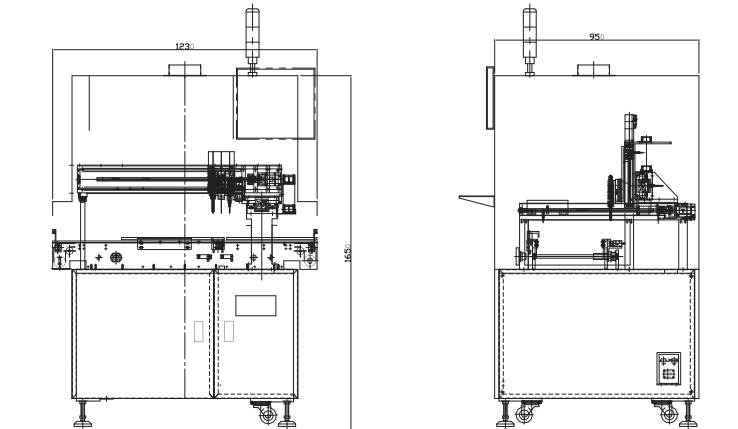
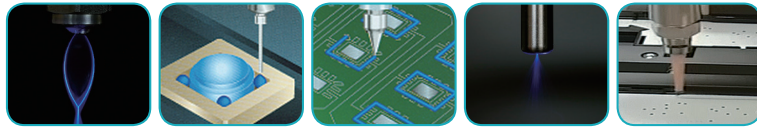


AUTO COATING SYSTEM

ACS-700 Series



Features

DETAIL

- Over 20 year experience of coating system (IMPEC established in 1996)
- Adaptation of the various valves for coating and dispensing a wide range of viscosity (Spray valve, Needle Valve, Film Valve, Dispensing Valve, 2-component mixing valve, Jet Valve, and etc)
- Support multi valve system even with difference type of valves for productivity
- Valves designed for simple maintenance and easy cleaning
- Suitable for various coating operation with high accuracy and uniformity
- Real-time flow monitoring system during coating operation
- Stable material supply system with easy maintenance
- Industrial PC-based precision robot control system with software stability coded by IMPEC – Camera-based recipe making and a recipe simulation function
- User-friendly touch interface and intuitive communication
- Provide optimal and efficient coating process through IMPEC's coating line solution (Coating→Curing→Coating Inspection)

OPTION

- Flow Monitoring System (실시간 용액 분사량 측정 및 관리 시스템)
- Bubble Suction System (용액 기포 제거 시스템)
- Multi Valve Unit (밸브 유닛 추가)
- Multi Action Coating Head with axis R&T (밸브 Rotation & Tilt 제어)
- Graphic Teaching Program (그래픽 티칭 프로그램)
- Barcode Reading & Data Logging (바코드 검사 및 로그 저장)
- Server Direct Communication System, MES (MES)
- Fiducial Check and Tilt Correction (피튜셜 검사를 통한 작업 위치 보정)
- Fool Proof System (제품 감지 기능)
- Material Heating and Circulation System (용액 Heating 및 순환 기능)

ACS-700 Series Specification

COATING VALVE (User Select)

IMPEC Exclusive valve

- Spray Valve
- Needle Valve
- Film Valve
- Jet Valve
- Dispensing Valve (1 material/ 2 material mixed)

SYSTEM DIMENSION

Width : 1,230mm
Depth : 950mm
Height : 1,650mm
Weight : Approx. 450kg

PROGRAMMABLE AXIS

Drive Method : AC Servo Motor
(Standard) 3 axis (X, Y, Z)
(Optional) 3 axis (R, T, W)
Repeatability : ±0.01mm
Moving Speed : 1,000mm/sec for each axis

PCB HANDLING

PCB Clearance : (Top)50mm, (Bottom)50mm
Working Area : (X)330mm x (Y)250mm
PCB Thickness : 1.0T~ 2.4T
Chain Conveyor

UTILITY

Voltage : AC220V, 1Phase 50/60Hz, 2.5kVA
Air Pressure : 6 bar (90psi)
Air Flow : 200L/min

CONTROL

IMPEC Coating Control Software on Industrial PC
OS : Windows 10
Monitor : TFT LCD 15" Touch Monitor

SYSTEM PROGRAMMING

Teaching Method : Color CCD Camera, MPG Jog
Memory : HDD
Move : Line, Arc, Circle, Spline

SOFTWARE FEATURE

Vision-based Teaching Software
Pressure Tank Unit with Weight Balance
Low Air Pressure Alarm
User Password Protection
Error Message Display
Door Safety Control
SMEMA Interface
Flying On/Off Coating