XTS Technologies
sdn bhd

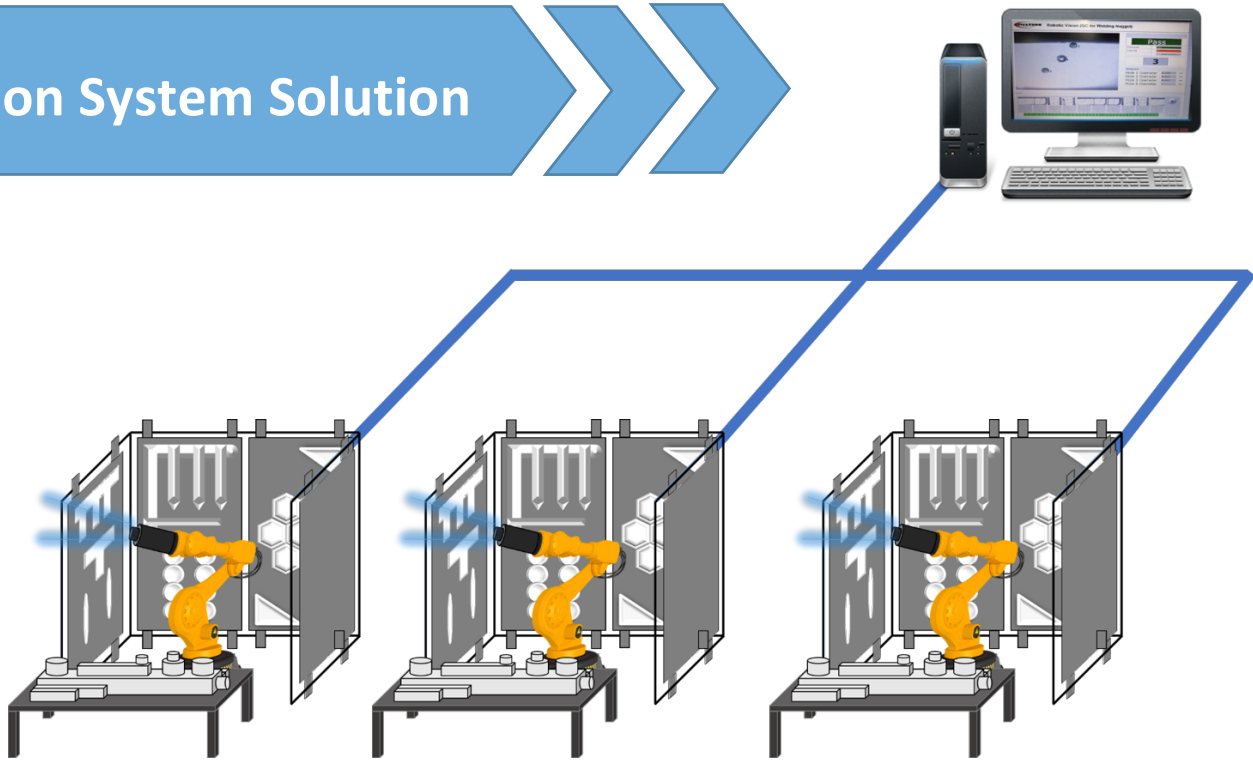# MVision System Solution

Automobile Instrument Panel

❖ Welding spot position and presence

Welding Spot Detection

Global results		
Pass		
Total pass	1	
Total fail	0	
Total count	1	
	Reset Counters	

Benchmarks		
Analysis time (ms)	4	
Frame rate (fps)	1.2	

Inspection Results		
Present	Present	
Range	Accepted	

Operator Inputs	

Welding Spot Detection

Global results		
Fail		
Total pass	0	
Total fail	1	
Total count	1	
	Reset Counters	

Benchmarks		
Analysis time (ms)	3	
Frame rate (fps)	1.2	

Inspection Results		
Present	Present	
Range	Out of Range	

Operator Inputs	

❖ Hole size and presence detection

Hole Detection

Global results

Pass	
Total pass	1
Total fail	0
	Reset Counters

Benchmarks

Analysis time (ms)	3
Frame rate (fps)	0.8

Inspection Results

Number of Holes	8
Hole 1	1.03304200915821
Hole 2	0.675675976563711
Hole 3	0.655641538733414
Hole 4	0.961665420310161
Hole 5	0.712899725152959
Hole 6	0.636500443247207
Hole 7	0.704339535374467
Hole 8	1.01543419442747

❖ Welded Component presence detection

Part Detection

Global results

Fail	
Total pass	0
Total fail	1
	Reset Counters

Benchmarks

Analysis time (ms)	1169
Frame rate (fps)	0.6

Inspection Results

Number of Part	1

Plastic Computer Part
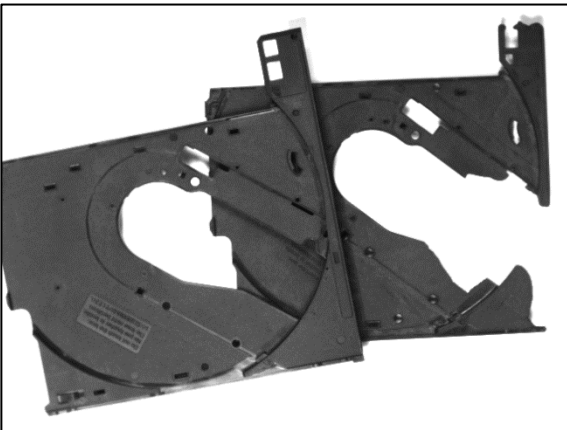
❖ Check different position of the part that moving on conveyor
❖ Eject rejected part and automatic filter the good part
❖ Reduce human mistake of missing some bad part
❖ Unmanned the QC checking work
❖ Save all QC check work for good and bad parts for future traceability

Disc Tray Backside Defect Detection

Global results

Pass	
Total pass	1
Total fail	0
	Reset Counters

Benchmarks

Analysis time (ms)	1
Frame rate (fps)	1.2

Inspection Results

Total part found	5
Total count	1

Disc Tray Backside Defect Detection

Global results

Fail	
Total pass	2
Total fail	2
	Reset Counters

Benchmarks

Analysis time (ms)	3
Frame rate (fps)	1.2

Inspection Results

Total part found	3
Total count	4

Component A Defect Detection

Global results	
Fail	
Total pass	1
Total fail	2
	Reset Counters
Benchmarks	
Analysis time (ms)	95
Frame rate (fps)	1.1
Inspection Results	
Total Component	3

Component A Defect Detection

Global results	
Pass	
Total pass	1
Total fail	0
	Reset Counters
Benchmarks	
Analysis time (ms)	22
Frame rate (fps)	1.1
Inspection Results	
Total Component	1
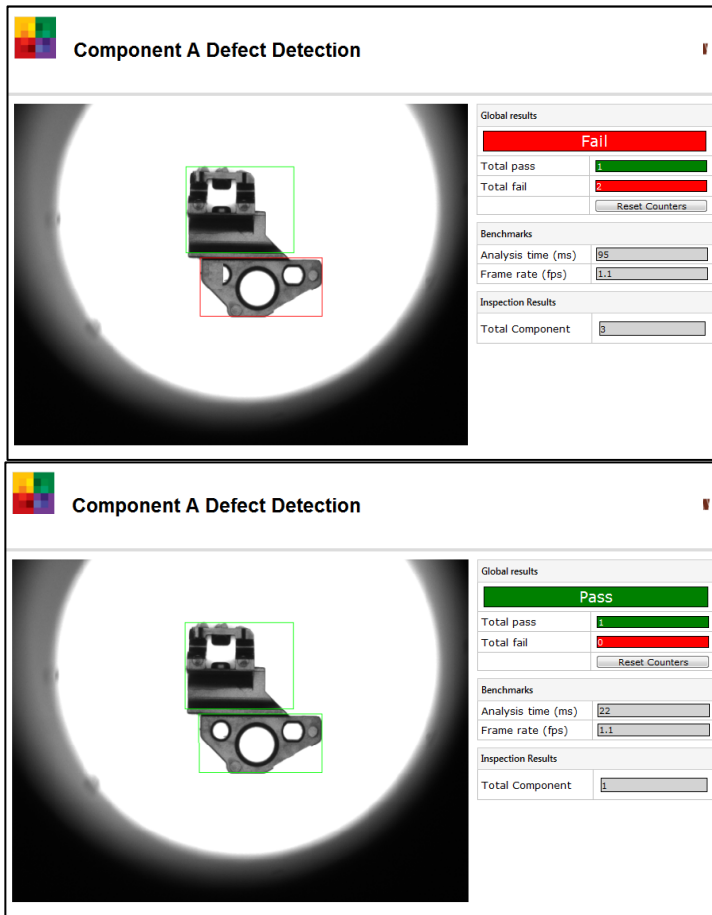
afety Belt Production Inspection

Safety Belt Inspection

Set Up Diagram

Lens

Object/Web

Scan A
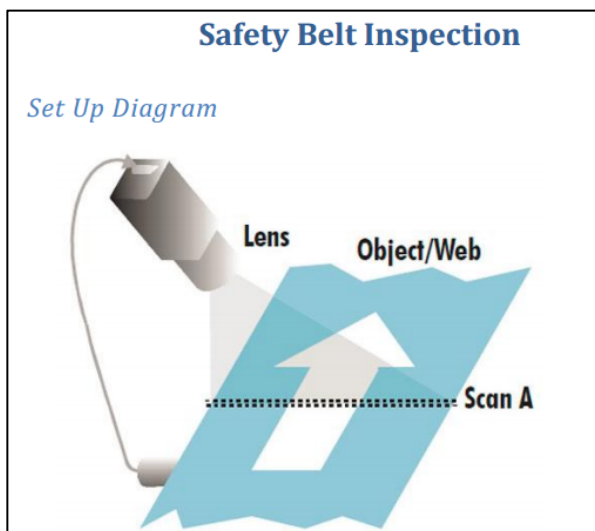
Check defect of safety belt when production

Black Spot:

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YarnLoose:

Fila Mentation:
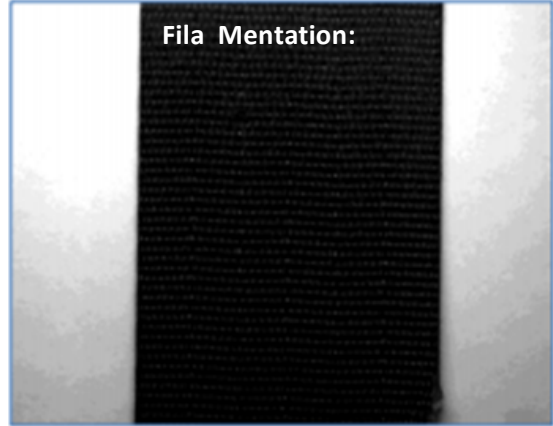
YarnBreak:
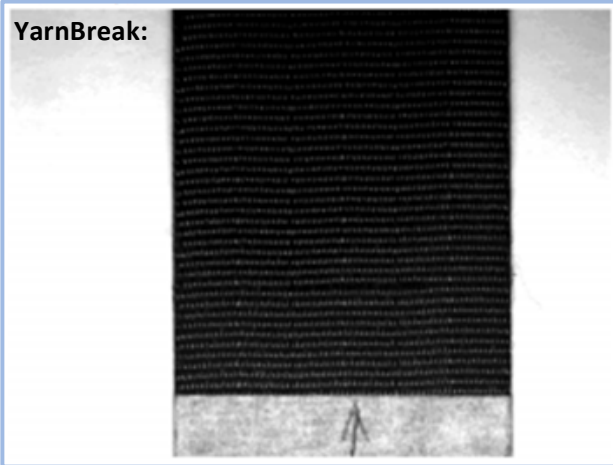
Mispick:
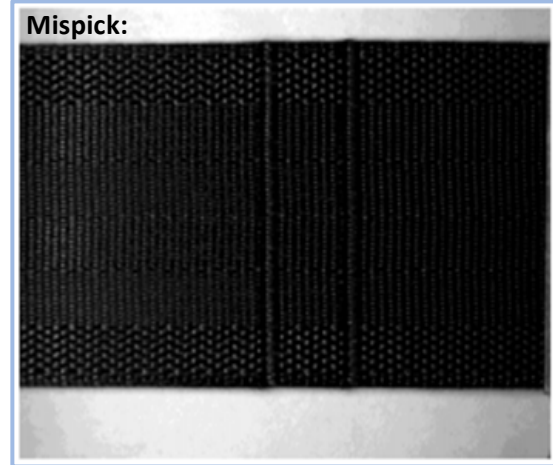
Chrome Component Inspection

Rough Surface Detection

Global results	
Fail	
Total pass	0
Total fail	2
	Reset Counters

Benchmarks

Analysis time (ms)	11
Frame rate (fps)	1.2

Inspection Results

Total Number	2

Bubble Detection

Global results	
Fail	
Total pass	0
Total fail	1
	Reset Counters

Benchmarks

Analysis time (ms)	14
Frame rate (fps)	1.2

Inspection Results

Total Number	1

Unplate Detection

Global results	
Fail	
Total pass	0
Total fail	1
	Reset Counters

Benchmarks

Analysis time (ms)	7
Frame rate (fps)	0.0

Inspection Results

Total Number	1

Pitting Detection

Global results	
Fail	
Total pass	0
Total fail	2
	Reset Counters

Benchmarks

Analysis time (ms)	4
Frame rate (fps)	0.0

Inspection Results

Total Number	2