

PROCESS PLATFORM: CENTURY® C-718 SERIES

MID-RANGE GENERAL PURPOSE DISPENSING

The Century® C-718 dispensing system from Asymtek is an advanced dispensing system that provides an unmatched balance of cost-effectiveness, performance, accuracy, and flexibility for use in mid-range dispensing applications. Equipped with the efficient, non-contact DispenseJet® valve, the C-718 system delivers sustained throughput at close to the maximum speed of its X-Y positioning table. The Century system uses a fast, overhead gantry positioning system that is optimized for smooth balanced performance within mid-range production line environments. It can deliver speeds of up to 20,000 dots per hour using the DispenseJet valve. The Century SMT system is fully supported by Asymtek's exclusive Fluidmove® for Windows® software, which allows users to quickly and efficiently building dispensing programs within a familiar Windows environment.

Targeted for mid-range dispensing applications including surface mount adhesive, solder paste, solder mask, and RTV dispensing, the C-718 dispensing system can be easily configured for a range of in-line dispensing operations. The non-contact DispenseJet valve consistently shoots the adhesive fluid onto the PCB substrate from a uniform height above the board, with minimal vertical motion or physical height sensing inherent to needle-based systems. Multiple dot sizes can be efficiently produced with a single DispenseJet valve simply by programming the system to shoot multiple dots in the same location.

Closed-loop temperature control and constant positive pressure systems maintain the consistency of the adhesive throughout the dispensing process and contribute to dot repeatability levels. In addition, the C-718 system's proven positioning system consistently provides a high degree of accuracy. Rapid fiducial registration and positioning corrects are accomplished through incorporation of Asymtek's state-of-the-art vision system. To enhance overall production integration, the Century C-718 dispensing system supports industry-standard SMEMA-compliant interfaces.



BENEFITS:

- Cost-effective dispensing for mid-range production environments
- Robust production-proven positioning system
- Adhesive dispensing throughput of up to 20,000 dots per hour using the non-contact DispenseJet valve
- Fully programmable using powerful Windows-based Fluidmove software
- SMEMA compatibility for in-line processing

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CENTURY® SPECIFICATIONS:

DRIVE SYSTEM:

X-and Y-Axis Control: Brushes DC Stepper Motor
2-Axis Speed: 203 MM/s (8 in./s)
System Repeatability: ± 0.025 mm (0.001 in.)
Resolution: ± 0.025 mm (0.001 in.)

WORK ENVELOPE

(Includes both Dispense and Vision)
Inline: 29 x 386 mm (16.9 x 15.2)

DISPENSE SPEED:

For Surface Mount
Adhesive (SMA): 20,000 dots per hour. 0.5 mm (22 mil.) or larger dots on 3mm grid

COMPUTER/SOFTWARE:

Pentium®-based PC
Fluidmove® for Windows NT®

FLUID DELIVERY METHOD:

Types: Supports DispenseJet valve
or DV-7000/8000 Rotary Positive Displacement Pump. Other valves available upon request.

OTHER STANDARD FEATURES:

Vacuum purge station
Workstation
Light beacon
Pattern Recognition System
NER DOAL® (Diffuse On-Aix Light™)
Height Sensor
Needle Sensor
Lift Table
Heater Controller – Single Channel RTD

CONVEYOR:

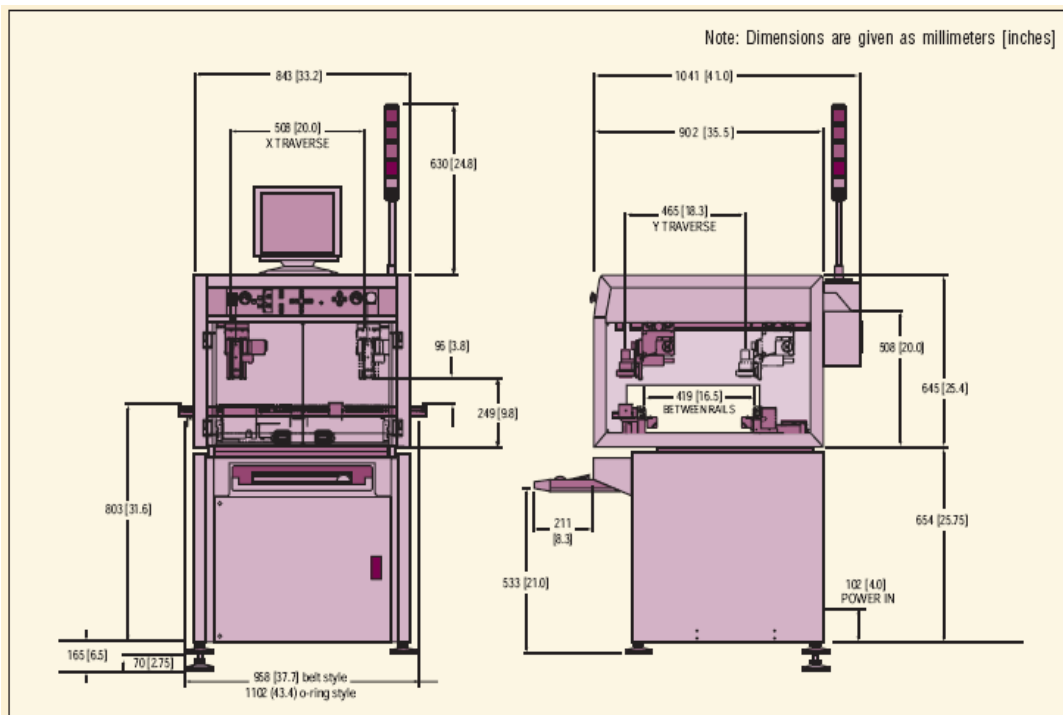
Edge-belt or o-ring style conveyors; can convey parts from 51 mm (2.0 in) to 419 mm (16.5 in.)
SMEMA-compatible
Motorized width adjustment

FACILITIES REQUIREMENTS:

System Footprint: See Illustration
Power: 100/120/220/240 VAC
50/60 Hz, 10 A
Air pressure: 690 kPa (6.9 Bar) [4.3 l/s] (90 PSI, 9 SCFM)
Noise: <70dBA
Weight: 349 kg (770 lbs)

OTHER OPTIONS:

Dual-action dispensing head
Heater controller, Single channel or Dual channel
Hour meter
Low fluid sensor
Needle heater
Light curtains
Under-board support pins



Please contact these locations for the name of your local representative

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www.asymtek.com

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Contact Asymtek for your specific application requirements.

Asymtek is ISO 9001: 2000 Certified
Intel Corporation's 2003 -2006 SCQI Award Winner

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