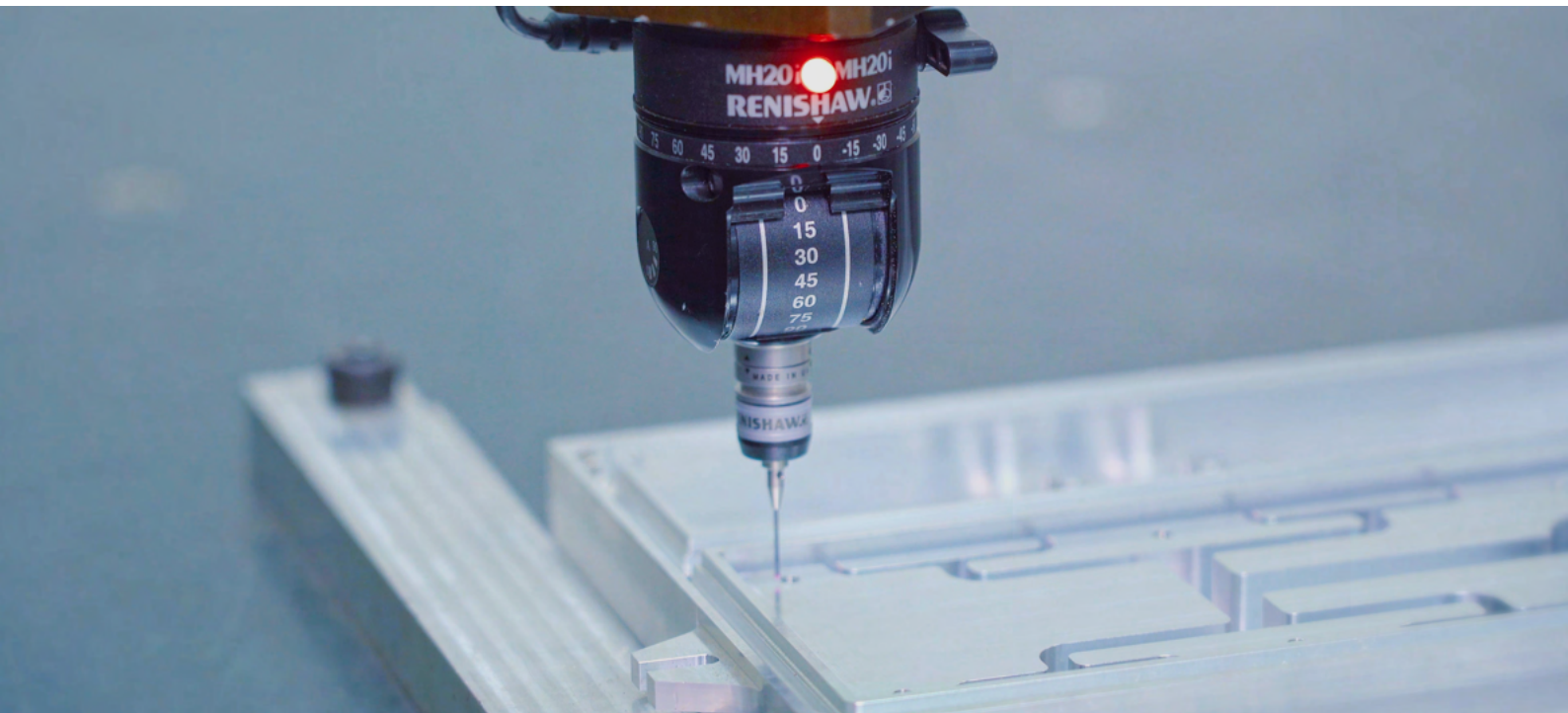


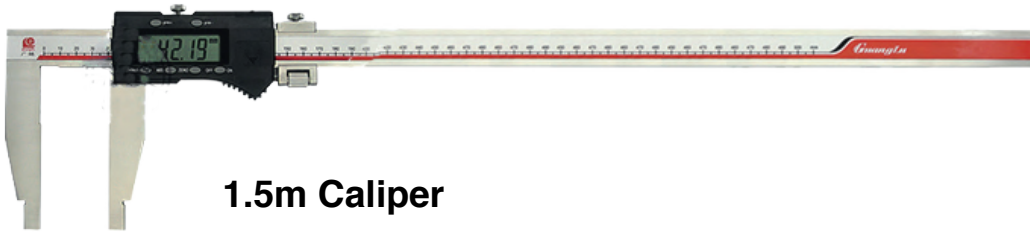
# HLH Quality Control Equipment List



## HLH QC EQUIPMENT LIST

All processes are done in-house - this includes the surface finishing of your custom CNC machined parts. Discover the range of surface finishes that can be applied to different materials and their compatibility in this sheet.

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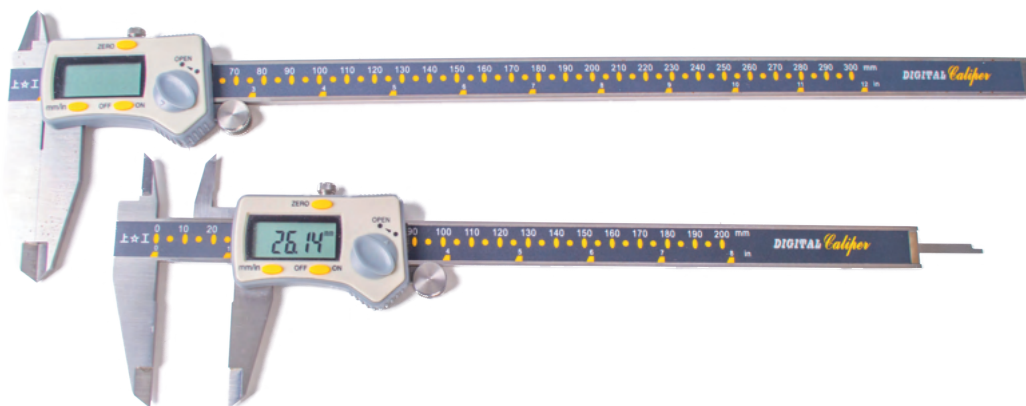
### 1.5m Caliper

Used to measure the outside diameter of large objects — cannot check the inside diameter.



### The Internal Groove Caliper

Used to check the relative deep inside diameter and groove.



### 200mm & 300mm Caliper

Used to check the inside diameter, outside diameter and depthside diameter.

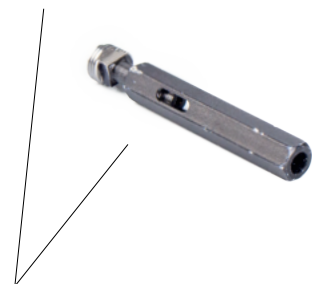
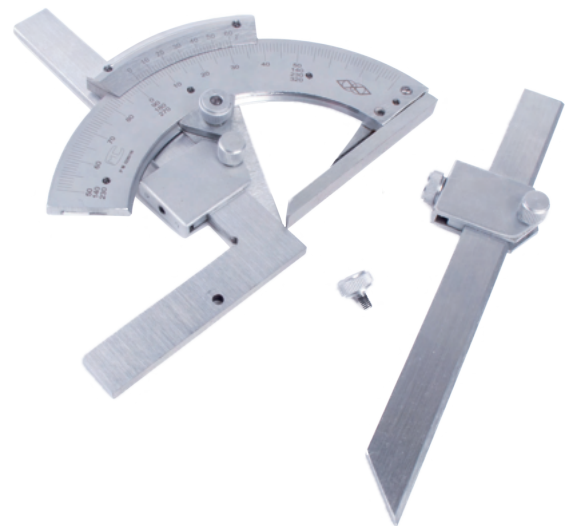


### Micrometer

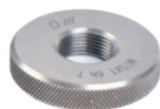
Used to check the part with tolerance to "0.001."

### Angle Ruler

Round head protractor has a 0 to 180 degrees semi-circle scale - can be used to measure any angles.



Plug Gauge



Ring Gauge

### Go – No Go Fixed Gauges

Plug gauge is used to check the threaded holes.  
Ring gauge is used to check the threaded studs.



### “500mm” Height Gauge

Used to determine the thickness of the product itself or the thickness or the product surface coating.

### “500mm” Height Gauge

Test indicators translate small linear distances into rotational movement to measure dimensions to “0.060,” accurate up to “0.0001.”



### Electronic Digital Altimeter Height Gauge

Used to determine an object’s height with with extremely high accuracy and precision.



Pin gage is used to check the threaded stud.



## Pantone & RAL Color Card

Used to help verify that the colors match your specifications.

## Metric Feeler Gauge

Used to measure clearance gap widths.



## Metal Material Spectrometer

Used to determine the content of elements from ppm to percentage level in both pure metals and complex alloys



## Two-dimensional Image Measuring Instrument

Used to measure the size of products and molds. The secondary metering instrument is mainly used to measure the two-dimensional plane detection of thin products and smaller products or other parts.

## Coordinate Measuring Machines

Used to measure items that are difficult to measure with high accuracy, record the measured data, and obtain GD & T measurements.



## Rockwell hardness tester

Used to rapidly and accurately determine the hardness value of a wide variety of materials including metals, plastics, large parts, and small precision parts.





## Portable Hardness Tester

Ideal hardness testing tools where large samples, which cannot be brought to a traditional tabletop hardness tester, or specimens with hard to access areas are to be tested.

## Shore Durometer

Used for measuring the hardness of a material, typically of polymers, elastomers, and rubbers.



## Coating Thickness Tester

Used to measure the thickness of paint plating, coatings and galvanizing on iron steel.



## Roughness (Ra) Sample Block

Used to compare the surface roughness & make sure it's correct.

## Surface Roughness Tester

Used to measure the condition of machined surfaces of parts.



## Needle gauges

Used to check hole sizes.

## Marble Measuring Table

Used to check the flatness.

