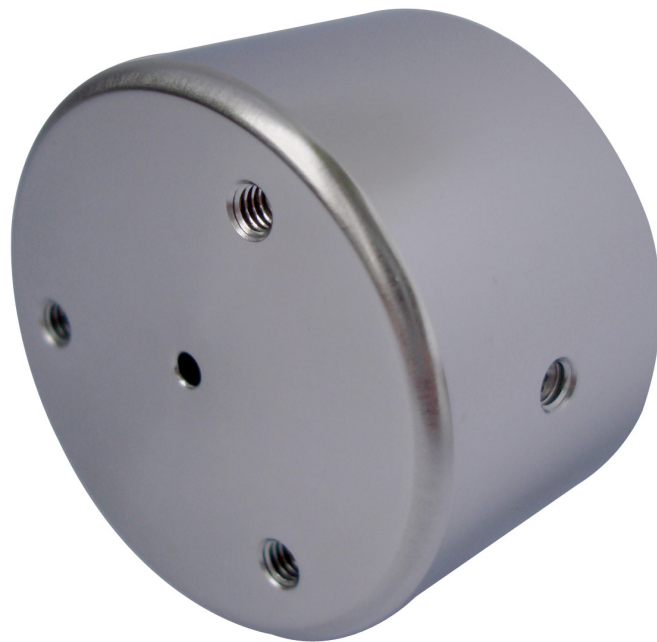


phoenix long-life|filament

High emission current CT of strong absorbing samples
with up to 10 times increased filament lifetime



Add-on package for all phoenix|x-ray
directional type microfocus X-ray tubes
up to 300 kV



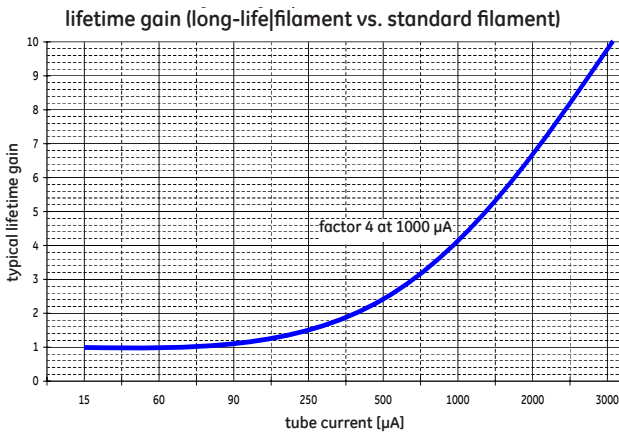
imagination at work

phoenix long-life|filament

Ensuring long-term stability and optimizing system efficiency

CT tasks using high emission currents stress conventional hairpin filaments and reduce their lifetime. To ensure long-term stability, reduce costs and increase throughput due to fewer filament replacements, GE's phoenix|x-ray line offers an advanced solution for its easy-to-change plug-in cathodes:

- long-life|filament as a sales option for all phoenix|x-ray 2D inspection and CT systems with directional X-ray tubes
- Retrofit package for existing phoenix|x-ray directional type microfocus X-ray tubes



long-life|filament - Your Advantages

Time and cost effectiveness

- Notably increased filament lifetime for longer operation time especially at high emission currents
- Increased machine uptime due to lower frequency of filament replacements

Reliability

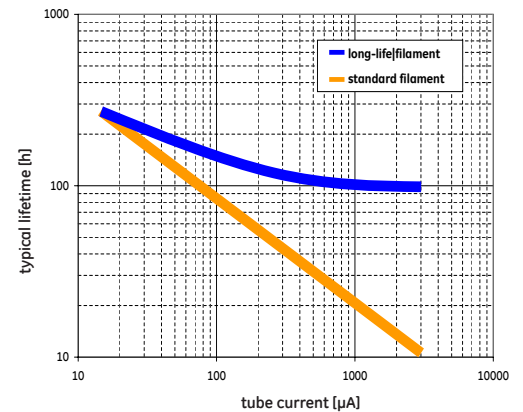
- More reliability in high through-put scenarios because of enhanced long-term stability

Ease of use

- Easy-to-change plug-in cathode with pre-adjusted filament: whole replacement process takes < 30 min.
- Easy switching between standard and long-life|filament

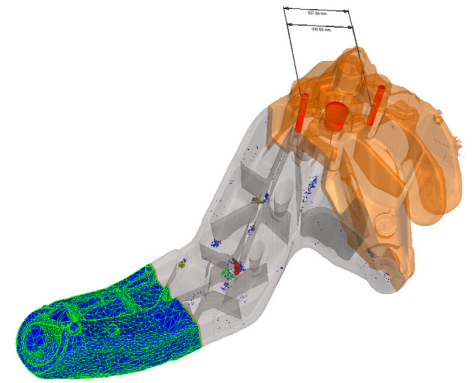


lifetime long-life|filament vs. standard filament



Significantly extended filament lifetime

With phoenix|x-ray's long-life|filament, the lifetime increases up to factor 10 (at a tube current of 3000 µA) compared to conventional filaments.



Reverse engineering, automatic pore analysis and 3D metrology of a scanned automotive control arm

www.ge-mcs.com/phoenix

GEIT-31339EN (04/12)