# CONNECTED FIBERS

Connecting People To Quality Fiber Optic Technology

ISO 9001: 2008 REGISTERED COMPANY

# Features

- Step-Cure Capable
- Cooling system between cycles (optional)
- MT or Single-Fiber curing
- Flat to Angled internal tilt for Horizontal Curing
- Integrated Thermocouple in fixture for ideal calibration
- Networkable
- Touch screen interface
- Up to 999 programmable cure schedules for various fiber types

# Benefits

- Ramp curing to eliminate fiber cracking especially in Multi-Fiber or large core fibers
- Standardize on one epoxy
- Remote monitoring and programming of ovens
- Precision temperature control

# Applications

- Cable Assembly Fabrication
- Medical, Military, Specialized

## Also available:

**Piranha EPO-TEK 353ND Epoxy**

ISO 9001 QUALITY ASSURANCE

Call now to place your order:
1-866-899-7953

RoHS

## 1Cure Epoxy Oven
1Cure™ "The Intelligent Curing System"

**Connected Fibers introduces the industry's first intelligent curing oven, the 1Cure™,** for both horizontal (MT) and vertical curing applications. The patented 1Cure has both soak and ramp temperature profile curing capability. It features a 4" full color LCD touch-screen, network connectivity with remote programmability and access, and stores up to 999 programs.
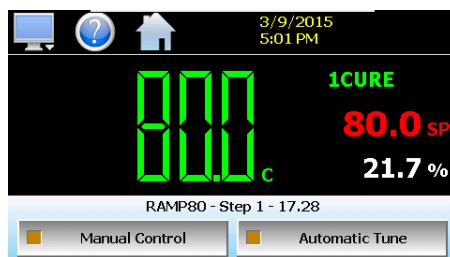
The temperature of the actual connector fixture is monitored and controlled rather than the traditional method of monitoring the hot plate eliminating temperature error. It is also available with an optional advanced cooling system for reducing cycle times between ramp cure profiles.

**Patent pending technology-** #62/058,270

**Engineered, Designed and Manufactured by Connected Fibers in the U.S.A.**

## Programmable, Full Color, Touch Screen Command Center

3/9/2015 5:01 PM
1CURE
80.0 SP
21.7 %
RAMP80 - Step 1 - 17.28
Manual Control    Automatic Tune

➢ Password protected user mode
➢ 4.3" Color touchscreen interface
➢ Alerts by text or email to assembler or manager when cycle is complete
➢ All user actions and alarms recorded into audit file
➢ User friendly icon or menu driven
➢ Store up to 999 programs
➢ Alerts for Alarms and Notifications
➢ Multilingual – up to 27 different languages

## Specifications

| | |
|---|---|
| Temperature Range (Hot plate temp) | Ambient +5°C to 155°C |
| Temperature Display Resolution | 4 digit / 0.1°C |
| Temperature Uniformity | +/-2°C |
| Temperature Accuracy | +/-2°C |
| Horizontal Curing | 0° / +15°/ -15° |

| | |
|---|---|
| Vertical Curing Capacity | 3 Blocks |
| Horizontal Curing Capacity | 24 MT Ferrule 36 LC |

US Patent # 9,829,648

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### Single or Multi-Fiber Curing

Convertible lid to support vertical curing

3 Block Vertical Curing Capacity

Integrated thermocouple in fixture to remove any calibration offsets between different fixtures

Unique cable clamping system with quick change inserts for various cable types and aids in cable management

Built in switch to monitor and control the hot plate or fixture temperature

Internal tilt mechanism to orientate angle of fixture plate for Horizontal or 15deg. angled curing position. Optional 15 degree wedge available to tilt in the forward direction.

OVB-HZMTIP-24 24 position MT Fixture with individual clamps

OVB-HZLC-36 36 position LC Fixture with spring latching

REMOVABLE STAINLESS STEEL COVER FOR CLEANING

OVB-15P-RBB-DOCK 15 position individual clamps for bare or ribbon fiber

24P-3MM-RD-DOCK and 24P-2MM-RD-DOCK for 3mm and 2mm round cable

Tel: 1-866-899-7953 • Fax: 678-623-0652 • Sales@ConnectedFibers.com • www.ConnectedFibers.com

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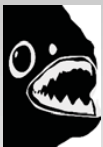
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## Ordering Information

| Model | Description |
|---|---|
| 1CURE-201 | Programmable Universal Curing Oven, 120V |
| 1CURE-201-CE | Programmable Universal Curing Oven, 220V CE Compliant |
| **Curing Trays and Blocks** | |
| OVB-HZMT-24 | 24-Port MT Tray for Horizontal Curing |
| OVB-HZMTIP-24 | 24-Port MT Tray for Horizontal Curing with individual clamps and removable top for easy clean up |
| OVB-HZUNV-24-UNV | 24 Port Universal – For use with FC, ST, ST and LC connectors |
| OVB-HZLC-36 | 36 Position Tray for LC connectors |
| OVB-HZLCU-36 | 36 Position Tray for LC Uniboot connectors |
| OVB-24-3SET | Qty 3 24 Port Universal Vertical Curing Oven Blocks |
| OVB-20-3SET | Qty 3 20 Port Universal Vertical Curing Oven Blocks Compatible with OFS or TE Curing Adapters |
| **Curing Trays and Blocks** | |
| 24P-3MM-RD-DOCK | 24 Position Cable Clamp for Round Cable diameter 2.9mm-3.8mm |
| 24P-2MM-RD-DOCK | 24 Position Cable Clamp for Round Cable diameter 2mm |
| 24P-UNV-RD-DOCK | 24 Position V-Groove style cable holder, accepts diameters from 1.6mm to 3mm |
| 36P-UNV-RD-DOCK | 36 Position V-Groove style cable holder, accepts diameters from 1.6mm to 3mm |
| 15P-RBB-DOCK | 15 individual clamps for ribbon or bare fiber applications, each position capable of clamping on 2 fibers or ribbons |

** Additional Blocks & Accessories are available**

Cable Management Accessory (ASC-1000-202)