

Infinitesima selects PDF Solutions' Cimatrix® Solution to Accelerate Time-to-Market for Its Metron^{3D} Detection System

Cimatrix CIMControlFramework™ Software Enables First Delivery to a 300mm Factory

May 5, 2022, Santa Clara, CA – PDF Solutions, Inc. (Nasdaq: PDFS), a leading provider of unified data and cloud analytics for the semiconductor ecosystem, today announced that Infinitesima, a European based equipment supplier for the semiconductor industry, has selected the Cimatrix CIMControlFramework software to meet its demanding needs for precision equipment control and the data connectivity requirements of its Metron^{3D} metrology system incorporating its innovative Rapid Probe Microscope (RPM) technology.

As the global semiconductor and electronics industries race to transform manufacturing floors into “smart factories,” one critical aspect of this transformation is ensuring that the equipment in the factory is enabled with modern software architectures that fully support industry standards for data connectivity such as SEMI GEM, GEM 300 and EDA/Interface A. In order to mitigate the time-to-market risk associated with developing high quality software in its overall equipment development cycle, Infinitesima turned to PDF Solutions to ensure its innovative RPM system would include the data connectivity and control capabilities that the market and Infinitesima’s customers require.

Before working with PDF Solutions, Infinitesima had sold RPM modules that were integrated into larger 3rd party machines. Driven by the growing need for 3D metrology, the company developed Metron^{3D}, a standalone platform they could sell directly to semiconductor 300mm factories. This required adding full automation to transport wafers throughout the equipment, as well as a control system supporting GEM300 communication, something that was not required when the RPM was integrated into a larger equipment solution. Infinitesima had limited experience working directly with 300mm factories and the testing and integration a standalone, fully-automated piece of equipment would require.

By selecting Cimatrix CIMControlFramework software for its control and connectivity needs, Infinitesima was able to take advantage of three key benefits: a single software solution that could support the Metron^{3D} and future standalone products, robust and production-proven equipment control framework with built-in GEM300 testing capabilities that greatly reduced the time for completing the software development, and lastly, a team of industry experts that can assist and augment the Infinitesima internal software development team.

“Integrating the Cimatrix CIMControlFramework software for factory connectivity was what we needed to accomplish. However, the Cimatrix professional services team also took care of the supervisory and equipment control responsibilities of the project by integrating our metrology module (RPM) to the Cimatrix solution. This allowed our team to focus on our core competency, investing our time working on what we know best,” said Colin O’Brien, Engineering Director at Infinitesima. “We were able to get our Metron^{3D} product to market much faster because of the Cimatrix CIMControlFramework software and the professional services team.”

“We have extensive experience helping customers successfully deliver equipment to 300mm factories and this experience can be a vital asset in situations where a company may have limited or no familiarity with the 300mm factory requirements,” said Bob Reback, VP and GM, Cimatrix products at PDF Solutions. “We seek to provide quality software products, backed by excellent service and support teams. By working closely with the Infinitesima team, the essential equipment control and connectivity needs of the Metron^{3D} system were removed from the critical path of their time-to-market objectives.”

About Cimatrix CIMControlFramework

PDF Solutions’ Cimatrix CIMControlFramework software is an equipment automation framework based on Microsoft .NET technology and is designed to allow equipment manufacturers to meet the supervisory control, material handling, process control, user interface, and factory automation requirements of the factories. Equipment suppliers can leverage framework components or customize them when unique requirements are needed. For more information about Cimatrix CIMControlFramework visit www.pdf.com or contact us at cimatrix_sales@pdf.com.

PDF/SOLUTIONS™

2858 De La Cruz Boulevard, Santa Clara CA 95050 USA
+1.408.280.7900 www.pdf.com

About PDF Solutions

PDF Solutions (NASDAQ: PDFS) provides comprehensive cloud analytics platforms designed to empower organizations across the semiconductor ecosystem to improve the yield and quality of their products and operational efficiency for increased profitability. The Company's products and services are used by Fortune 500 companies across the semiconductor ecosystem to impact business outcomes and achieve smart manufacturing goals by connecting and controlling equipment, collecting data generated during manufacturing and test operations, and performing advanced analytics and machine learning to enable profitable, high-volume manufacturing.

Founded in 1991, PDF Solutions is headquartered in Santa Clara, California, with operations across North America, Europe, and Asia. The Company (directly or through one or more subsidiaries) is an active member of SEMI, INEMI, TPCA, IPC, the OPC Foundation, and DMDII. For the latest news and information about PDF Solutions, visit <https://www.pdf.com/>.

PDF Solutions, the PDF Solutions logo, Cimetrix, and Cimetrix CIMControlFramework are trademarks or registered trademarks of PDF Solutions, Inc. or its subsidiaries. All other trademarks cited in this release are the property of their respective owners.

Contacts:

PDF Solutions

David Park
VP of Marketing
P: +1 (408) 533-8530
Email: david.park@pdf.com

Lytham Partners

Joe Diaz, Joe Dorame, Robert Blum
P: +1 (602) 889-9700
Email: pdfs@lythampartners.com