

飛輪鑽孔對位辨識

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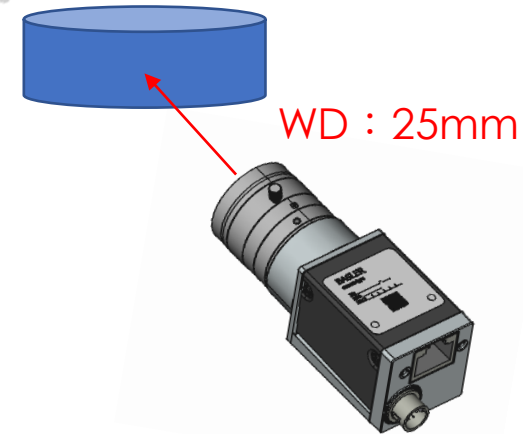
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測試環境

硬體配置

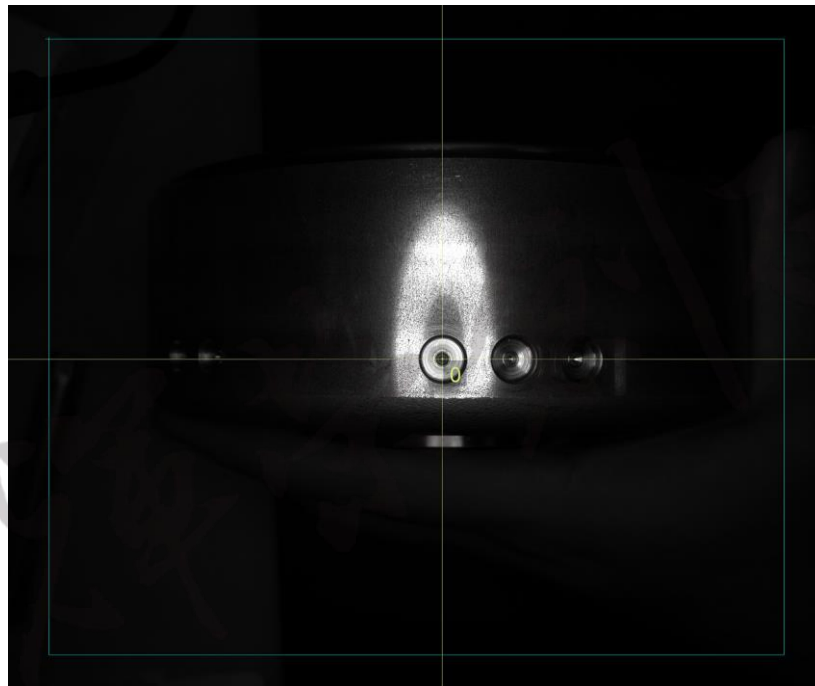
- 相機：
 - 晶片尺寸：7.2 x 5.4mm (1/1.8")
 - 快門類型：Global Shutter
- 鏡頭：HR118-0420 + 0.5EXR
 - 工作距離：25mm
 - 視野大小：44mm
- 光源：特殊光場設計，消除金屬反光，可清楚辨識鑽孔輪廓
 - 聯繫我們獲得更多資訊 websales@huirong.com.tw
- 軟體：優化辨識計算及建立最適工具，整體判定更加準確



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實際檢測結果



The screenshot displays the 'Settings Image In Task' window with a table of inspection results. The table has columns for 'Run Cnt.', 'Fail Counts', 'Process T.', and 'Total Time'. The 'Pass/Fail' status is shown as 'Pass' in blue. Below the table, the 'Pass/Fail: Passed' status is confirmed. The 'Filters' section shows 'Area' at 10902, 'Width' at 145, and 'Height' at 149. The 'Outputs' section has several checkboxes, with 'Enable Output Blob List' and 'Enable Output Centroid List' checked. The 'Filtered Number of Blobs' is 1. The main window shows a grayscale image of the same mechanical part with a green circle highlighting a feature, and a red crosshair indicating the centroid.

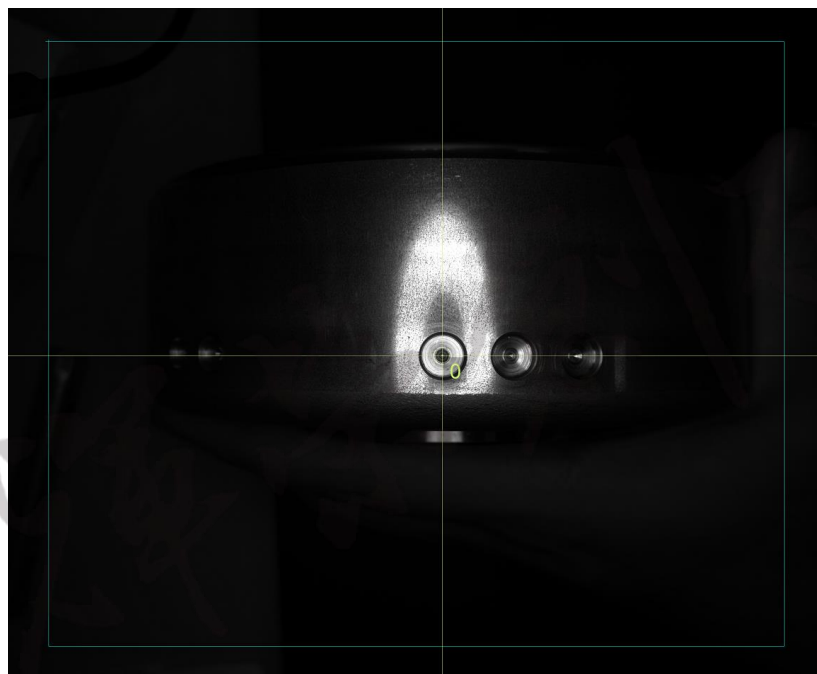
	Run Cnt.	Fail Counts	Process T.	Total Time
Inspection	206	0	90.029	80.000
Image In Task	206	0	90.029	80.000
Pattern Find	239	35	58.646	
Box	173	0	429	
Data Instance	62	0	53	
Circle Gauge	289	36	884	



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實際檢測結果



Settings Image In Task

- Inspection
- Image In Task
- Pattern Find
- Blob
- Data Instance
 - Name
 - Description
 - Type
 - Data Type
 - value = ((1.291472,0.5581537,74.83777),0°,360°,20)
- Circle Gauge

Input Image

Name	Type	Value
Name	Name	Circle Gauge
Description	String	
Type	String	Circle Gauge
Input Image	Image	[[inspection Image In Task:Image]]
Tool Origin	Origin	[[1309.904,1054.831,0]] Inspection Image In
Circle ROI	Wide Circular Art	[[1.291472,0.5581537,74.83777],0°,360°]
Circle Type	Integer	Dark Circle From Outside In
Edge Detection Method	Integer	Grey Level Edges
Edge Detection Sensitivity	Integer	High
Fixed Gradient Threshold Percent	Real	10
Fixed Grey Level Threshold Perco	Real	50
Noise Level	Integer	Medium Noise
Sampling Percent	Real	10
Outlier Distance Threshold	Real	3
Auto-Select Outlier Distance Thre	Boolean	False
Max Fitting Error	Real	Infinity

Setup Properties Link Summary Info



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