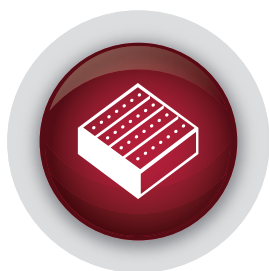


The Complete System for True Automation


SmartApp™
 AirFree® Technology


SmartReload™
 AirFree® Technology


ConnectorMount™
 AirFree® Technology


AlgorithmicControl™
 AirFree® Technology


By combining AlgorithmicControl™ with the LC/MT/SC Genius™ Precision ConnectorMount,™ the High Precision Benchtop Robot, the SmartReload™ Station and the Fiber Optic Connector SmartApp™, Fishman® has created a superior solution that makes certain each fiber optic connector is filled precisely, cycle after cycle.

 [Watch Video](#)

How the System Works



Acts as the Command Center for the Fiber Optic Benchtop Automation System

The SmartDispenser® with AlgorithmicControl™ is the industry's only intelligent fluid dispensing system.

- **As Such, It Supplies the Exact Amount of Epoxy to Each Fiber Optic Connector**
 - It does this by knowing the syringe size
 - It does this by knowing the exact fluid deposit volume
 - It does this by knowing the fluid delivery speed
 - It does this by knowing how much post dispense reverse motion
 - All this ensures exact replication
- **Plus, It Will Notify Operator When Syringe Reservoir is Empty and Stop Robot**

AirFree® Technology processes this information by applying algorithmic directives to the linear drive system. This enables the mechanical linear drive system with a cylinder (syringe) containing epoxy to dispense its fluid deposits accurately with the highest degree of repeatability.

How the System Works



Acts as the Connector Location Tool for the Fiber Optic Benchtop Automation System

The Precision ConnectorMount™ Holds LC, SC or MT Fiber Optic Connectors in a Fixed Position.

- Its design allows for the fluid dispense tip to be guided into the connector center tube in preparation for the application of assembly fluid, which assures unparalleled precision

How the System Works



Acts as the Monitoring System for the Fiber Optic Benchtop Automation System

The LC, MT and SC Connector SmartApp™ Monitors Amount of Fluid in the Syringe Reservoir.

- This SmartApp™ monitors how many fiber optic connectors are in a complete ConnectorMount™
 - This SmartApp™ monitors how much epoxy is dispensed into each fiber optic connector
 - This SmartApp™ assures that each fiber optic connector in a ConnectorMount™ is 100% filled. It also will not allow a ConnectorMount™ to be partially filled

The LC, MT and SC Connector SmartApp™ Monitors Epoxy Cure Time.

- This SmartApp™ will automatically stop the robot and notify the operator when the epoxy cure time has expired
 - This SmartApp™ will hold the robot stop communication signal until each fiber optic connector in a ConnectorMount™ is 100% filled. It also will not allow a ConnectorMount™ to be partially filled

How the System Works



Acts as the Rapid Syringe Changeover Station for the Fiber Optic Benchtop Automation System

The SmartReload™ Station Reduces Syringe Changeover Downtime From Approximately 9 Minutes to 40 Seconds.

- Allows the AirFree® LinearDrive™ System (LDS) Dispense Guns, with syringe fluid reservoir, to be loaded while the automation cell is assembling fiber optic connectors
- Increases production throughput while dramatically lowering the cost of typical hand-held benchtop assembly lines
- Moreover, as part of a Fishman® Fiber Optic Benchtop Automation System, a single SmartReload™ Station can service multiple cells

[!\[\]\(faf942dc3e59ce8eb64b4ac481eca7e0_img.jpg\) Watch Video](#)

Automating Fiber Optic Connector Assembly

System Ordering Options

OPTION 1

DAA0041 — Fiber Optic Benchtop Automation System Includes:

- SmartDispenser® AirFree® Fluid Dispensing System
- High Precision Benchtop Robot
- LC, MT, SC Fiber Optic Connector SmartApp™
- SmartReload™ Station includes:
 - SmartDispenser® AirFree® Controller
 - SmartDispenser® AirFree® Controller Table Mount
 - SmartDispenser® Gun Tray
 - Dispense Tip Locator
 - USB Memory Stick
 - Genius™ Syringe Holding Rack
 - SmartDispenser® LDS Dispense Gun

TBD Genius™ Precision ConnectorMount™

- Custom Design to a Specific Fiber Optic Connector
- Part Number Assigned at Time of Design

OPTION 2

DAB0041 — Fiber Optic Benchtop Automation System Includes:

- SmartDispenser® AirFree® Fluid Dispensing System
- High Precision Benchtop Robot
- LC, MT, SC Fiber Optic Connector SmartApp™
- Floor Standing Safety Glass Enclosure for FO Benchtop Automation System
- SmartReload™ Station includes:
 - SmartDispenser® AirFree® Controller
 - SmartDispenser® AirFree® Controller Table Mount
 - SmartDispenser® Gun Tray
 - Dispense Tip Locator
 - USB Memory Stick
 - Genius™ Syringe Holding Rack
 - SmartDispenser® LDS Dispense Gun

TBD Genius™ Precision ConnectorMount™

- Custom Design to a Specific Fiber Optic Connector
- Part Number Assigned at Time of Design

OPTION 3

DAC0041 — Fiber Optic Benchtop Automation System Includes:

- SmartDispenser® AirFree® Fluid Dispensing System
- High Precision Benchtop Robot
- LC, MT, SC Fiber Optic Connector SmartApp™
- Floor Standing Safety Glass Enclosure for FO Benchtop Automation System
- Laser Light Curtain
- SmartReload™ Station includes:
 - SmartDispenser® AirFree® Controller
 - SmartDispenser® AirFree® Controller Table Mount
 - SmartDispenser® Gun Tray
 - Dispense Tip Locator
 - USB Memory Stick
 - Genius™ Syringe Holding Rack
 - SmartDispenser® LDS Dispense Gun

TBD Genius™ Precision ConnectorMount™

- Custom Design to a Specific Fiber Optic Connector
- Part Number Assigned at Time of Design

Note: Genius® Precision ConnectorMounts™ are custom quoted. A ballpark price range is included for budgetary purposes and is not fixed. Complexity of the fiber optic connector will determine final price.

How to Purchase



Contact Your Fishman® Account Manager

Step 1

- Send a .stp or .igs file of your fiber optic connector to your Fishman® Account Manager
- In lieu of a file, send samples of your fiber optic connector to your Fishman® Account Manager

Step 2

- Fishman® Engineers will design a custom fiber optic ConnectorMount™ for your fiber optic connector
- A quote for the ConnectorMount™ will be provided by your Fishman® Account Manager

Step 3

- Choose the Fiber Optic Benchtop Automation Station; Option 1, Option 2 or Option 3
- A quote for will be provided by your Fishman® Account Manager

Step 4

- Place your Purchase Order(s)

It's That Easy!