

CleanBlast™ System—Portable

Advanced Fiber Optic Connector End Face Cleaning System



CleanBlast System—Portable
with FBP Probe and 6.4-in LCD

Key Features

- Provides rapid, controlled, and repeatable cleaning and removal of contamination from fiber end faces
- Uses a precise non-contact *air-solvent-air* mixture/sequence to blast and remove contamination particles
- Cleans faster, more effectively, and more economically per clean than conventional methods
- Offers a comprehensive selection of precision cleaning tips and adapters
- Encased in rugged Pelican® transport case
- Input for optional FBP probe microscope and 6.4-inch LCD display for fiber inspection capability

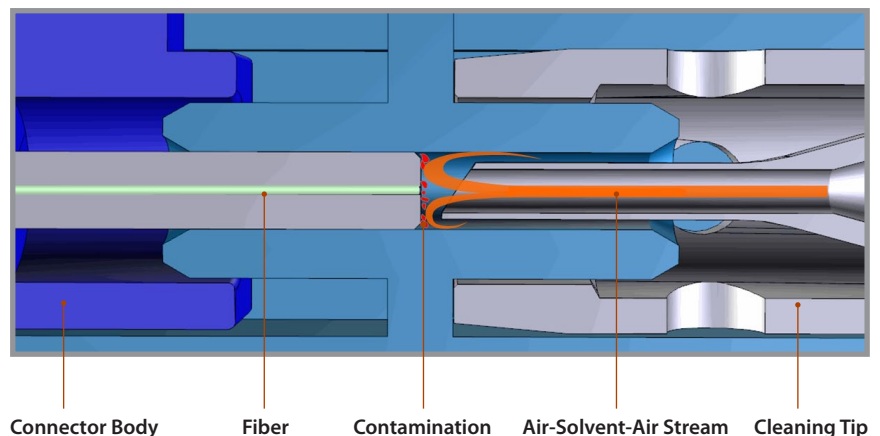
Applications

- Clean various types of both *male* (patch cord) and *female* (bulkhead) connector ends, including SC, FC, LC, ST, E2000, MPO, MTP®, MPX, MT, and SMA
- Quickly and easily remove contamination, dust, lint, oil, and other forms of debris from fiber optic end faces
- Clean multiple configurations and connector types with interchangeable precision cleaning tips and adapters

CleanBlast System

The patented JDSU CleanBlast fiber end face cleaning systems provide a fast, effective, and cost-efficient solution for removing dirt and debris from connectors in most common applications. CleanBlast is a non-contact system that uses a highly filtered stream of pressurized gas with a vacuum circuit to create a high flow rate jet across the surface of the fiber. A 30- μ l cleaning solvent is injected into the airflow, and the contamination from the end face along with the solvent are then removed through the retrieval circuit. **The precise, highly efficient non-contact *air-solvent-air* stream blasts and removes contamination with nearly 100-percent effectiveness.**

Non-Contact Cleaning Illustration



Benefits

- Fast, repeatable, more effective, and more cost-efficient per clean than other cleaning methods
- Eliminates user sensitivity and error
- Removes, rather than spreading or smearing, loose debris from fiber end faces with a push of a button
- Input for optional FBP probe microscope and 6.4-inch LCD enable fiber inspection capability
- Optional USB 1.1 output enables operation with basic FiberChek fiber analysis software

FCLT Cleaning Tips

JDSU offers a complete selection of precision cleaning tips and adapters for every connector and application, including SC, FC, ST, LC, MU, E2000, and MPO/MTP connectors.

Overview

JDSU portable CleanBlast systems include a mobile base unit (built-in compressor) housed in a durable, rugged Pelican™ transport case with a handset connected to a 5-ft umbilical for optimal reach. Precision cleaning tips are available for both male (patch cord) and female (bulkhead) connectors for various connector types, including SC, LC, FC, ST, E2000, MPO, MPX, MT, and SMA. All models include an input port for a separate probe microscope for fiber inspection capabilities, and a video output for connecting to an external monitor or to a mounted liquid crystal display (LCD). Digital systems feature an additional universal serial bus (USB) output for viewing the fiber image on a PC/laptop.

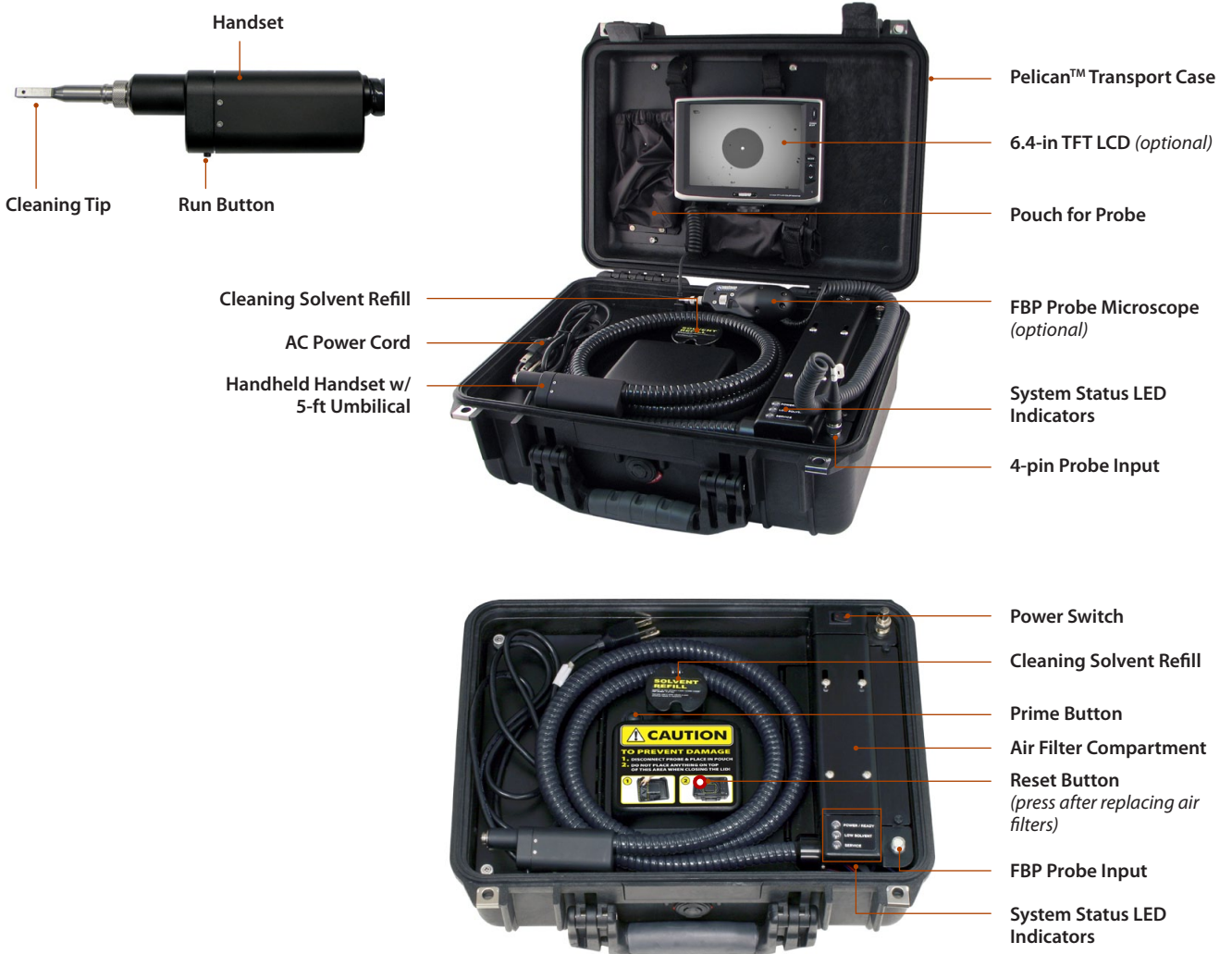
The system's cleaning solvent reservoir holds enough solution for at least 8,000 cleaning cycles. The solvent refill process is simple and spill-resistant. A built-in safety feature prevents the handset from accidentally triggering the system. It also monitors solvent levels and the safety switch, and it features a series of light emitting diodes (LEDs) to indicate system status.



CleanBlast vs. Traditional Swab/Stick

	Before	Clean	After
CleanBlast			
Swab/Stick			

Components and Functions



CleanBlast—Portable Specifications

Dimensions	40 x 33 x 18 cm (16 x 13 x 7 in)
Weight	9.5 kg (21 lbs)
Power requirements	100–240VAC, 2Amp
Air source	Internal compressor, regulated output 40 psi.
Solvent consumption	At least 8,000 cleaning cycles per refill
Maintenance	100,000 cycles per air filter change, 2 x 0.01 micron air filters required (included and installed)
Video output	BNC or DIN connector to optional LCD
Digital output	Optional USB 1.1 input for USB module and probe for digital fiber inspection
Cleaning cycle time	5 seconds

Ordering Information

FCL-P1005	Kit: CleanBlast—portable; dual-mag (200/400X) FBP probe microscope; 6.4-in TFT LCD; FBPT inspection tips (8): SC, SC-APC, FC, ST, LC bulkhead tips and universal 2.5 mm UPC, 2.5 mm APC, 1.25 mm UPC patch cord tips; cleaning tips and adapters (4): universal 2.5 mm, 1.25 mm bulkhead tips and 2.5 mm, 1.25 mm patch cord mating adapters
FCL-P1000	CleanBlast—portable with 5-ft umbilical bulkhead handset; universal 2.5 mm cleaning tip
FCL-P1002	CleanBlast—portable with 5-ft umbilical bulkhead handset; universal 2.5 mm cleaning tip; 6.4-in TFT LCD
FCL-P1100	CleanBlast—portable with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip
FCL-P1100-08	CleanBlast—portable with 8-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip
FCL-P1100-EU	CleanBlast—portable with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; EU power supply
FCL-P1100-UK	CleanBlast—portable with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; UK power supply
FCL-P1102	CleanBlast—portable with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; 6.4-in TFT LCD
FCL-P1102-EU	CleanBlast—portable with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; 6.4-in TFT LCD; EU power supply
FCL-P2100	CleanBlast—portable with 5-ft umbilical 90-degree bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip
FCL-P2102	CleanBlast—portable with 5-ft umbilical 90-degree bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; 6.4-in TFT LCD
FCL-P6100	CleanBlast—portable with backplane wand for motherboard; USB 1.1 output
FCL-P6102	CleanBlast—portable with backplane wand for motherboard; USB 1.1 output; 6.4-in TFT LCD

Test & Measurement Regional Sales

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