Intelligent Robotic Coating Station

BEVS 3228N

Introduction

With the development of Industry 4.0 and improve the competitiveness of products, accelerating the speed of research and development, BEVS has developed the first small intelligent robot coating station in the paints and coatings industry.

BEVS 3228N Intelligent Robotic Coating Station is an intelligent small workstation which integrates intelligent instrument, robot, automatic control system and testing material.

The robot automatically completes the loading and unloading, realizes the rapid automatic drawdown film, greatly improves the reproducibility and efficiency of the coating, and obtains the uniform coating film in physical properties, appearance and chemical properties. All kinds of instability caused by the factors such as velocity, pressure and direction in the coating process were eliminated, and a high precision testing result was provided for testing rheological properties, wear resistance and hiding power of the material and so on.

Features

- Real time Data encrypted transmission
- Testing automatically
- Free combination of instruments and equipment
- System work by remote command
- Data, analysis, and result report can be obtained at anytime and anywhere
- Sharing with intelligent and automated production workshop
- Shorten the R & D and testing cycle time.

- High efficiency and greatly reduced R & D cost
- Data saving and output
- Fast automatic drawdown with different coatings
- Environmental protection, energy-saving and confined space

Technical info

Robot:

Description	Stroke (mm)	Pre-allocation time (s)	Max Speed (mm/s)
Horizontal moving	1000	4	500
Vertical drop of fixture	300	2	300
Vertical rise of fixture	300	2	300
clamp	/	2	0.6
Maximum acceleration	/	$5m/s^2$	/
Clamping fixture range	/	Single side 80-150 mm	/
Maximum weight of sample	/	2 kg	/

Drawdown info:
Continuous coating drawdown speed: 40 s/pcs
Duration of working: 7 x 24h
Compatible paints: 10 kinds of paints
Maximum storage standard panels: 100 pcs
Maximum storage panel bracket: 5 pcs
Maximum storage coated panels: 5 pcs
Standard Substrate size (maximum): 150 x70mm
Test platform: Standard cement slab
Coating tool: Bar Coater

Station info:
Weight：350KG
Voltage：220V/50Hz
Power：2.5 KW
Air pressure: 0.5 Mpa (no oil and no water)
Workstation size: 1400 X 1240 X 2030 mm (L X W X H)

Environment request:
Temperature: +15-35℃
Humidity: 20-80% RH (non - condensation)

Order Info
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