

# Inprentus to Supply Shanghai Synchrotron Radiation Facility with X-Ray Diffraction Gratings

*Inprentus will deliver three diffraction gratings for \$240,000 to the Shanghai Institute of Applied Physics, Shanghai Synchrotron Radiation Facility*

CHAMPAIGN, IL, UNITED STATES, October 4, 2017 /EINPresswire.com/ -- [Inprentus](#) has been awarded a contract to supply the Shanghai Synchrotron Radiation Facility (SSRF) with three custom designed blazed diffraction gratings for use at beamlines within SSRF. This is the second contract Inprentus has received in Asia this year. The gratings have been purchased as a part of the Phase-II Beamline Project of SSRF and will be installed on the Resonant X-Ray Emission Spectroscopy end-station of beamline E-line.

Ron van Os, Inprentus' CEO commented, "Market demand is growing for Inprentus [diffraction grating](#) products throughout Asia. With this win at SSRF, Inprentus has shown that its advanced specifications and custom design capabilities are a winning combination in the synchrotron market."

Inprentus blazed diffraction gratings enable beamline scientists to broaden the scope of their research and increase the accuracy of their work. The new diffraction grating manufacturing process from Inprentus is a general-purpose approach to high-precision patterning of surfaces, and is particularly suited to X-ray and [EUV diffractive optics](#) in which features must be shaped with 0.1-degree angular precision and positioned with nanometer precision over distances of tens of centimeters.

China's Shanghai Synchrotron Light Source (SSRF)

SSRF is a 3rd generation Synchrotron Light facility located in Shanghai, China. It is an invaluable tool for the Chinese scientific research and industrial community. SSRF is the biggest scientific platform for science research and technology development in China.

Inprentus Inc.

Inprentus designs, manufactures and sells X-ray and EUV diffraction gratings for synchrotron radiation facilities that are used for a variety of scientific and commercial applications by many Fortune 500 companies, academic institutions and government laboratories around the world. Inprentus was founded in June 2012 to commercialize an innovative, nano-scale lithography technology using mechanical deformation of metallic surfaces.

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Inprentus Diffraction Grating for use in Synchrotron X-ray applications

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