UC-PVS-III
Projectile Verification System

Guarantees a projectile is never left inside a hose or tube that has been cleaned!

Control Station

Containment Barrel

Features & Benefits

- Intuitive touchscreen allows for easy navigation and set-up in multiple languages.
- (3) Three Cleaning Modes with time-adjustable air blow.
- Capable of logging data such as projectile counts and faults to monitor that none are left inside a hose or tube that has been cleaned.
- Green light on Containment Barrel goes on and air blow automatically stops when cleaning process is complete and projectile is verified.
- Employs an electronic foot switch to activate the firing sequence of the UC-BM1.25 (1/8" through 1-¼") Bench Mount Launcher.
- The UC-HL-PVS (1/8" – 2") Electronic Hand Held Launcher can be fired by either the electronic foot switch or built-in electronic trigger.
- Optional remote monitoring (ethernet-based)

Air Requirements

- 80 PSI (5.5 Bar) minimum to 110 PSI (7.5 Bar)maximum.
- UC-D1 Super-Dry Compressed Air Dryer strongly recommended.

Containment Barrel

- Catches and verifies that the projectile and contamination have been expelled.
- Includes a wheeled dolly for ease of use.
- Large filter allows compressed air to escape while retaining contamination residue.
- Built-in sight gauge indicates when system needs emptying.
- Indicator lights signify at which stage system is operating.

Green = ready to launch a projectile and/or has successfully verified a caught projectile.

Y*ellow* blinking = projectile has been fired and is on its way through a hose or tube.
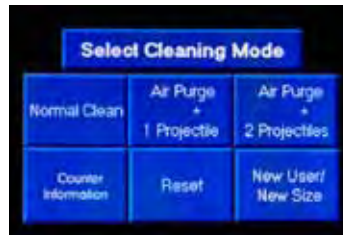
Red = projectile was not verified and may still be in the hose or launcher.

Touchscreen Display

- Touchscreen display allows user to navigate quickly and easily through the set-up process, prompting user to select:
  - Language
  - Operator I.D.
  - Projectile size to be counted and verified
  - Cleaning Mode

- Optional Ethernet-based technology allows the system to be integrated into a network, enabling the process to be monitored from a remote computer.

Cleaning Mode Selection

A Cleaning Mode must be selected on the touchscreen at the start of each use. This allows the user to select the proper mode based on the assembly processing and contamination level of the hose or tube production.

- Normal Clean: One projectile is propelled from each side of the hose assembly. Recommended for hoses that have undergone the cutting process and no skiving.

- Air Purge +1 Projectile: Based on length of hose and contamination and particle levels, a timer is set to determine duration of air blow. Timer is factory set to 3-seconds. Air blow is adjustable starting at 1-second. After air blow stops, a projectile must then be loaded and fired. Recommended for hoses with low-to-medium contamination and particle levels, particularly from skiving.

- Air Purge +2 Projectiles: Same as Air Purge +1 Projectile, but recommended for hoses with high contamination and particle levels, particularly from skiving.

5 Micron Filter, Regulator, Gauge

- Requires the Ultra Clean UC-QRC-C quick disconnect coupling and a ½" I.D. (13mm) air hose to ensure correct SCFM air requirements for the Control Station.
- Incoming air is filtered to 5 micron.
- Regulator and gauge adjustment helps ensure proper operating pressure of 80 to 110 PSI maximum (5-1/2 to 7-1/2 Bar).

Containment Barrel Connector & Foot Switch

- 8-pin military-style plug secures the Containment Barrel cord to the Control Station.
- Electric Foot Switch provides hands-free operation to trigger the firing process.

UC-BM1.25 Air Supply

- Air supply for the Bench Mount is located on the left side of the Control Station.
- UC-D1 Super-Dry Compressed Air Dryer strongly recommended.

UC-HL-PVS Air Supply

- Air supply for the Hand Held Launcher is located on the right side of the Control Station.
- UC-D1 Super-Dry Compressed Air Dryer strongly recommended.

24 Volt DC Power Supply

- Power Supply converts 240V AC (Europe) or 110V AC to 24V DC.