Our STAN™ light source is the culmination of 30 years of research into incoherent EUV/soft x-ray light sources. STAN™ will be of interest for applications where a lab based high brightness source of tuneable soft x-rays in the 10 eV to 500 eV range is required or desired. The STAN™ system consists of a laser plasma soft x-ray source, brought to a debris free focus by our plasma robust self-healing liquid metal coated optics. The laser optics are protected by our simple and effective Permanent Clarity™ technology, which allows us to produce tiny laser plasmas continuously on bulk liquid materials, without requiring any complex operations training and at a low cost of operation.

STAN™ is extremely flexible, and can be driven by low cost 10 W laser input where brightness and etendue are the drivers, or coupled to kW class lasers where flux is the key requirement.

STAN™ can be coupled to applications directly or through one of our monochromator systems:

STAN™ brightness is comparable to that of a synchrotron bending magnet.

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References