CLEANING

CLEANBLAST PORTABLE SYSTEM

Tech Optics Ltd
Distributor of Fibre Optic Products

JDSU

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
Video output	NTSC (BNC) or DIN connector to optional LCD
Digital output	Optional USB 1.1 output (includes USB cable and FiberChek software)
Cleaning cycle time	5 seconds

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 fibre end faces with a push of a button

Input for optional FBP probe microscope and 6.4-inch LCD enable fibre inspection capability

Optional USB 1.1 output enables operation with basic FiberChek fibre analysis software

The patented JDSU CleanBlast fibre 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 fibre. A 30-µl 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.

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 fibre 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 fibre 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

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also monitors solvent levels and the safety switch, and it features a series of light emitting diodes (LEDs) to indicate system status.

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	Kit with 5-ft umbilical bulkhead handset; universal 2.5 mm cleaning tip
FCL-P1002	Kit with 5-ft umbilical bulkhead handset; universal 2.5 mm cleaning tip; 6.4-in TFT LCD
FCL-P1100	Kit with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip
FCL-P1100-08	Kit with 8-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip
FCL-P1100-EU	Kit with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; EU power supply
FCL-P1100-UK	Kit with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; UK power supply
FCL-P1102	Kit with 5-ft umbilical bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip; 6.4-in TFT LCD
FCL-P1102-EU	Kit 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	Kit with 5-ft umbilical 90-degree bulkhead handset; USB 1.1 output; universal 2.5 mm cleaning tip
FCL-P2102	Kit 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	Kit with backplane wand for motherboard; USB 1.1 output
FCL-P6102	Kit with backplane wand for motherboard; USB 1.1 output; 6.4-in TFT LCD