SmartDispenser®
SSDAV High Torque Automation Integration Kit (SDIK™)

SSDAV-HT-SDIK™

SmartDispenser® SDIK™
Super Small Dot Any Viscosity
Use this model for dispense volumes between .00011 & 30cc, ideal for small dot and long bead dispensing. For use with industrial grade Genius® reservoirs and dispense tips.
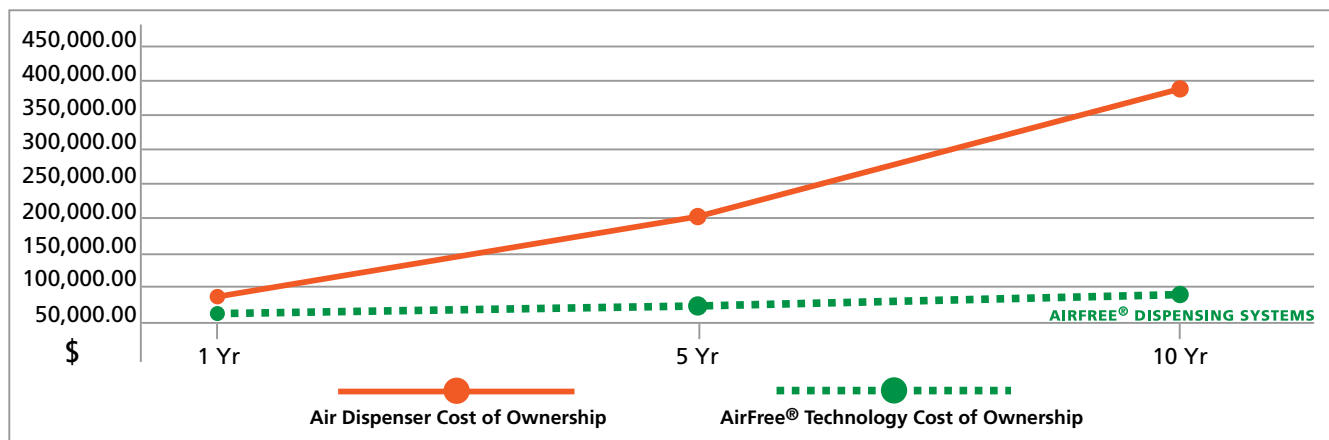
AirFree® Technology & Automation

AirFree® technology acts as an additional axis when mounted on a benchtop automation system. The precise control engineered into the X, Y and Z axis is now applied to the fluid delivery axis. All axes are motor driven lead screws with known speeds and can be coordinated providing the highest precision and repeatability available on a benchtop robot.

Total Cost of Ownership

AirFree® Technology Adds Profits When Replacing Air Driven Systems

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

AIRFREE® DISPENSING SYSTEMS

Air Dispenser Cost of Ownership   AirFree® Technology Cost of Ownership

FISHMAN®
Dispensing Innovation™

SmartDispenser® SSDAV High Torque Automation Integration Kit (SDIK™)

SSDAV-HT-SDIK™ Super Small Dot Any Viscosity

SYRINGE 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-SDIK™ (3-10cc) comes with 3-10cc Push-To-Connect™ Dispense Gun and 3, 5, 10cc Retaining Rings.

SYRINGE 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-SDIK™ (30cc) comes with 30cc Push-To-Connect™ Dispense Gun and 30cc Retaining Rings.

Genius® Dispensing Components deliver advanced dispensing performance

Fishman's dispensing system components are designed specifically for industrial use, achieving optimized performance from AirFree® dispensing systems.
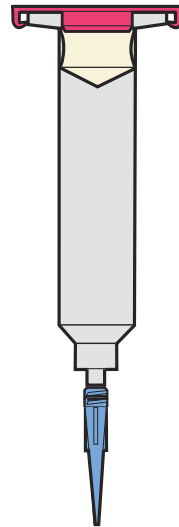
Barrel Reservoirs (available in 4 sizes)
- Thickwall design eliminates flexing
- Precision molded zero degree taper assures smooth flow
- Disposable design eliminates need for cleaning PosiLok™ Pistons
- Enclosed chambers protect workforce from contacting assembly fluid.

PosiLok™ Pistons
- AirFree® design featuring patented positive lock piston attachment for positive displacement dispensing
- Precision molded for smooth flow and uniform advance
- Engineered to allow trapped air to escape while sealing in vapors and fluid Dispensing tips (available in 3 styles)

Dispensing Tips (available in 5 styles)
- Ergonomic Surlock™ design locks securely to the barrel with a simple twist
- Multiple sizes and lengths available to satisfy any dispensing application

Fishman Corporation manufactures in a Certified Silicone-Free environment, achieving close tolerance precision in an industrial grade system. Contact our Fluid Dispensing specialists to take advantage of our experience with thousands of successful applications and to pick the right components for your specific application needs. For free samples, go to www.fishmancorp.com/samples.

SSDAV-HT-SDIK™ SMARTDISPENSER® APPLICATIONS

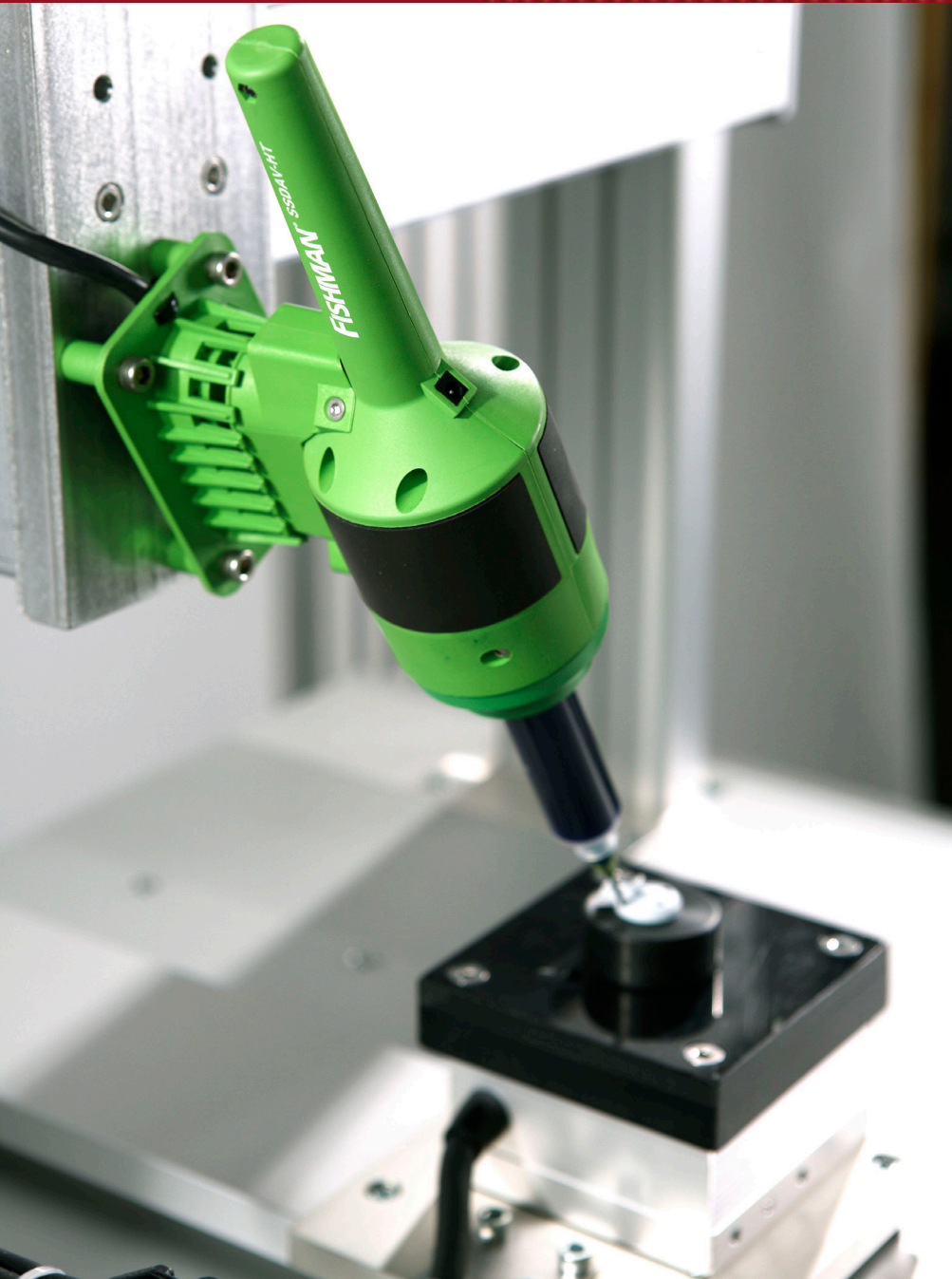|	
Thick pastes	•
Thin watery fluids	*
Thin cyanoacrylates	x
Solder paste	*
Pre-mixed and frozen	*
Microdots	*
Bonding and gluing	*
Potting and filling	x
Beading and stripping	*

* Recommended   • Satisfactory   **x** Do not use

SMARTDISPENSER® SSDAV-HT-SDIK™ 3–30CC DISPENSE STARTER KIT CONTENTS

- Finger Switch
- USB Extension Cable
- Push-To-Connect Gun
- Video Camera
- Cisco Wireless Connectivity Device
- Needle Kit
- Manuals
- Power Supply Connection
- Universal Power Supply

FISHMAN®
Dispensing Innovation™

SmartDispenser® SSDAV High Torque Automation Integration 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-SDIK™ .9 Degree 400 Steps/Rev
Axial Movement:	SSDAV-HT-SDIK™ .024 Axial Pitch .00006″/Step
Control Circuitry:	CMOS microprocessor
Interface:	DVI Monitor/Mouse/Keyboard
Minimum Dispense Volume:	0.00011ml

CONTROL UNIT

Size:	2.95 x 7.85 x 4.94in (7.5 x 20 x 12.6cm)
Weight:	3lbs (1.36kg)

GUN

Length:	7in (17.8cm)
Weight:	11oz (312gr)
Cable Length:	30 Feet Detachable (9.144m)

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

FISHMAN®
Dispensing Innovation™