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PROCESS PLATFORM:
CENTURY® C-702/C-708

CENTURY® C-702/C-708

AFFORDABLE AUTOMATED DISPENSING SYSTEMS

The Century® Series automated fluid dispensing system is capable of handling a wide range of industrial and electronic applications. The Century Series represents an evolution of the industry-preferred A-400 Series of fluid dispensers from Asymtek, providing low cost of ownership in a versatile, CE-approved package.

The Century Series integrates safety standards and automated fluid delivery in an attractive, ergonomic design. The system features a membrane front panel that is divided into functional areas of operation: Programming, Run, System Status and Safety Interlock. Programming is done with Asymtek's Fluidmove® software, an easy-to-use interface supporting the unique needs of fluid dispensing applications.

Model C-702 provides a 305 x 305 mm (12 x 12 in.) dispensing area. Model C-708 provides a 457 x 457 mm (18 x 18 in.) dispensing area. Absolute positioning accuracy of ±0.13 mm (0.005 in.) applies over the entire work area.

In addition, Century Series systems incorporate many automated fluid dispensing functions, including closed-loop velocity controlled auger pump valves, safety doors for interlock, system status lamps and 24 opto-coupled inputs/outputs.

A ground nickel-plated tooling plate and alignment bars allow for flexible part positioning. Users may add many dispensing options offered by Asymtek, such as an automatic vision system, height sensor, needle sensor, light curtains, a dual-action dispensing head, heated tooling and an ergonomically designed workstation.

STANDARD FEATURES

- **Excellent X-Y placement accuracy of 0.13 mm (0.005 in.)**
- **Key safety features meet CE standards**
- **Emergency stop button (E-STOP) quickly removes all system power**
- **ESD-resistant front doors with safety interlock**
- **Clear side panels and integrated lighting allow viewing of dispensing area**
- **Membrane front panel is resistant to corrosive fluids and easily cleaned**
- **Integrated I/O, with 24 user-accessible inputs and outputs**
- **Closed-loop velocity control on front panel**

Nordson
Electronics Systems

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CENTURY® C-702/C-708 SPECIFICATIONS:

DRIVE SYSTEM:

X-Y Axes Speed:	508 mm/s (20 in./s) max. 381 mm/s (15 in./s) default
Control:	Brushless DC Stepper Motor
System Repeatability:	±0.025 mm (0.001 in.)
System Resolution:	±0.025 mm (0.001 in.)
Placement Accuracy:	±0.13 mm (0.005 in.)
Z-Axis Speed:	203 mm/s (8 in./s) max. 51 mm/s (2 in./s) default
Z-Axis Repeatability:	±0.025 mm (0.001 in.)
Z-Axis Resolution:	±0.025 mm (0.001 in.)

DISPENSING AREA:

C-702:	305 x 305 mm (12 x 12 in.)
C-708:	457 x 457 mm (18 x 18 in.)

VALVES:

Valve selection subject to fluid properties and application.

OPTIONS:

Height Sensor:	Accuracy: ±0.025 mm (0.001 in.) Force: 4.5 grams (0.16 oz.)
Needle Sensor:	Automatic realignment of dispensing needle after replacement
Needle Heater:	Ambient to 100 °C with 3 °C accuracy Resolution: 1 °C
Computer:	Pentium®-based PC
Vision System:	AV-700 Targeting Offset Camera (picture in picture) AV-2550 Automatic Pattern Recognition System

FACILITIES REQUIREMENTS:

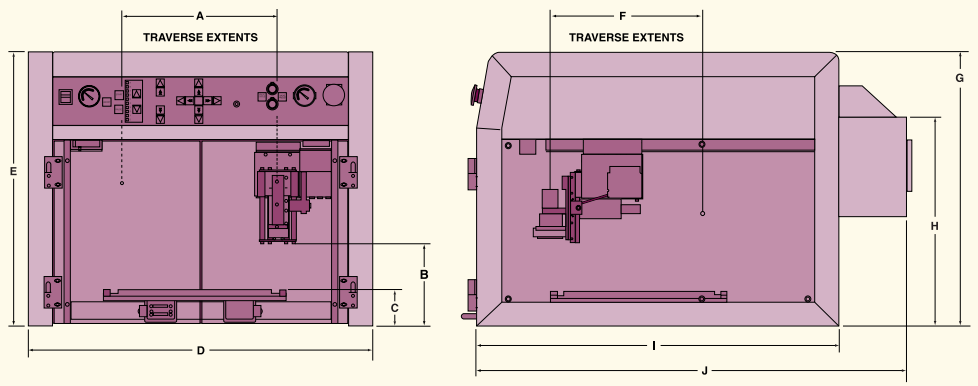
System Footprint:	See illustration.
Power:	100/120/220/240 VAC, 50/60 Hz, 200 Watts
Air Pressure:	690 kPa, (90 psi)
Air Volume:	28 liters/min. (1 CFM)
Noise:	<70 dBA
Environmental:	5-55 °C, 5-90% RH (below 40 °C)
Shipping Weight: (With Crate)	C-702: 200 kg (443 lb.) C-708: 228 kg (503 lb.) C-702 or C-708 with workstation: 389 kg (858 lb.)

OTHER OPTIONS:

Dual-Action Dispensing Head
Light Curtain Safety Interlock System
Vacuum Fixture/Heated Tooling Plate
Light Beacon
Low Air Pressure Alarm
System Hour Meter
Workstation

Additional options are available.
Contact us for further information.

Note: Dimensions are given as millimeters [inches]



	A	B	C	D	E	F	G	H	I	J
C-702	310 (12.2)	167 (6.57)	102 (4.00)	686 (27.0)	559 (22.0)	305 (12.0)	559 (22.0)	424 (16.7)	749 (29.5)	889 (35.0)
C-708	457 (18.0)	248 (9.75)	159 (6.25)	843 (33.2)	643 (25.3)	457 (18.0)	643 (25.3)	508 (20.0)	902 (35.5)	1041 (41.0)

Please contact these locations for the name of your local representative.

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All specifications are believed to be a true and accurate representation of system capabilities and are subject to change without notice.

Contact Asymtek for your specific application requirements.

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Nordson Electronics Systems