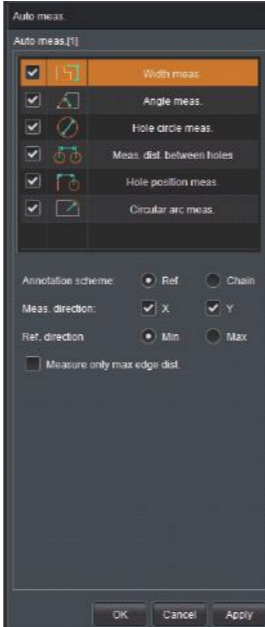
VisionX professional visual measurement software is completely independently developed by CHOTEST, and CHOTEST has independent intellectual property rights. VisionX has friendly user interface, convenient operation, powerful and practical functions, support more than 80 kinds of extraction and analysis tools, including feature extraction tool, auxiliary tool, annotation tool and special application tool, etc. Moreover, functions can be customized according to user's need, so as to improve work efficiency more effectively.



Home Interface

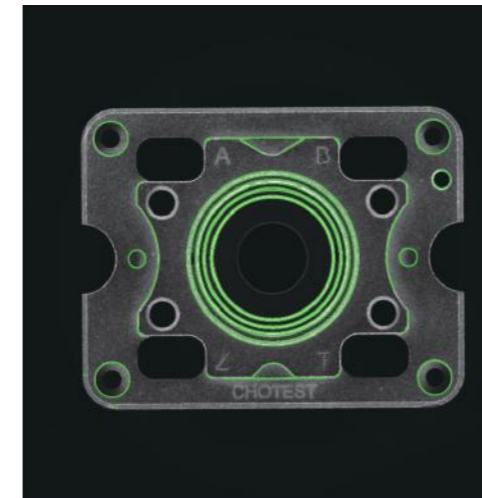
Features

Geometric Tolerance	Straightness, Roundness, Concentricity, Symmetry, Positional Tolerance, Parallelism, Perpendicularity, Profile Tolerance, etc.
CNC Mode	Modify CNC program anytime, as well as adding or reducing features OK or NG is concluded according to tolerance in CNC program
Automatic	Only need to select the measuring features, after placing the workpiece, measuring results can be obtained quickly by one key
Coordinate System	Can create coordinate system by Point-line, Line-line, and translate & rotate coordinate system, as well as create multi-coordinate system
Special tools	Rounded corner, Contour, Thread, Slot, Perimeter, Pitch distance, Thickness, Chamfer, Spring, Gear, Sealing gasket, Area, Pitch Angle, Boundary width

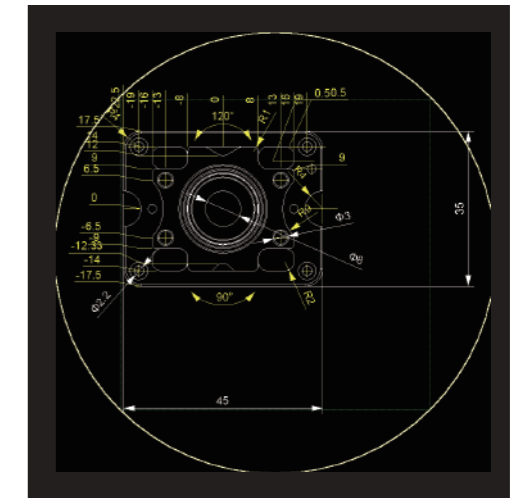



DXF Import

Measurement data can be obtained from CAD drawings. Even if the test object is not physically available, you can still create measurement programs quickly. The system can automatically assign features and dimensions from the DXF drawing to the sample, including surface dimensions.



Sample



Automatically assign DXF features to the sample

Work with Robot

Measurement data is transmitted to the MES system of the customer via socket or HTTP protocols in real time.

VisionX also could receive commands from the external server to load the program and begin measurement, so it is compatible with robotic arms to achieve unmanned measurements.



Application

Flash measuring machines are widely used in industry of machinery, electronics, mold, injection molding, hardware, rubber, low-voltage electrical appliances, magnetic materials, precision stamping, connectors, connectors, terminals, mobile phones, home appliances, printed circuit boards, medical equipment, watches, tools, etc.



Phone case



Phone accessories



Watch inner parts



Watch chain



Machining parts



Stamping parts



Sheet metal parts



Plastic injection parts



Magnetic component



Cutting tools



Small metal parts



Gear



Rubber ring



Spring



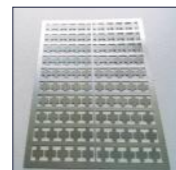
Thread, Shaft



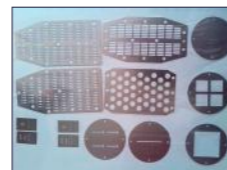
Rigid PCB



Soft PCB



Shielding case



Mask board



Ceramic plate



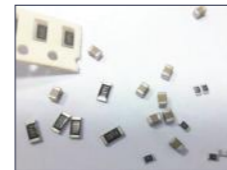
Car monitor frame



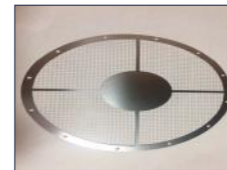
Connectors



Battery



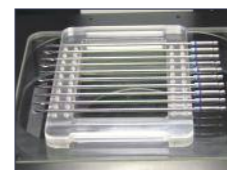
Resistors



Filter mesh



Die cutting



Medical drill



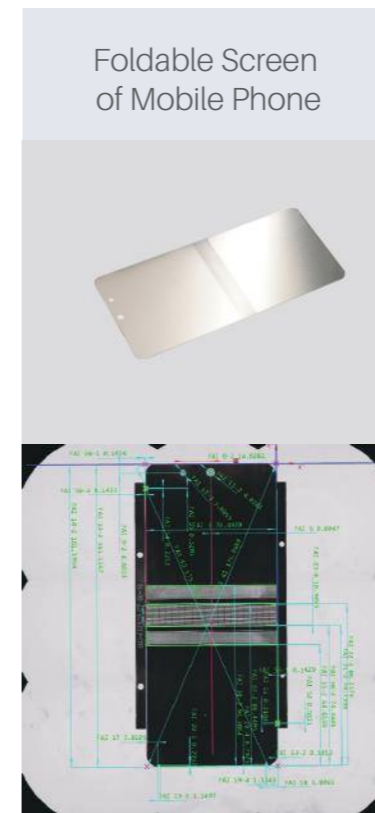
Sieve



Radius gauge



Thread template



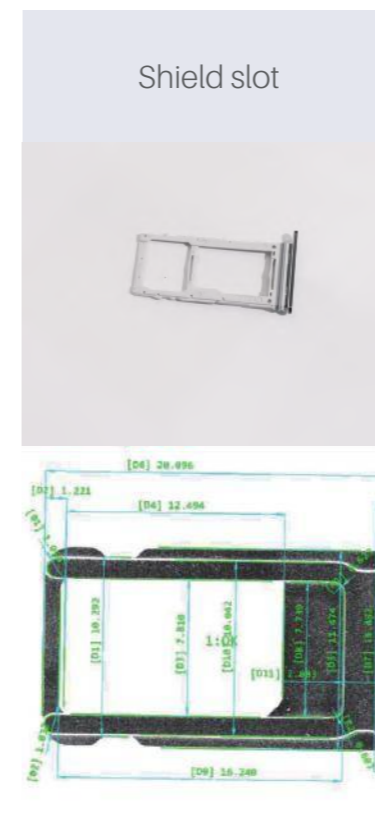
Foldable Screen of Mobile Phone



Phone Casing



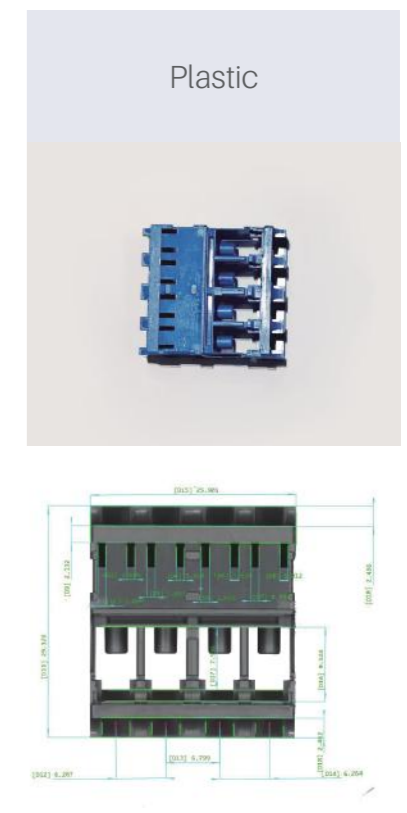
Shielding Covers



Shield slot



Back Cover Glass of Mobile Phone



Plastic