



More Uptime and Higher Productivity with LLF Technology

- Reduce Maintenance Cost for D8 VENTURE with TURBO X-RAY SOURCE (TXS)

Bruker's TXS rotating anode is known for its excellent performance, high intensity and outstanding reliability. Typically, the TXS is run continuously 24/7 and requires only scheduled filament maintenance twice a year. As exchanging filaments requires the complete shutdown of the generator followed by alignment, users are understandably reluctant to service their system more often than absolutely needed. Cost of a new filament and lost uptime are both very important factors in the overall cost of ownership.

Today, we proudly announce our LONG LIFETIME FILAMENT (LLF) technology.

- Bruker engineers have developed filaments that last at least twice as long as standard filaments.
- LLF technology reduces filament maintenance to only once a year.
- Filament exchange can now be done at the same time as other annual maintenance duties, such as anode polishing.

LLF technology is the result of the latest, most advanced filament design verified with extensive testing for many years. The longer lifetime of the new filament does not affect other performance parameters; the high source intensity, for example, is fully preserved.

LLF technology is available for all new D8 VENTURE systems with TXS rotating anode generators. Even better, LLF technology can also be retrofitted to existing installations*, immediately resulting in better uptime, and significant reduction of maintenance efforts and cost of ownership.

Part number	Description
J1240012	Long Lifetime Filament, high brilliance, point focus
J1011600	Cathode for point LLF, high brilliance focus

*requires high brilliance TXS (version A25D14)

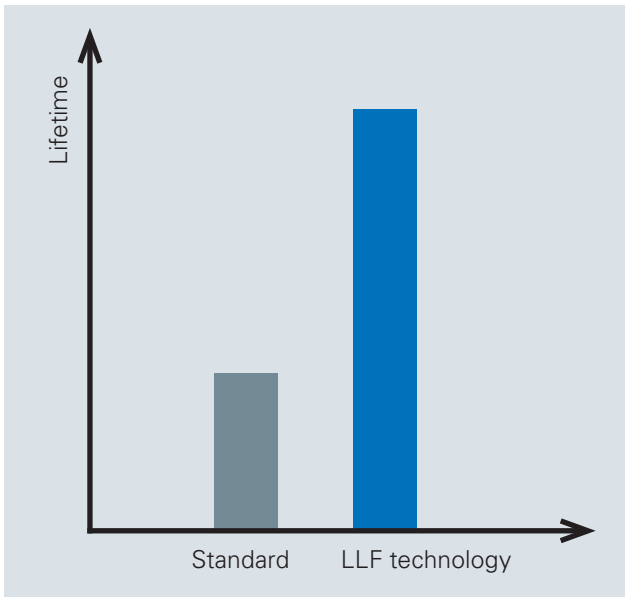


Fig. 1: D8 VENTURE with TURBO X-RAY SOURCE (TXS).



Fig 2: High-performance LONG LIFETIME CATHODE.



Fig 3: Pre-aligned LONG LIFETIME FILAMENT.

Bruker AXS is continually improving its products and reserves the right to change specifications without notice. Order No. DOC-S86-EXS065 © 2020 Bruker AXS.

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