

Ultra Clean[®]

TECHNOLOGIES CORP.

Contamination Control Solutions



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ULTRA CLEAN

**HOSE AND TUBE
CLEANING SYSTEMS**

The **ULTRA CLEAN** Hose & Tube Cleaning Systems

offer a fast, less invasive way to clean contaminated hydraulic lines by shooting a projectile through the hose or tube assembly with a pneumatic launcher.

The Ultra Clean Projectile strips out the internal contamination, removing dirt, gunk and oil. Now your clean oil will stay clean as it reaches those expensive components, preventing failure and system downtime.

Take your best shot with Ultra Clean!

ISO 13/10 Cleanliness Levels are Achievable.



UC-BM1.25 1 ¼" BENCH MOUNT LAUNCHER KIT

- The UC-BM1.25 is supplied with a built-in 5 micron air filter, pneumatic foot switch, twin line air hose and your choice of 7 nozzles ¼" through 1 ¼".
- Ideal for Hose & Tube Fabrication Cells because of its 1.2 second cycle time.

UC-HL2 2" LAUNCHER

- The UC-HL2 Launcher is supplied with a Full Flow Quick Release Coupling and a unique 360 degree Rotary Plug for proper air flow and non fatigue use.
 - Heavy duty aluminum construction with safety release bar.
- Ideal for production hose & tube fabrication, mobile hose fabricators and job site applications.



UC-CAP KIT

- The UC-CAP Kit comes as shown with 13 bags of Ultra Clean Projectiles (7mm thru 60mm).
 - UC-HL2 Launcher, 19 Nozzles, Case, Catcher Bucket, Tape, Launcher Stand & UC-P2 Projectile Kit, Counter Poster.



UC-EL1.25 1 1/4" LAUNCHER



UC-EL-7-DP KIT

- The UC-EL-7-DP Kit comes complete as shown with 11 bags of Ultra Clean Projectiles (7mm thru 40mm).
 - UC-EL1.25 Launcher, 7 Hose Style Nozzles, Case, Catcher Bucket, & UC-P1 Projectile Kit.
 - Economically priced and ideal for mobile applications.





UC-HL3.5 3 1/2" LAUNCHER

- The UC-HL3.5 Launcher is supplied with a Full Flow Quick Release Coupling and a unique 360 degree Rotary Plug for proper air flow and non fatigue use.
- The UC-HL-1-3.5 Kit includes UC-HL3.5 Launcher, 2 Adaptor Rings for nozzles 1/4" thru 2", Universal Nozzle 2 1/8" thru 3 1/2" and Case.

UC-HL4.5 4 1/2" LAUNCHER WITH NOZZLE

- The UC-HL4.5 Launcher is a complete Launcher and Nozzle System with a size range from 3.80" to 4.50".
- Available Adaptor Rings, Locking Ring & Nozzles gives this launcher the full size range from 1/8" thru 4 1/2".
- Supplied with a -8 SAE male and female flare that only accepts 1/2" I.D. hose for supply air. This increases available SCFM by 50% over our other launchers.



Air Requirements for All Launchers:

- 80 PSI minimum to 110 PSI maximum.
- 1/2" I.D. air hose required.



UC-PVS PROJECTILE VERIFICATION SYSTEM

The UC-PVS launches an Ultra Clean Projectile through your hose or tube to carry out the cleaning process and verifies that the projectile has exited the hose or tube that it has just cleaned.

The Ultra Clean PVS consists of 2 key components that include a Control Station and Containment System which connects easily to our UC-BM1 .25 Bench Mount and Hand Held Launchers.

From Projectile Launch to Verification, the Ultra Clean PVS is the ultimate answer, ensuring a clean sweep for your hose and tube assemblies.

The UC-BM-1.25 and Hand Launchers can be connected to the UC-PVS at the same time.



CONTROL STATION



CONTAINMENT SYSTEM

100% Verification that the **Ultra Clean Projectile** is out of your now clean hose or tube.



Dirt, gunk, crud, particulate contamination. Whatever you want to call it, the stuff could be wreaking havoc on your machinery and costing you big time.

Maybe that's not earthshaking news, but the fact that more than 90 percent of hydraulic system failures are caused by contamination is.

A recent John Deere survey discovered contaminated hydraulic sys-

tems cost contractors more than any other machine maintenance problem. And what's equally disturbing is that on machines with sophisticated, high-flow systems, the amount of dirt doing the dirty deed wouldn't fill a bottle cap.

John Deere is looking at promising new solutions to help prevent this vexing problem. For example, we've adopted a filter caddy system that will clean fluids as they run through the filtration unit and back into your equipment.

There is also a new technology called the Ultra Clean System that scours hydraulic systems by shooting a rapid-fire projectile through hose and tube assemblies. The projectile strips out internal contamination as it travels through couplings and around bends, forcing the

contamination out in front of it. So oil stays clean as it reaches expensive components, which extends system and filter life.

We can't stress enough how important a vigilant fluid-analysis program is. Obviously, changing fluids and filters at recommended intervals is critical, too. You can count on Deere to be your ally in the fight against productivity robbing dirt.

Sincerely,

Mikko Rysa
Vice President, Worldwide Forestry
Sales and Marketing



**Think this new
hose looks clean?**



**Better THINK
again!**

ULTRA CLEAN TECHNOLOGIES CORP.

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