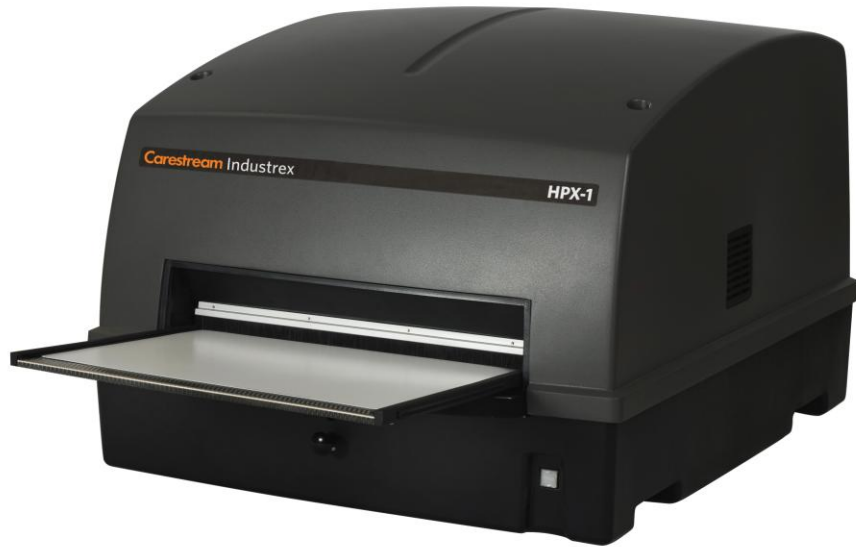


Carestream **NDT**



The HPX-1 CR System Built for NDT



The HPX-1 is the only system on the market today engineered and built specifically for Non-Destructive Testing.

The following presentation highlights the rigorous dust test performed on an HPX-1 system.



- A new HPX-1 was installed in a fabricated dust-test enclosure



- 280 grams of Silica dust (particle size 0-180 μ m) was systematically injected into the chamber
- Each of the 100 injections measured 2.8 grams to ensure proper dispersion
- *This is DOUBLE the requirement of MIL STD 810-4 Test Method 510.4 Procedure III – Settled Dust!*



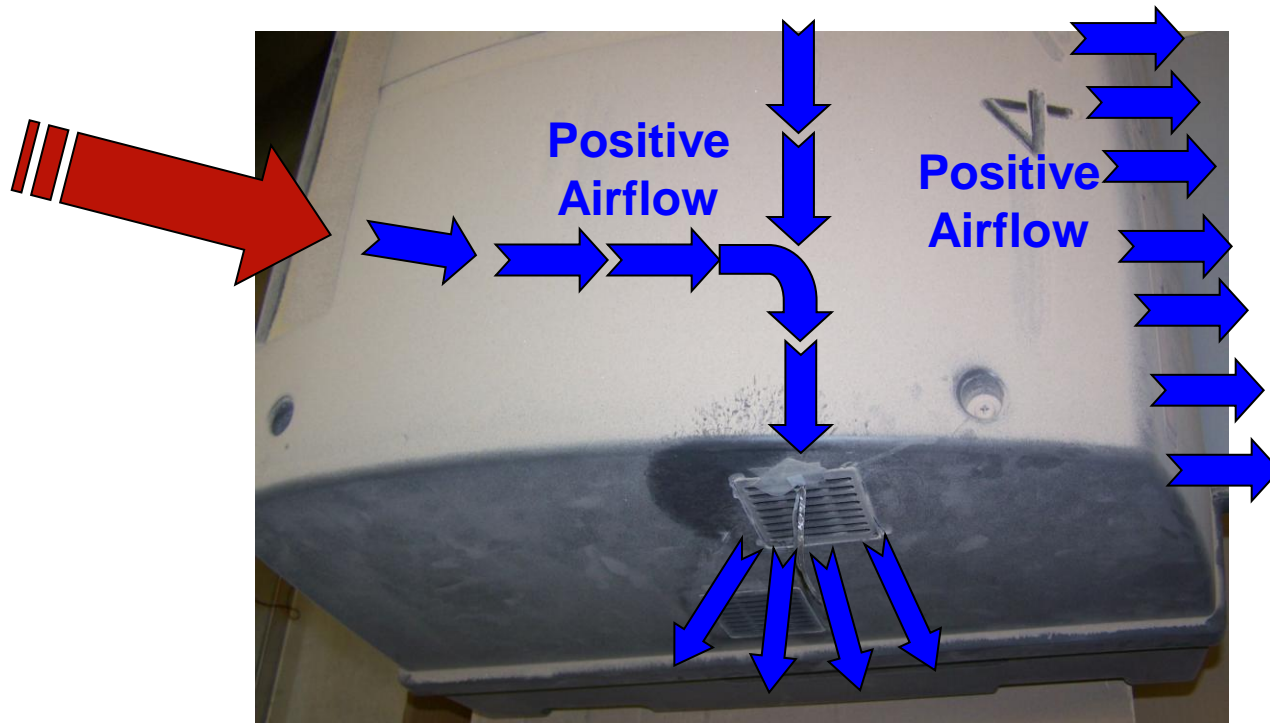
Before



After

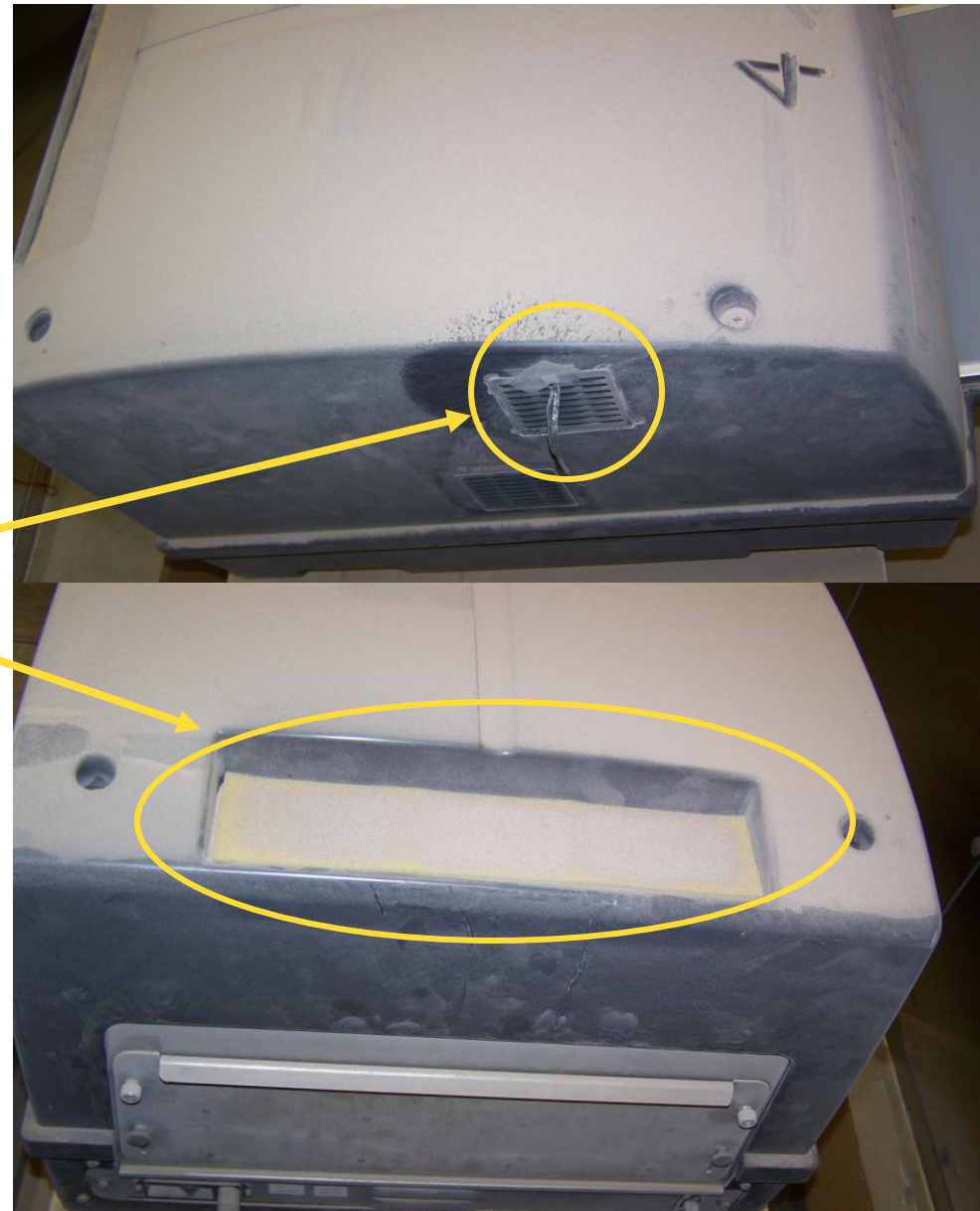


Multiple positive pressure fans and dust filters inside the HPX-1 keep dust, debris and contaminated air out of the system. *Even in the worse environments!*



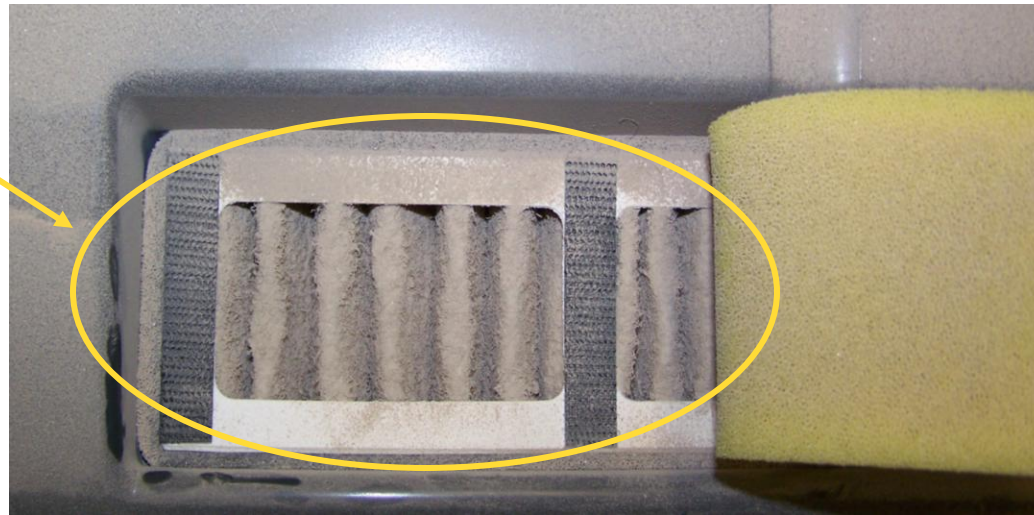
Exterior After

- At the end of the test the unit was completely covered in dust
- Multiple positive pressure fans and filters kept the dust, debris and contaminated air out of the system



Exterior After

- Two independent levels of filtration provide twice the protection
- External filters effectively capture airborne contaminants before they were able to infiltrate the unit



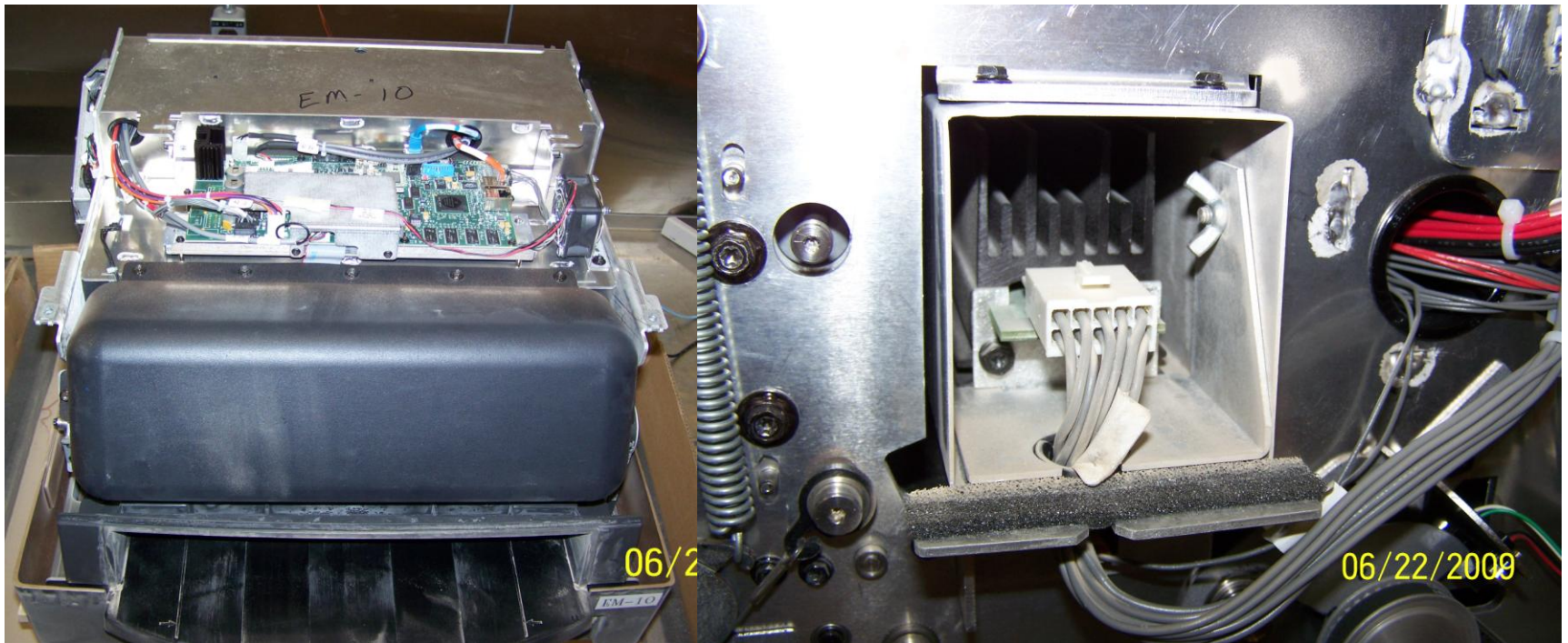
After the test the unit was dismantled,
THE RESULTS WERE AMAZING

Interior After

- The unit was disassembled after the test and thoroughly inspected for particle ingress
- Minimal contamination was found all below acceptable levels for proper operation

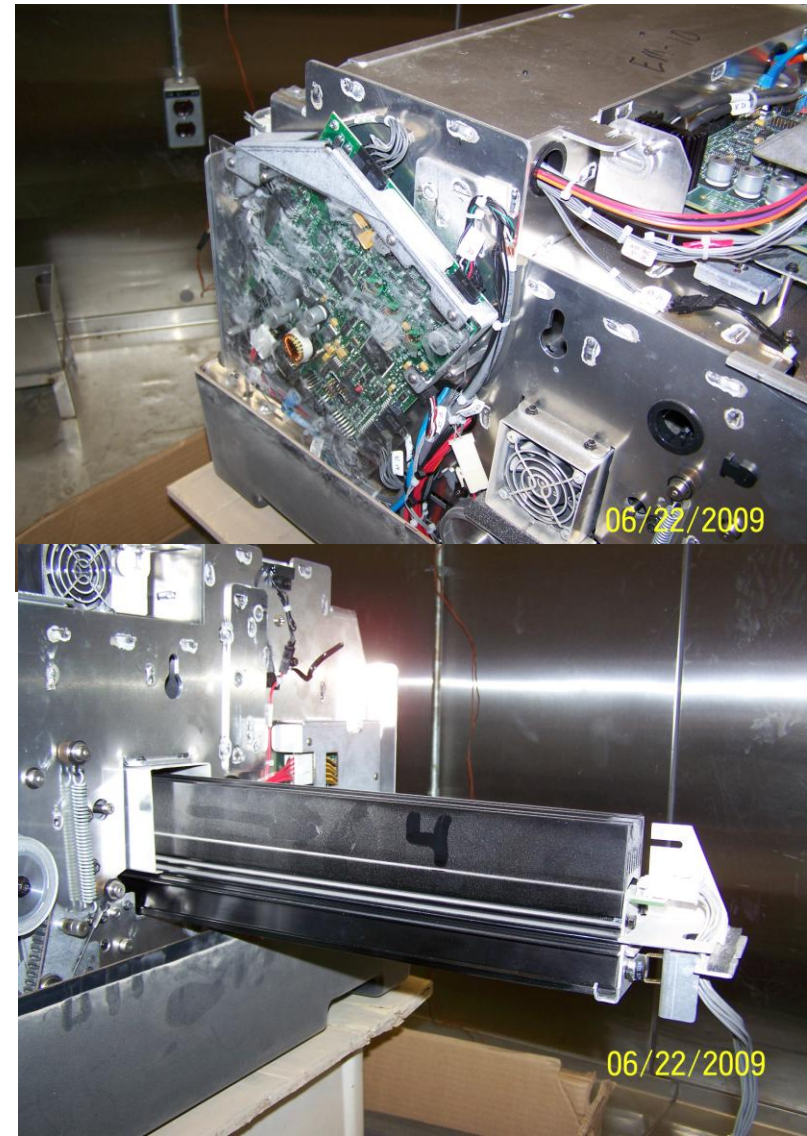


The unit had minimal dust intrusion, well below acceptable levels for proper operation.



Interior After

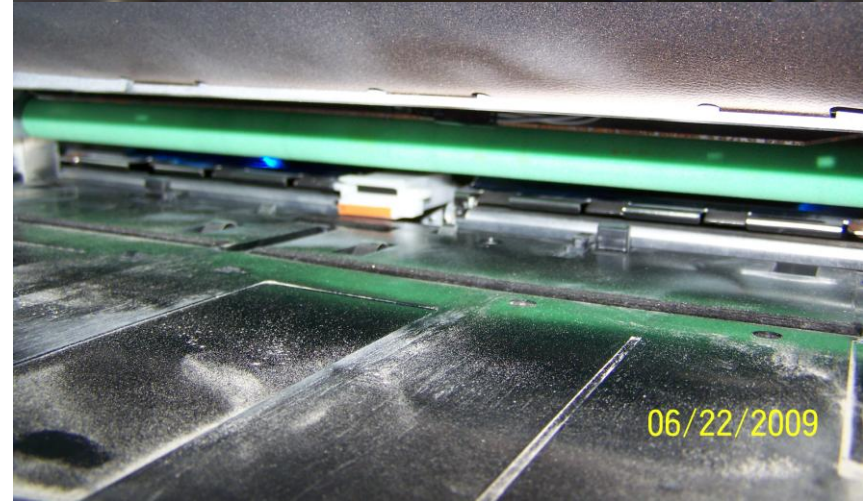
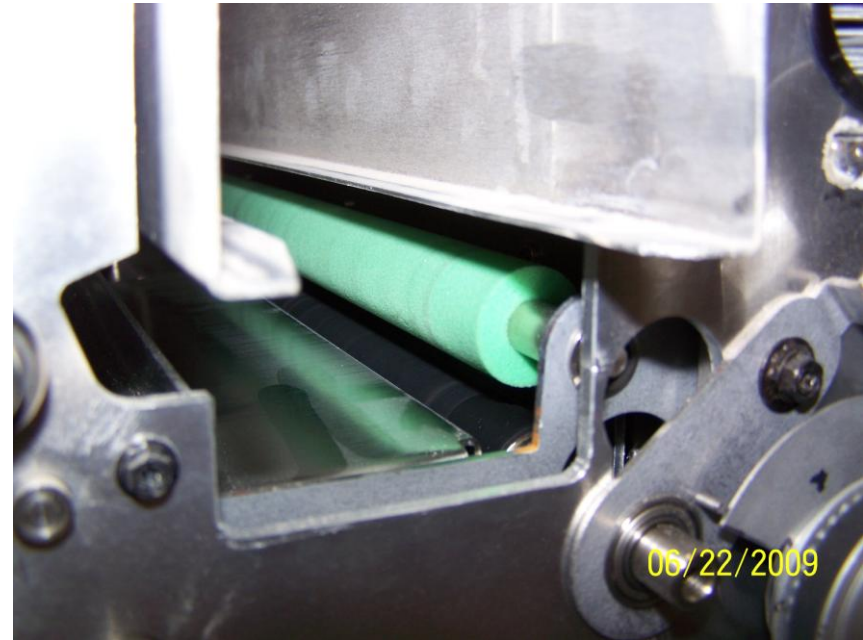
- Internal circuit boards and various mechanical assemblies were inspected
- No evidence of significant contamination that could affect the performance of the unit was found



Interior After

- The cassette loading tray, handling mechanisms and erase housing also showed minimum levels of contamination

Well below acceptable levels for proper operation.



Interior After

- Feed tray (top)
- Cooling fan assembly (bottom)

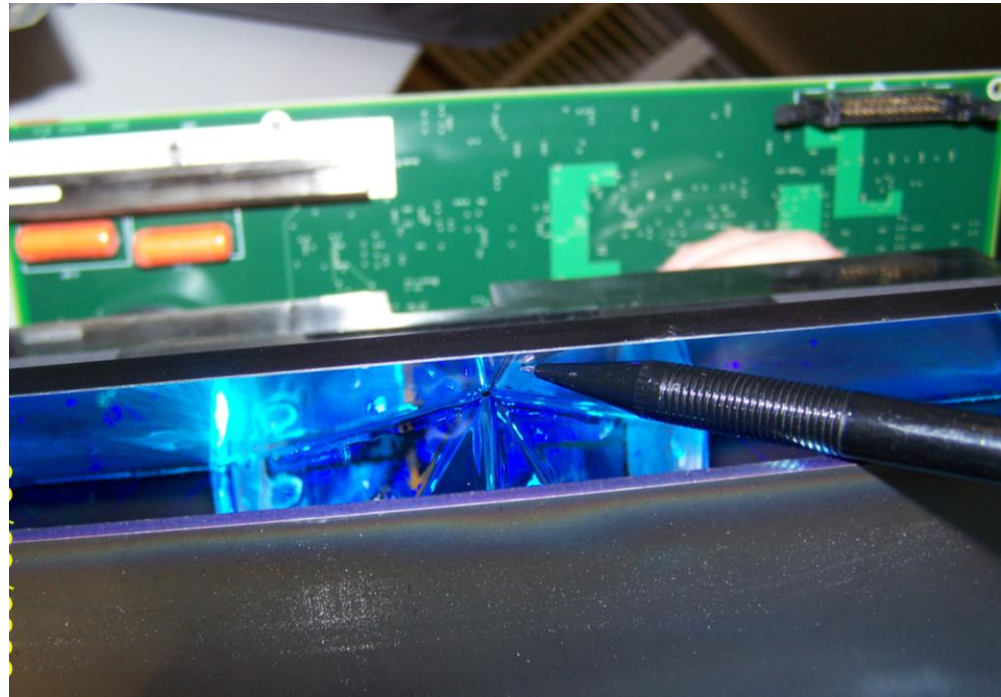
The unit had minimal dust intrusion below acceptable levels for proper operation.



Interior After

- The critical collector was clean following the test

The unit had minimal dust intrusion below acceptable levels for proper operation.



Conclusions

1. The HPX-1 stood up to twice the requirements of MIL STD 810-4 Test Method 510.4 Procedure III – Settled Dust

*The Carestream Industrex HPX-1...
There is no equal!*

Conclusions

1. The HPX-1 stood up to **twice the requirements** of MIL STD 810-4 Test Method 510.4 Procedure III – Settled Dust
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Conclusions

1. The HPX-1 stood up to twice the requirements of MIL STD 810-4 Test Method 510.4 Procedure III – Settled Dust
2. Minimal amounts of dust infiltrated the unit, well below acceptable limits for proper operation
3. Critical areas of the HPX-1 were not affected

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Conclusions

1. The HPX-1 stood up to **twice the requirements** of MIL STD 810-4 Test Method 510.4 Procedure III – Settled Dust
2. Minimal amounts of dust infiltrated the unit, well below acceptable limits for proper operation
3. Critical areas of the HPX-1 were not affected
4. Customers finally have a CR unit that will stand up to working in harsh environments similar to these

***The Carestream Industrex HPX-1...
There is no equal!***

Carestream **NDT**

Powerful.
Flexible.
Reliable.
Portable.
Easy.
DIGITAL.

