

# Inprentus Closes Series A Round of \$1.5 Million to Meet Growing Demand for its Diffraction Gratings

*Investors include Flyover Capital, Serra Ventures and private individuals*

CHAMPAIGN, IL, UNITED STATES, June 1, 2017 /EINPresswire.com/ -- A \$1.5 Million series A round led by [Flyover Capital](#), with participation from Serra Ventures and various private individuals, is enabling Inprentus to build manufacturing capacity to meet customer demand for its high precision diffraction grating products.



"We were impressed by the value that Inprentus has developed with its high precision diffraction grating," said Flyover Capital General Partner, Keith Molzer. "With revenue growing steadily and an experienced team in place, we immediately saw that Inprentus was the type of investment opportunity we were looking for as we believe it highlights the innovative technology start-ups coming out of the US mid-west region."

Inprentus is tripling capacity of its proprietary ruling engines, at their new 12,000 square foot manufacturing facility in Champaign, Illinois. This new capacity will enable delivery of orders within a few months, which is a significant improvement over the industry norm of 10 – 12 months.

Ron van Os, Inprentus' CEO commented, "Our manufacturing innovations and specification improvements are wholly focused on providing the worlds most precise [diffraction gratings](#). This new investment will quicken the pace for our manufacturing capacity build-up and advance our R&D efforts to meet growing customer demand now and in the future."

## Improved Product Performance

With Inprentus' technology, blaze angles down to 0.4 degrees are now achievable. These lower blaze angles greatly improve the efficiency of [synchrotron X-ray experiments](#). Along with these improvements, Inprentus has increased the line density (grooves per millimeter) of its products. Inprentus can manufacture 300-2500 lines per mm (l/mm), were previous ranges were typically 300 – 1900 l/mm. These new product specifications create new opportunities for synchrotron beamline scientists to explore and advance the research on materials, biology, medicine and energy, and create an opportunity for Inprentus to serve a wider variety of industrial optics applications.

## New Ruling Technology

Inprentus is continuing to advance an innovative, nano-scribing technology, which is a technique for carrying out nano-scale lithography via mechanical deformation of metallic surfaces. This technology 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. See more... (link: <http://www.inprentus.com/technology/>)

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 by University of Illinois Urbana-Champaign physics professor Peter Abbamonte to commercialize an innovative, dual-atomic microscope scribing technology, which is a technique for carrying out nano-scale lithography via mechanical deformation of metallic surfaces. This technology 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.

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