

# PROCESS PLATFORM: CENTURY® C-730 SERIES

## CENTURY® FLUX

### AUTOMATED SELECTIVE FLUX APPLICATION SYSTEM

The Century® Flux process platform provides automated, precise application of rosin and no-clean solder fluxes for a wide range of advanced semiconductor and board assembly operations including ball attach, ball-grid array (BGA), flip chip on board (FCOB), flip chip in package (FCIP), multi-chip modules (MCM), direct chip attach (DCA) and the attachment connectors and through-hole components on PCBs.

The Century Flux dispensing system is configured with the DJ-2200 DispenseJet® non-contact coaxial valve for accurate, repeatable application of flux with consistent film thickness. The DispenseJet valve allows 100% coverage with a minimal amount of flux, producing less residue to remove after reflow. For no-clean fluxes, reduction in residue results in better package reliability.

The Century Flux process platform is designed to integrate equally well into advanced semiconductor packaging and SMT lines. The system is ergonomically designed, compact and requires only a 914 x 1041 mm (36 x 41 in.) footprint. The fully enclosed, vented system includes safety interlocks and an emergency stop.

To enhance overall production integration, the Century Flux dispensing system is available in batch or in-line configuration and supports industry-standard SMEMA-compliant interfaces. The system's 3-axis motion control system, precision fluid control, and vacuum purge station ensure a high degree of accuracy throughout the dispensing cycle. Fluidmove® for WindowsNT® software and the teach camera allow users to quickly and efficiently build dispensing programs within a familiar Windows NT environment.



## FEATURES

- Fully automatic, in-line flux dispensing platform increases process speeds, reduces inspection and improves quality
- Selective application of fluxes improves material coverage and uniformity, eliminates masking and overspray
- The amount of flux dispensed is software controlled to accommodate different pitch flip chips on the same board
- Non-contact jetting eliminates Z-axis motion and maximizes productivity
- SMEMA compliant
- All-inclusive technical support for application, installation and training

Packaging - Processing

**Bid on Equipment**

1-847-683-7720

[www.bid-on-equipment.com](http://www.bid-on-equipment.com)

**Asymtek**  
A NORDSON COMPANY

# CENTURY® FLUX PLATFORM SPECIFICATIONS:

## DRIVE SYSTEM:

X- and Y-Axis Speed: 508 mm/s (20 in./s)  
 X- and Y-Axis Control: Brushless DC Stepper Motors  
 Z-Axis Speed: 203 mm/s (8 in./s)  
 System Repeatability: ±0.025 mm (0.001 in.)  
 System Resolution: ±0.025 mm (0.001 in.)

## VISION SYSTEM:

AV-700 Targeting Offset Camera (standard)  
 Light Ring LED  
 AV-2550 Pattern Recognition System (option)  
 Light Ring LED

## DISPENSING AREA:

In-Line: 508 x 365 mm (20 x 14.38 in.)  
 Batch: 508 x 457 mm (20 x 18.0 in.)

*Note: Camera offset from the valve reduces vision area relative to the dispense area.*

## COMPUTER/SOFTWARE:

Pentium®-based PC  
 Fluidmove® for WindowsNT®

## OTHER STANDARD FEATURES:

Vacuum Purge Station  
 Workstation  
 Light Beacon

## FLUID DELIVERY METHOD:

DJ-2200 DispenseJet® with syringe or external reservoir

## PART HANDLING CONFIGURATIONS:

In-Line: SMEMA compatible  
 Manual width adjustment to 394 mm (15.5 in.)  
 Speed programmable to 254 mm/s (10 in./s)  
 Batch: Tooling Plate  
 457 x 457 mm (18 x 18 in.)  
 Edge Fixtures

## FACILITIES REQUIREMENTS:

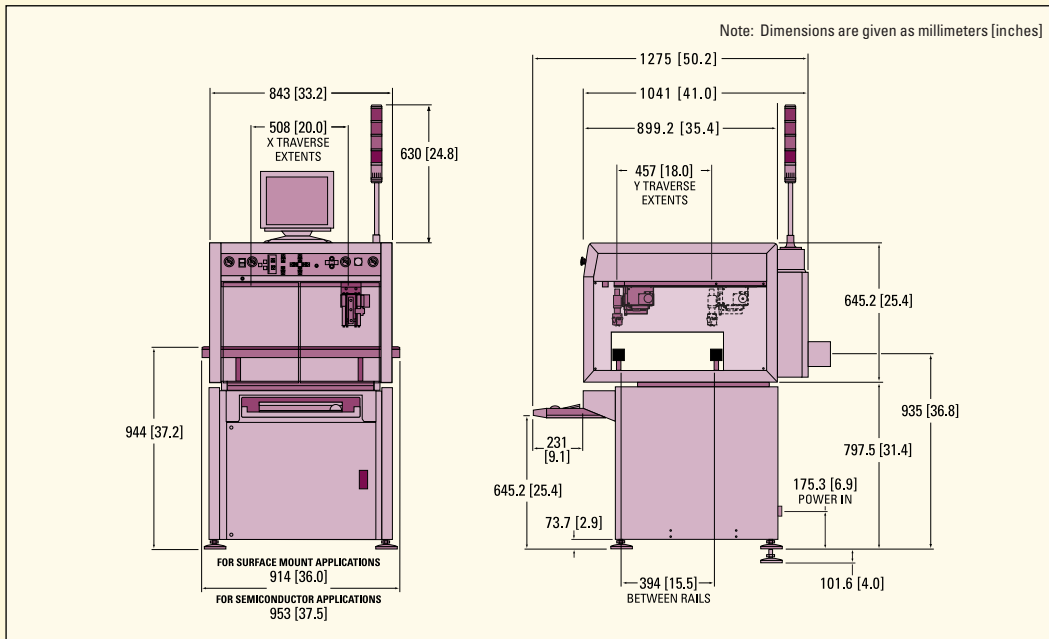
System Footprint: See illustration  
 Power: 100/120/220/240 VAC, 50/60 Hz, 10A  
 Air Pressure: 690 kPa. (6.9 Bar) [28 liters/min.] (90 PSI, 3 SCFM)  
 Noise: <70 dBA  
 Ventilation Air: 0.188m³/s (400 SCFM @ 1.0 in. water column)  
 Nitrogen Source: 80 psi (2-3 SCFM)  
 Weight: 295 kg (650 lbs.)

## OTHER OPTIONS:

Height Sensor  
 Hour Meter  
 Low Fluid Sensor with Reservoir option  
 SECSII/GEM Interface  
 Solvent Cup

*Additional options are available.  
 Contact us for further information.*

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



## HEADQUARTERS

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[www.nordson.com/electronics](http://www.nordson.com/electronics)

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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.