

## ILS2000 AUTOMATED DISPENSING SYSTEMS

ILS comes with servo controlled ball screw driven by servo motors. With a resolution of less than  $2\mu\text{m}$  per axis, it is designed for precision dispensing, very good accuracy and repeatability. The PC based software comes with an interface that allows easy programming and editing. Design with flexibility and to be used with many different types of dispensing systems, ILS will meet most demanding applications. Options are provided for user to choose only what they need so that ROI can be attractive.



### Specifications

Maximum Load (Z axis)	6kg
Maximum Speed	600mm/sec (X, Y axis) 500mm/sec (Z axis)
Repeatability	+/- $10\mu\text{m}$ per axis
Resolution	$1\mu\text{m}$ per axis
Program Capacity	Unlimited programs
Data Memory Type	Hard disk
Drive System	AC Servo Ball Screw
Motion Control	PTP, CP
Linear Interpolation	All axes
Teaching Method	Needle teach (Camera teach)
Power Supply	220 VAC, single phase, 20A
Conveyor	Edge belt, single stage (SMEMA standard) Max. Load: 2kg

Configuration

ILS 2000 Series

	2010 D Dotting	2010 L Line	2020 DH Dual Head	2020 SH Single Head
<b>Process</b>	Dotting Edge / Corner Bond Solder Paste Conductive Adhesive	Line / sealing Gasketing	Dam & Fill Cavity Fill	Underfill Chip Encapsulation Thermal Compound
<b>Valve</b>	Jet Valve (For 2010D) Auger Valve Slider Valve Progressive Cavity Valve Time/Pressure Valve High Speed Contact Valve (For 2010D)		Non-Contact Jet Valve Auger Valve Progressive Cavity Valve Time/Pressure Valve Positive Displacement Valve, PDP1000 (For 2020DH)	
<b>Standard Features</b>	Analog Camera System Laser Height Sensor 3 Stage Conveyor Needle Calibration Purge Station Cleaning Station Light Beacon with Alarm Low Incoming Pressure Sensor		Analog Camera System Laser Height Sensor 3 Stage Conveyor Needle Calibration Purge Station Cleaning Station Light Beacon with Alarm Low Incoming Pressure Sensor 3 Stage Heater Edge Detection (For 2020SH)	
<b>Optional Features</b>	Material Low Level Sensor Loader / Unloader Line Height Measurement		Material Low Level Sensor Needle / Syringe Heater Loader / Unloader Line Height Measurement	

Distributor