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**EFD**<sup>®</sup>

A NORDSON COMPANY

**QUALITY COSTS LESS.**



# Ultra<sup>®</sup> 2400 Series Dispensing Workstation

# Ultra 2400 Series

## Dispensing Workstation



Introducing the all new Ultra 2400 Series. When it comes to applying assembly fluids — from watery thin solvents to thick silicones and paste-like epoxies — these innovative systems provide the most complete control available today.

The compact cabinet requires minimal work space, yet packs a powerful punch both inside and outside the box. A unique air management and high-speed solenoid system work together for consistent deposit control. Work panels allow attachment of workstation lighting, ergonomic hand pieces, flexible syringe barrel mounting options or other beneficial tools for your specific application.

### Key Features

- ◆ All-digital, multi-function display with simultaneous readouts of air pressure, time and vacuum pullback
- ◆ Selectable password to lock out operator changes
- ◆ High speed solenoid for highly accurate deposits
- ◆ Universal power supply includes plug adapters for immediate use in any country
- ◆ Multilingual display, selectable on-site for English, French, German, Spanish, Italian, Japanese, Chinese or Korean
- ◆ Unique air management system provides rapid response and stabilizes cycle-to-cycle control
- ◆ Time increment adjustments as small as .0001 seconds for precise deposit control
- ◆ Selectable unit display — psi, bar or kPa for pressure; inH<sub>2</sub>O, inHg, kPa, mmHg or Torr for vacuum
- ◆ Easy to use “Teach” function for initial setup

### Models and Specifications

**2400:** 0 to 100 psi (0 to 6.9 bar); all fluids

**2415:** 0 to 15 psi (0 to 1.0 bar); watery fluids

**2405:** 0 to 5 psi (0 to 0.34 bar);  
micro deposits of very thin fluids

**Cabinet size:** 14.3 x 18.1 x 17.3 cm  
(5.63w x 7.12h x 6.82d")

**Weight:** 2.3 kg (5.0 lb)

**Cycle rate:** Exceeds 600 cycles per minute

**Time range:** 0.0001 to 999.9999 seconds

**AC input voltage:** 100 to 240 VAC

**AC input frequency:** 47 to 63 Hz

**End-of-cycle feedback circuits:** 5 to 24 VDC  
100 mA maximum

**Initiate circuits:** Foot pedal, finger switch or  
5 to 24 VDC signal

**Meets or exceeds CE and CSA requirements**

**Warranty:** 10 years

Note: Specifications and technical details are subject to change without prior notification.

# Productivity Tools

The Ultra 2400 Series offers a complete system. Choose from this list of optional tools to maximize your dispensing workstation.

## Flexible arm syringe barrel holder

Mounts to the work panels and adjusts to multiple heights and angles. #2429

## Stiff arm syringe barrel holder

Mounts to the work panels, holding the syringe barrel in a fixed position. #2434

## Ergonomic hand grip with finger switch/light

Finger switch activated by a built-in touch sensor with high-beam penlight to illuminate the dispensing area. Fits 3cc to 55cc syringe barrels. Patent# U.S. 6,938,795 B2. #2440FS

## Workstation lamp

Mounted on a flexible arm and fully adjustable. Provides targeted lighting for greater operator accuracy and comfort. #2437

## Safety shield

Mounted on a flexible arm and fully adjustable. Provides splash guard protection in areas where adhesives and toxic fluids are used. #2436

## Production extension shelf

Maximizes bench space and provides a flat work surface for other tools or dispenser stacking. #2443

## Magnifying lens

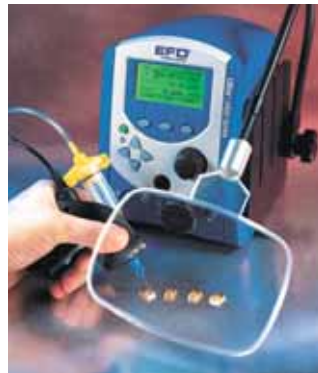
1.7x magnification ensures more accurate deposit placement, improves repeatability and reduces risk of operator strain. #2442

## I/O connector assembly

Allows easy connection to the Ultra 2400 dispenser for external control. One end has an 8 pin male DIN connector; opposite end connects to external devices. #2446

## Vacuum suck-back filter trap

Guaranteed to prevent fluid from being sucked back into the dispenser. Holds up to 30cc of fluid. #2435



Ultra 2400 with magnifying lens and finger switch



2400 dispenser with workstation lamp and flex arm barrel holder



Production extension shelf



Model 2400 shown with workstation lamp and finger switch



Hand grip with finger switch and built-in light

## Filter muffler

Designed for cleanrooms and other demanding production areas. Attaches to Ultra 2400 exhaust port and filters output air to meet Fed 209-B (0.5 micron particulates). #2400FT

## Five-micron regulator

Required for production areas where clean, dry, filtered factory air is not available, or to stabilize plant air supply for more consistent deposits. #2000F755

For dispensing cyanoacrylates, order the regulator with a coalescing filter that removes liquid aerosols from the air supply. #2000F756

## Vacuum pickup pen system

Convenient all-in-one vacuum generator and pen system makes it easy to pick-and-place small parts. #2455



**Request a free 30-day evaluation.**  
[www.efd-inc.com/eval](http://www.efd-inc.com/eval)

## Ultra Advanced Component System

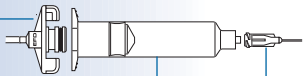
All EFD® Ultra dispensers and disposable components (syringe barrels, pistons and dispensing tips) are designed to work together as complete systems. When you combine high-quality Ultra components with an Ultra dispenser, you produce the most accurate, consistent fluid deposits possible.

- Industrial grade syringe barrels and SmoothFlow™ pistons provide a close-tolerance fit for controlled, drip-free fluid application.
- Precision molded tips are available in a wide variety of styles, sizes and lengths to match any dispensing application.
- All Ultra components are manufactured in EFD's own silicone-free US facilities, and are certified safe for industrial use.

For helpful recommendations, please contact a Fluid Application Specialist. For free samples, go to [www.efd-inc.com/samples](http://www.efd-inc.com/samples).



## Dispensing workstation includes

Input air hose, fittings, power cord set, omnidirectional foot pedal	✓
Cabinet-mounted barrel holder	✓
Ergonomic hand grip	✓
Adapter hose holder	✓
Quick Start Guide	✓
User's Guide	✓
(1) box of tip caps	✓
Select the following items at time of purchase:	
(1) Adapter assembly 	✓
(2) boxes of syringe barrels and pistons (same size)	✓
(2) boxes of dispense tips	✓
Memory settings	16
Shot counter	✓
Operator security lockout	✓
4th decimal time setting	✓
Accessory workstation panels	✓
Hand grip with finger switch and light	○
Flex arm barrel holder	○
Stiff arm barrel holder	○
Safety shield	○
Magnifying lens	○
Production extension shelf	○
Workstation lamp	○
Vacuum pickup pen system	○
Vacuum suck-back filter trap	○
Five-micron filter regulator	○
I/O connector assembly	○
Filter muffler	○

✓ = included    ○ = optional



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