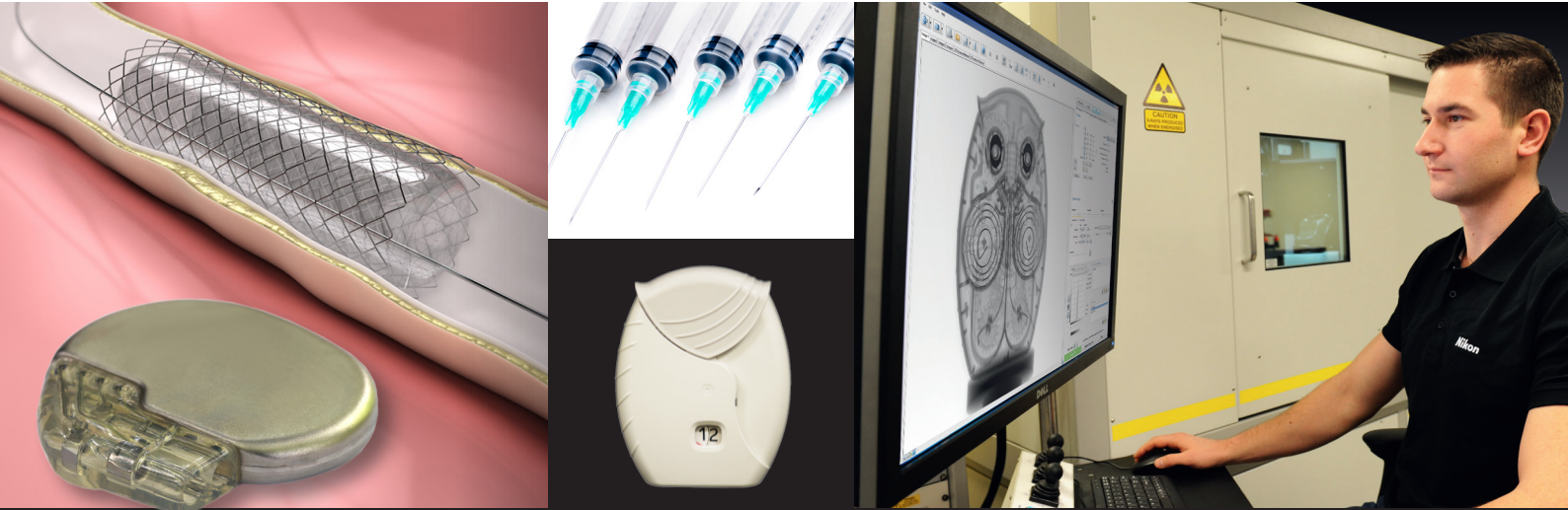




# ApplicationFocus

## Medical devices and drug delivery systems



## CT inspection of medical devices or drug delivery systems

With medical devices, failure is not an option. From the simple to the most complex applications, the reproducible examination and inspection of key components is vital. The Nikon X-ray and CT range ensures no area is inaccessible. With the high image resolution and ultra-fast CT reconstruction, the sharp images provide a fundamental insight to ensure reliable and repeatable performances. Metrology CT is particularly suited to verify the dimensions of drug delivery systems' inhaler chamber or dispenser mechanisms, syringes, stents, pacemakers and many more.

### Customer challenges

- Avoid destructive testing of expensive prototypes and serial products
- Measure inner geometries with comparison to CAD
- Reduce lengthy inspection processes
- Reveal internal structures in final assemblies
- Check glue or weld quality of components and internal assemblies

### Nikon Metrology's solutions

XT H / MCT systems featuring microfocus sources

- High performance image acquisition and volume processing
- Easy system operation and low cost-of-ownership
- Straightforward inspection automation
- Proprietary 225kV microfocus X-ray source with 3 $\mu$ m focal spot size
- Metrology CT with absolute accuracy measurement
- Stunning images providing maximum insight



For more information, go to [www.nikonmetrology.com](http://www.nikonmetrology.com) or email [sales.nm@nikon.com](mailto:sales.nm@nikon.com)

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