



Precision sheet metal visual inspection system

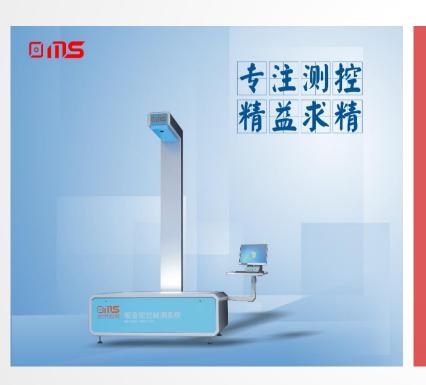
System Introduction

Time: October 2022



Product Overview





Principle introduction

The equipment adopts an ultra-high resolution digital imaging system to instantly obtain millions of measurement data of parts, generate the actual contour map of parts through computer algorithm processing, and then compare with the design drawing (CAD drawing) of parts to find out the deviation, generate a detection report, and annotate the local minor size deviation with a color deviation map. The processing status of parts is clear at a glance. It can display or print the inspection report of the part to quickly complete the inspection of the part.





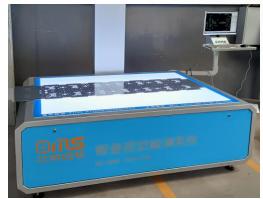
1 Fast first article inspection

The detection process is completed in 30 seconds, No professionals required, without programming, simple and fast, less waiting time;

Full drawing inspection, size deviation, multiple processing, missing processing, etc. are clear at a glance to avoid missing;

The test results generate test reports, which are convenient for forwarding to customers, archiving or printing;

Timely find problems such as die wear, wrong installation, program error, wrong version of CAD drawing, and decline in equipment accuracy.

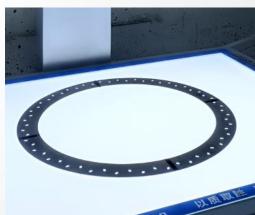










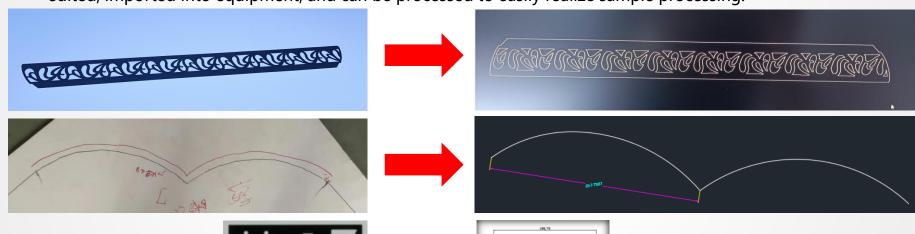






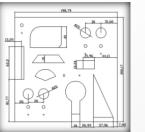
Reverse engineering

Sample processing, 1:1 scale reverse drawing, generating standard CAD drawings, which can be edited, imported into equipment, and can be processed to easily realize sample processing.



Sample parts





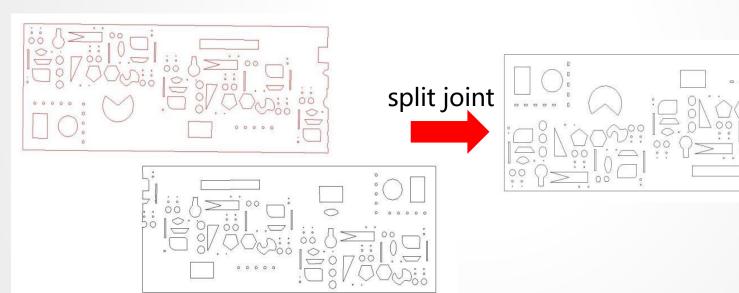
Reverse CAD drawing





3 Joining together long piece

For large parts beyond the detection range, By human-computer interaction, it can automatic joins together.



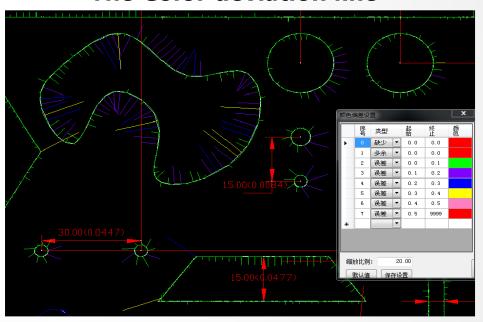




4 The criteria of QC

- 1. With the dimensioning marked the tolerance, the criteria is the marked tolerances;
- 2. With not marked tolerance, You can choose the standard of the enterprise own, or the other international standard;
- 3. Without dimensioning, can automatically generate color deviation line, can make decision by color, length of line, intuitive eyecatching.

The Color deviation line







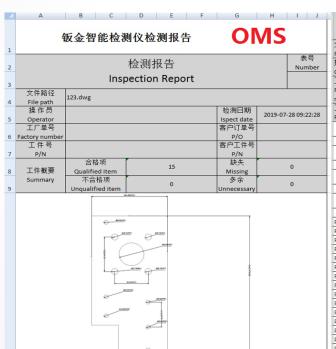
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Full inspection report

Multiple output formats Excel, PDF, CAD, BMP, etc.;

Test report can be customized header information;

The report can also be printed directly.

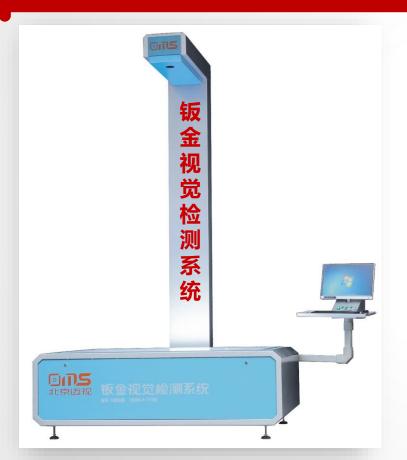


				检测	数据		
			In	spection	Report Data		
文件路径 File path	MS-101.dwg						
操作员 Operator	zhao guo			检测日期 Ispect date	2021-12-08 16:04:12		
工厂单号 Factory number	21-1543			客户订单号 P/O			
工件号 P/N	13			客户工件号 P/N			
				Miss	sing(0)		
Coding	Size	Design	Detect	Deviation	Standard Deviation	Tolerance	Remark
	000	V2	A20	Surp	olus(0)	120	
Coding	Size	Design	Detect	Deviation	Standard Deviation	Tolerance	Remark
180	7.0		10	Unqua	lified(0)		Ø):
Coding	Size	Design	Detect	Deviation	Standard Deviation	Tolerance	Remark
				Qualit	fied(41)		,
Coding	Size	Design	Detect	Deviation	Standard Deviation	Tolerance	Remark
P1	y-axis dim	40.00	39.99	-0.01	0.010588	-0.30/+0.30	
P2	X-axis dim	60.00	60.06	0.06	0.001630	-0.30/+0.30	
P3	y-axis dim	29.92	29.89	-0.03	1.018536	-0.20/+0.20	
P4	X-axis dim	60.00	59.95	-0.05	0.004169	-0.30/+0.30	
P5	y-axis dim	40.00	39.92	-0.08	0.008230	-0.30/+0.30	
P6	y-axis dim	62.20	62.11	-0.09	0.000001	-0.30/+0.30	
P7	X-axis dim	14.70	14.70	0.00	0.008720	-0.20/+0.20	
P8	X-axis dim	16.00	15.94	-0.06	0.000001	-0.20/+0.20	
P9	y-axis dim	45.00	45.01	0.01	0.000241	-0.30/+0.30	
P10	y-axis dim	47.42	47.38	-0.04	0.000001	-0.30/+0.30	
P11	Diameter	53.01	53.01	0.00	0.000762	-0.30/+0.30	
P12	Diameter	20.00	19.99	-0.01	0.000612	-0.20/+0.20	
P13	Diameter	20.00	19.98	-0.02	0.000601	-0.20/+0.20	
P14	Diameter	8.00	7.91	-0.09	0.001489	-0.20/+0.20	
P15	Diameter	30.00	29.99	-0.01	0.000820	-0.30/+0.30	
P16	Diameter	10.00	9.88	-0.12	0.001229	-0.20/+0.20	



Product parameters





Item	Parameter
Model	MS1600B
Detection range	1600×1100mm
precision accuracy	50um
Overall dimensions	2100×1800×3600mm
weight	About 800Kg
Power supply	AC220V/50Hz
Rated power	Less than 1Kw



Product parameters



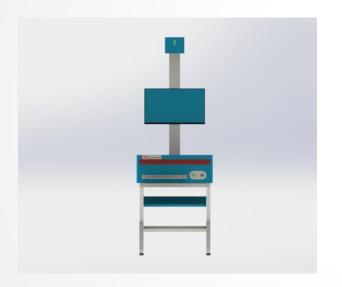


Item	Parameter	
Model	MS1250	
Detection range	1250×800mm	
precision accuracy	40um	
Overall dimensions	1600×1200×2900mm	



Product parameters





Item	Parameter
Model	MS600
Detection range	600×400mm
precision accuracy	25um
Overall dimensions	1000×750×1800mm



After-sale service



Software lifetime free upgrades

German RemoteAssistance Software

24-hour remote response

Regular customer follow-up



Market Case





Market Case











Market Case











THANKS