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
**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

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**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.

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**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

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www.ge-mcs.com/phoenix