

SELECTIVE LASER MELTING*

Precision Tungsten Collimators from Wolfmet

The design of tungsten collimators for medical imaging has been restricted by the limitations of traditional machining methods. The constraints of milling, turning and drilling have often made it impossible to economically achieve the ideal shape and geometry for medical collimators. Designers have been forced to accept lead collimators with inferior imaging qualities.

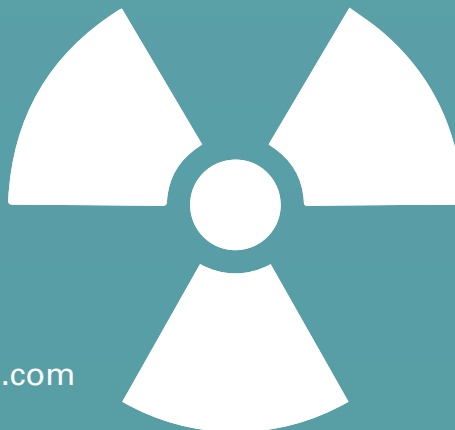
Wolfmet SLM uses new technology (patent pending) which dramatically increases the accuracy of the process allowing for more complex structures and geometries.

Advantages of SLM tungsten collimators:

- ▶ Improved imaging sensitivity for more accurate diagnosis
- ▶ Reduced size compared to traditional lead collimators
- ▶ Physically stronger than lead
- ▶ Reduced development costs with no tooling charges
- ▶ Non-toxic, environmentally safe
- ▶ Non-magnetic
- ▶ Reduced time from design to production of finished item
- ▶ Design freedom – complex geometries are now a reality

Collimators and shields for:

- ▶ SPECT
- ▶ X-ray anti-scatter
- ▶ MRI
- ▶ Nuclear waste assay
- ▶ Pre-clinical imaging
- ▶ Radiation measurement



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