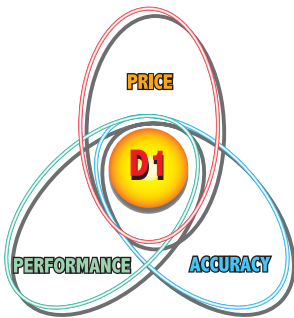
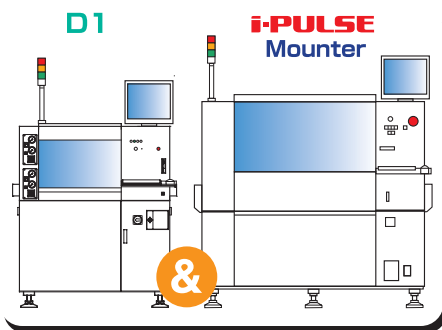


D1 HIGH SPEED DISPENSER



THE BEST COMBINATION



HIGH-EFFICIENCY DISPENSER

HIGH ACCURACY & HIGH RIGIDITY

"i-pulse D1" succeeds technology of the high-accuracy i-pulse mounter. The simple XY axes and the dynamic drive arm, designed by structural analysis, support highly accurate dispensing with the rigid head unit, using the single drive system.

STABLE DISPENSING

The fluid head compensation (STD) corrects dispensing conditions for stable dispensing, following the change of fluid head in syringe. The electro-pneumatic regulator enables setting of discharging pressure to contribute to production time and achieves further stability in combination with the fluid head compensation.

CRANK MOTION HEAD

"i-pulse D1" has adopted the original crank motion on-head drive to reduce stress on the board. The Z-axis control of the crank motion has achieved high-speed dispensing at 0.12 sec/shot.



LARGE BOARD CAPABILITY

The board size capability is L50mm to L485 x W410mm.

EASE OF OPERATION

The OS is Windows XP for ease of operation. Data editing is easy, using the same environment as the "i-pulse M2, M4a, and M4e".

HIGH-PRECISION VISION PROCESSING

The high-resolution teach camera (STD) provides high precision fiducial correction and high-speed bad mark sensing for quality production.

A VARIETY OF OPTIONS

- 10cc syringe, different nozzles
- The newly developed temperature control keeps the fluid at a definite temperature and minimizes variation of fluid amount dispensed.
- In addition to the dot dispensing, the line dispensing function accommodates different applications such as gluing IC components.
- The dot station realizes stable dispensing

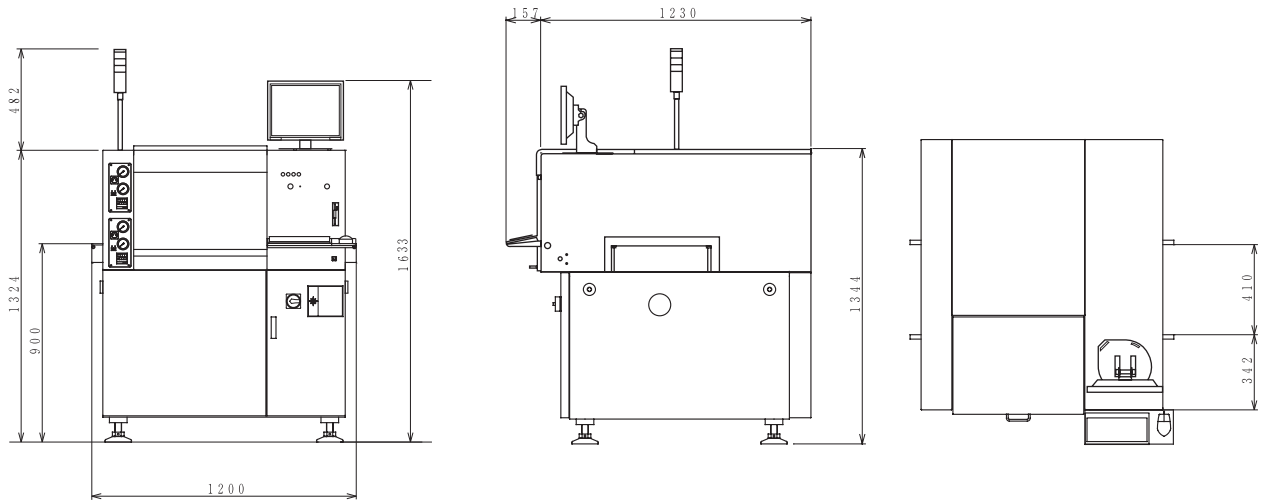


Dispensing head (the second head is optional).



The optional dot station.

DIMENSIONS



SPECIFICATIONS

Board dimensions (L x W)	50mm x 50mm to 485mm x 410mm
Board thickness	0.5mm to 20mm
Conveyor flow direction	Left-to-right (Right-to-left [option])
Board transfer height	900mm ± 20mm
Board positioning	Board edge, Front reference (Rear reference [option])
Dispensing accuracy	±0.1mm
Dispensing speed	0.12 sec/shot (under optimum conditions)
Dispensing types	Glue: 2 points, 1 point (Line dispensing [option]) Solder paste: 1 point (Line dispensing [option])
Dispensing points	Maximum 3,000 points (subject to programs)
Number of heads	1 head (second head [option])
Dispensing method	Air pulse
Power supply	3-phase AC200/208/220/240/380/400/415/440V ±10%, 50/60Hz
Power consumption	2.0KVA
Air consumption	100L/min. (A.N.R.)
Air supply	0.49Mpa to 0.68Mpa (clean air free of oil and moisture)
Machine dimensions	w1,200mm x d1,230mm x H1,344mm
Machine weight	Approximately 800Kg

OPTIONS

Second dispense head	Rear reference conveyor	Right-to-Left flow
Matrix backup clamp	Line dispensing	Temperature control (heating)
10cc syringe (30cc standard)	Input buffer stopper	Auto-conveyor width adjustment
Signal tower	Dot station	Conveyor extension
SMEMA risers	UPS-2	Custom color
Crank handle conveyor	Nozzle clearance tool	



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