SmartDispenser®

SSDAV High Torque Fiber Optic Automation Intergration Kit(SDIK™)

SSDAV-HT-FO-SDIK™

SmartDispenser®
Super Small Dot Any Viscosity
Use this model for encapsulating fiber optic connectors, ideal for a blind fill into the fiber optic connector ferrule. The SmartDispensers® patented ProcessControl²® was designed to provide the highest repeatability, from one dispense to the next, single component adhesive and two component epoxy.
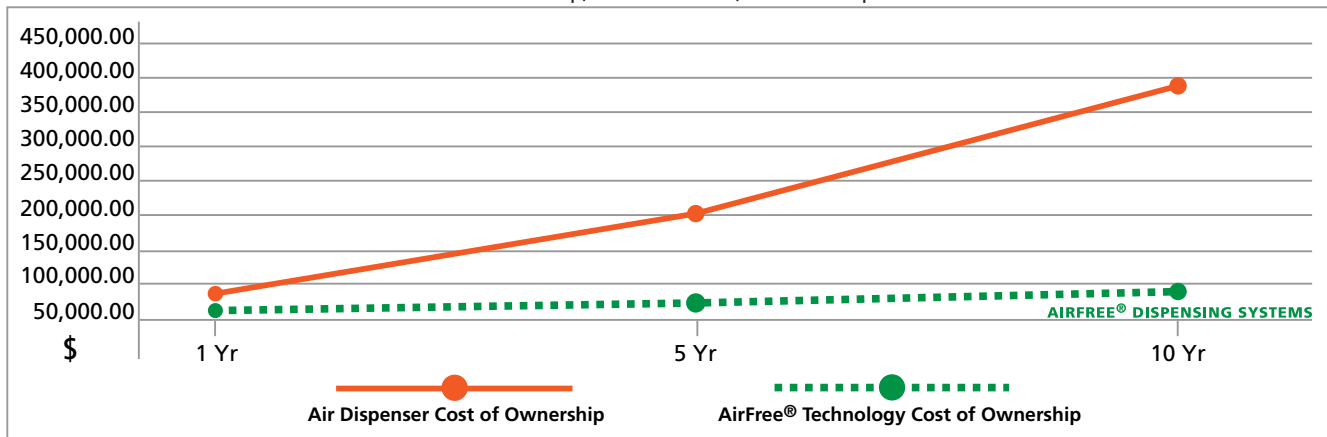
AirFree® Technology

The SmartDispenser® SSDAV-HT-FO Benchtop System is ideal for dispensing epoxies for bonding glass fiber to ceramic ferrules. The ProcessControl²® program, manages two part epoxies, such as 353ND, and other fiber optic assembly fluids so each ferrule is filled without over flow or air gaps.

Traditional air pressure systems lack the repeatability from one fluid deposit to the next needed for fiber optic connector assembly. AirFree® technology stabilizes the fluid dispensing process providing the highest repeatability when compared to any fluid dispenser.

Total Cost of Ownership

AirFree® Technology Adds Profits When Replacing Air Driven Systems

Cost of ownership, Air vs. AirFree®, one fluid dispenser

Air Dispenser Cost of Ownership   AirFree® Technology Cost of Ownership

AIRFREE® DISPENSING SYSTEMS

FISHMAN®
Dispensing Innovation®

SmartDispenser®

SSDAV-HT-FO-SDIK™ Super Small Dot Any Viscosity

SYRINGES SIZE	3CC	5CC	10CC
MIN.VOL. (CC)	.00011	.00019	.00031
MAX. VOL. (CC)	3.0	5.0	10.0
MIN. RATE (CC/SEC)	.003	.005	.008
MAX. RATE (CC/SEC)	.065	.114	.188
MAX. BACKOFF (STEPS)	500	500	500
MAX. DELAY (SEC)	9.99	9.99	9.99

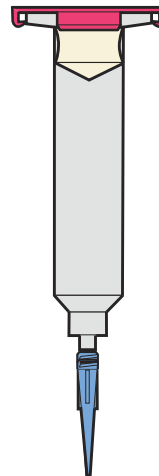**The SmartDispenser® SSDAV-HT-FO-SDIK™ (3-10cc) comes with 3-10cc Dispense Gun and 3, 5, 10cc Retaining Rings.**

SYRINGES SIZE	30CC
MIN.VOL. (CC)	.00062
MAX. VOL. (CC)	30.0
MIN. RATE (CC/SEC)	.015
MAX. RATE (CC/SEC)	.370
MAX. BACKOFF (STEPS)	500
MAX. DELAY (SEC)	9.99

The SmartDispenser® SSDAV-HT-FO-SDIK™ (30cc) comes with 30cc Dispense Gun and 30cc Retaining Rings.

Genius® FO Dispensing Components

Genius® dispensing components have a thick wall design eliminating flexing and a zero draft assuring smooth flow. Disposable design eliminates the use of harmful cleaning agents such as mek or acetone. The polypropylene reservoir protects assembly workers from coming in contact with harmful assembly fluids. When empty the capped syringe acts as a sealed container making disposal easier and safer.

Hiflow™ dispense tips are made from 19g (.042"- O.D.) and 20g (.035"- O.D.) which fit perfectly into the fiber optic ferrule's port. The inner diameter of both tips are 15% larger allowing for a higher flow rate of fluid which eases the ferrule filling process.
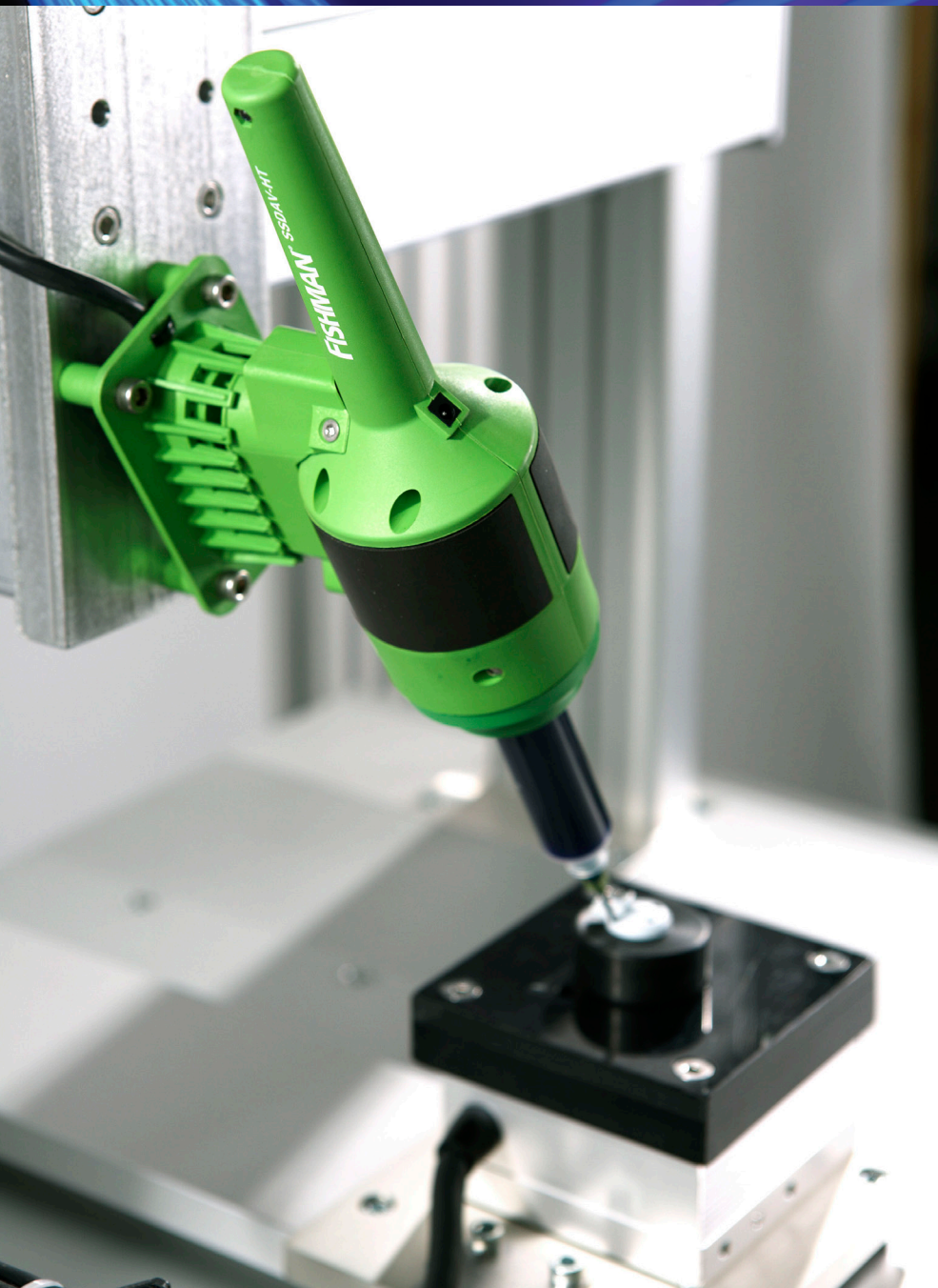
THE SMARTDISPENSER® SSDAV-HT-FO-SDIK™ 3–30CC DISPENSE STARTER KIT CONTENTS

- Foot Pedal
- Keyboard
- Mouse
- Earphone
- Video Camera
- Cisco Wireless Connectivity Device
- Needle Kit
- Manuals
- Power Supply Connection
- Universal Power Supply

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FISHMAN®
Dispensing Innovation®

SmartDispenser®

SSDAV High Torque Fiber Optic Automation Intergration Kit(SDIK™)

SPECIFICATIONS

Usage:	Indoor use
Altitude:	Up to 2000m
Temperature:	0˚ to 40˚ C
Maximum Relative:	80% for temperatures up to 31˚ C decreasing linearly to
Humidity:	50% relative humidity at 40˚ C
Mains Supply Voltage Fluctuations:	Not to exceed ±10%
Installation Overvoltage:	Category II
Pollution:	Degree 2, Class 1
Input Voltage:	100-240 VAC 47-63Hz
Max Inrush Current:	3.2A-1.8A
Output Voltage:	5.0VDC
Output Power:	4.6W
Fuse Rating:	1.0A/250 VAC
Initiate Circuit:	PLC Input
Drive Motor:	SSDAV-HT-FO-SDIK™ .9 Degree 400 Steps/Rev
Axial Movement:	SSDAV-HT-FO-SDIK™ .24 Axial Pitch .00006"/Step
Control Circuitry:	CMOS microprocessor
Interface:	DVI Monitor/Keyboard/Mouse
Minimum Dispense Volume:	0.00011ml

CONTROL CENTER

Size:	5.6 x 9.9 x 6.3in (14.23 x 25.15 x 16cm)
Weight:	4.7lbs (2.13 kg)

GUN

Length:	7in (17.8cm)
Weight:	10.6oz (301 gr)
Cable Length:	30 feet (914.4cm)

What makes the SmartDispenser® so smart?
The combination of 3 powerful platforms.

AIR-FREE MANUFACTURING
- One program – worldwide
- Closed-loop feedback
- 6-10X more repeatable than pneumatics
- Volume base numeric dispensing
- Positive displacement via stepper motor
- Firmware proven for over a decade
- Eliminates expensive air compressor
- Designed to integrate into automation systems using PLCs

WINDOWS 7 NETWORKING
- SD Device to MES System Networking
- Remote programming and lock out
- Real time production data
- Live video feed
- Auto e-mail of unauthorized program changes
- On screen work instruction (audio option)
- Connectivity between SmartDispensers® Desktop, Laptop and Smartphone.
- Video/Audio training and tutorials

SMARTPHONE FUNCTIONALITY
- Touch screen
- Finger gesturing controls
- MES Networking Apps
- Custom Manufacturing Apps

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