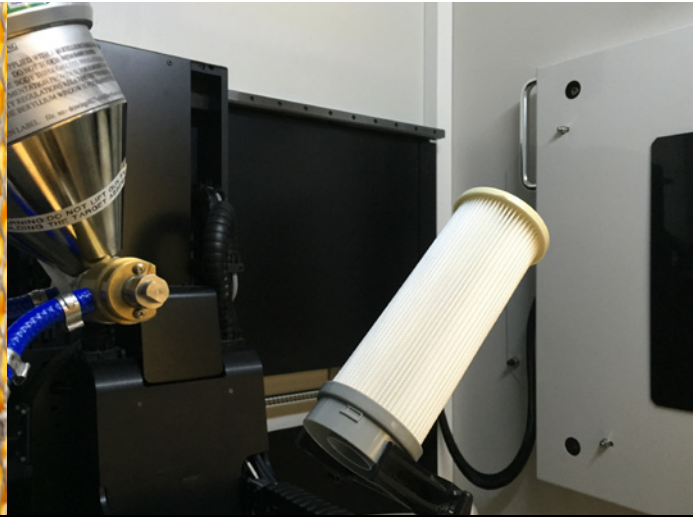




ApplicationFocus

Complex Filter Inspection using industrial CT



Computed Tomography accelerates product time-to-market by NDT analysis

Advanced filters are used in nearly all industries such as automotive, medical, water, oil & air filtration. Used in extreme conditions and under stringent requirements, filters can serve a safety-critical purpose: purify gases or fluids to guarantee 100% product operation. Working under extreme pressures or filtering out the smallest micron particles requires a failsafe design, production and operation. As filters are often complex assemblies, advanced inspection techniques help to provide a better insight in structural or operational deficiencies such as internal voids, sealing problems or filter tears.

Inspection challenges

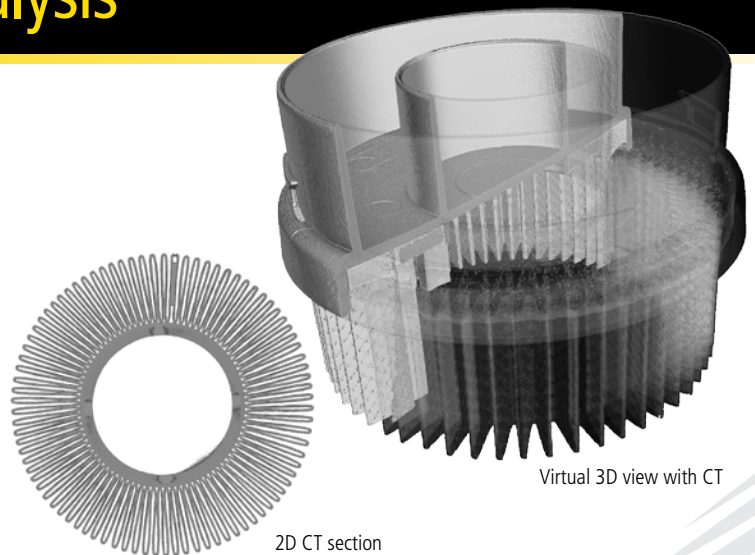
- Avoid destructive testing of expensive prototypes
- Reduce lengthy inspection processes
- Reveal internal structures in final assemblies
- Check glue or weld quality of housing and internal assemblies
- Optimize production processes by obtaining full quality check of finished products

Nikon Metrology's solution

XT H Industrial CT systems featuring microfocus sources

- Reveal internal defects such as voiding, cracks, assembly issues
- Reduce product time-to-market by reducing the number of prototyping cycles
- Improve product quality by inspecting the integrity of assembled product
- Provide full dimensional metrology and CAD compare
- 100% QA confidence by automated (inline) inspection and analysis

For more information, go to www.nikonmetrology.com or email sales.nm@nikon.com



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