

Press Announcement

Delft, The Netherlands, February 24 2015

Mapper Lithography is pleased to announce the formal product introduction of the FLX-1200, the first lithography system based on massively parallel electron-beams, available for customers as of this year.

The lithography system has been developed over a more than 10 year time period and the first FLX-1200 was installed at CEA-Leti in Grenoble in 2014. In December 2014 the first successful customer pattern exposures were performed on a 300mm wafer. In the "Imagine" program the technology has been prepared for use in existing fab operations where the FLX-1200 can operate in a "mix-and-match" modus with other lithography systems.

The FLX-1200 will be able to produce up to 2 wafers per hour and can be used for sub-90nm technology nodes, down to 14nm. The system is available in a 300mm and a 200mm configuration.

As the FLX-1200 is a direct write system, there is no need for masks. This makes the system especially suitable for higher node designs with lower volume requirements and for designs which are complex to make with mask-based technology, like "cutting patterns" and exposures requiring "multiple patterning".

At the SPIE Advanced Lithography conference the latest results and first system evaluation will be presented by Marco Wieland, CTO of Mapper Lithography and Isabelle Servin from CEA-Leti. In addition, a joint paper with Altera will be presented comparing Mapper's imaging performance at 20 nm technology with immersion lithography.

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About MAPPER Lithography

MAPPER Lithography, based in Delft, The Netherlands, and founded out of Delft University of Technology, is developing a groundbreaking maskless lithography infrastructure for the semiconductor industry. Its tools utilize an innovative multiple e-beam technology with which next generation semiconductors can be manufactured in a more cost effective fashion. It makes the traditionally used mask redundant and combines high resolution and high productivity. MAPPER employs 250 people.

For further information, please visit www.MapperLithography.com

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