



# Pencil Gun Fiber Optics System

## SmartDispenser® 3, 5, 10 & 30cc Pencil Guns

Use these pencil guns for encapsulating fiber optic connectors. All four are especially suited for blind filling into fiber optic connector ferrules. The precision of these pencil guns is assured thanks to the SmartDispenser®'s patented AlgorithmicControl™. It provides the highest repeatability, from one dispense to the next, whether the application calls for a single component adhesive or a two component epoxy.



## AlgorithmicControl™

AirFree® Technology

The SmartDispenser® Fiber Optics Benchtop System is ideal for dispensing epoxies for bonding glass fiber to ceramic ferrules. AlgorithmicControl™ helps to manage two part epoxies and other fiber optic assembly fluids, making certain each ferrule is filled without overflow or air gaps.

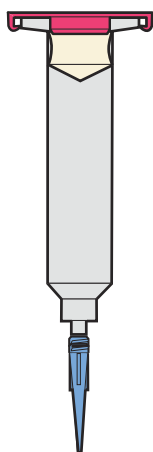
Traditional air pressure systems simply cannot deliver repeatability from one fluid deposit to the next crucial for fiber optic connector assembly. AirFree® Technology from Fishman® Corporation stabilizes the fluid dispensing process, providing the highest repeatability when compared to other fluid dispensers on the market today.



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## Genius® Dispensing Components

Genius® dispensing components offer a thick wall design that eliminates flexing and promotes a zero draft that assures smooth flow. The disposable design of these dispensing components also does away with the need and use of harmful cleaning agents such as MEK or acetone. Moreover, the polypropylene reservoir protects assembly workers from coming in contact with harmful assembly fluids. Plus, when empty, the capped syringe acts as a sealed container making disposal easy and safe.



**Genius® Components**  
 AirFree® Technology


For more information on Fishman's® many innovative fluid dispensing solutions, including the Pencil Gun Fiber Optics System, please contact a sales representative at 800-433-2115.

## Pencil Gun Micro Dot – Any Viscosity

Barrel Size	3CC	5CC	10CC	30CC
MIN. VOL. (CC)	.00006	.00010	.0005	.00098
MAX. VOL. (CC)	3.0	5.0	10.0	30.0
MIN. RATE (CC/SEC)	.001	.002	.012	.024
MAX. RATE (CC/SEC)	.033	.0053	.298	.586
MAX. BACKOFF (STEPS)	500	500	500	500
MAX. DELAY (SEC)	9.99	9.99	9.99	9.99

The SmartDispenser® Pencil Gun comes with 3, 5, 10 & 30cc Retaining Rings.

## Specifications

Usage:	Indoor Use
Altitude:	Up to 2000m
Temperature:	0° to 40° C
Maximum Relative Humidity:	80% for Temperatures up to 31°C Decreasing Linearly to 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:	4.6W
Output Power:	5.0 VDC
Fuse Rating:	1.0A/250 VAC
Initiate Circuit:	Foot Pedal (dry contact) finger switch
Drive Motor:	15 Degrees / 400 Steps/Rev
Gear Head:	64:1
Axial Movement:	24 Axial Pitch / .00003"/Step
Control Circuitry:	CMOS Microprocessor
Interface:	Touchscreen or Keyboard/Mouse
Minimum Dispense Volume:	.00006cc
<b>Control Center</b>	
Size:	5.6 x 9.9 x 6.3 in (14.23 x 25.15 x 16cm)
Weight:	4.7lbs (2.13 kg)
<b>Gun</b>	
Length:	5.12 in (13.00cm)
Weight:	5.22 oz (148gr)
Cable Length:	3 feet (91.5cm)


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**AirFree® Technology**
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