Non Contact Automatic Color Measurement Machine

■ Introduction:

BEVS Non Contact Automatic Color Measurement Machine (NCACM) is an intelligent and automatic non-contact color measurement system based on BEVS intelligent control system and spectrophotometer. It has high integration and scalability. BEVS NCACM is able to realize continuous and fast non-contact measurement and the efficiency increased by more than 60%. It can also reduce the damage and scratch when contacting the sample during measuring. BEVS NCACM has a more prominent advantage in measuring small sample, it can measure many samples at a time with fixture.

TEST REPORT/测试报告

PART ID/样品条码 : AABBXX
BATCH/批次 : EEFFXX
TIME/输出时间 : YYMMXX
DESCRIPTION/描述 : xx x

PLAT/工厂: CCDDXX
DEPARTMENT/部门 : HHGGXX
OPERATOR/操作者 : LLXX

测量位置/POSITION	时间/TIME	色差值/VALUE OF COLOR							结果/RESULT
		L*	a*	b*	d L*	d a*	d b*	d E*	
1		54.45	-30.46	-41.55	-0.01	0.06	-0.08	0.1	OK
2									
3									
样品结果/RESULT									
OK									

■ Software :

Operator can control the spectrophotometer, BEVS automatic measurement control system and USB Camera by PC.

The functions of the software:

1) Calibration of Spectrophotometer, real-time control of color measurement and data.

2) Programming control of BEVS automatic measurement and control system XY axis module positioning to coordinate (X, Y) points.

3) Connecting USB Camera to assist verification and positioning.

4) Programming measurement program.

5) Real-time display of measurement results and save.

6) Output testing report.

■ Technical info:

No.	Description	Specification
1	Single measurement time	0.2s
2	Min measurement interval	0.2s
3	Min measurement area	0.75x 1mm
4	Max sample size	180x 180mm
5	X axis speed	10-500mm/s
6	Y axis speed	10-500mm/s
7	Z axis speed	10-100mm/s
8	Accuracy of colormeter	△E*ab<0.2
9	Repeated positioning accuracy of XY axis	0.1mm
10	The distance between sample surface and measurement point of color meter	1±0.2mm
11	Grossweight	180 KG
12	Input electricity	Voltage 220V/50Hz Power 450W
13	Working Temperature	15-30℃
14	Humidity	20-80% RH (No condensation)
15	Dimension	LxWxH (980x730x1550mm)

■ Order info:

BEVS 3212 Non Contact Automatic Color Measurement Machine
(Enable to customize upon requirements)