

FOR IMMEDIATE RELEASE



Covalent Metrology Accelerates Development of Advanced Materials with Better, Faster, Cheaper Data

April 25, 2017 – Los Gatos, CA – Covalent Metrology Services announced today that it is now open for business in the heart of Silicon Valley.

[Covalent Metrology](#) has two lines of business, Analytical Services and Metrology Partners.

Covalent’s [Analytical Services](#) unit provides high-quality data to clients, both faster and cheaper than competing service labs. Most samples can be measured within 24 hours of receipt. There are no price premiums, and customers are welcome to participate in the measurements to improve efficiency, communication and learning.

Services are now being offered in Atomic Force Microscopy (AFM) and Optical Profilometry with state-of-the-art tools from leading equipment suppliers. These techniques characterize material surface properties at nanoscale dimensions – information that can be vital to understanding the performance and failure mechanisms of advanced semiconductors, consumer electronic devices, sensors, solar cells, batteries, medical devices, and even construction and transportation products.

Covalent’s [Metrology Partners](#) unit offers materials innovation clients a comprehensive suite of services to elevate their overall metrology capabilities. These services include:

- Project-specific metrology consulting and development of metrology “work-flows”
- In-house metrology lab audits
- Training on specific tools or techniques
- Metrology tool upgrades and repairs
- Evaluation and procurement of new metrology tools
- Identification and evaluation of external metrology service labs for techniques not available in-house
- Methods, procedures and best practices for optimal lab operation including Gage R&R

With these services, Covalent aims to provide large-company metrology capabilities and expertise to the myriad small and medium-sized companies at the forefront of materials innovation. Many service providers are motivated to sell clients on their own tools and techniques. Covalent’s Metrology Partners unit begins with an assessment of client-specific

development objectives and challenges, and then works with clients to upgrade their overall metrology ecosystem.

Covalent Metrology was founded by Craig Hunter, previously founding general manager of both the thin film solar business at Applied Materials and the Clean Energy Group at Intermolecular. Mr. Hunter commented, "I've been fortunate to work with hundreds of incredibly talented engineers pursuing dozens of advanced materials projects over the past 15 years. Applied Materials and Intermolecular partnered with some of the world's most innovative companies in materials science. Most companies don't have access to world-class metrology, certainly not delivered at a reasonable cost and with a sense of urgency. Covalent's mission is to level the playing field and ensure that clients of all sizes have access to outstanding data generated quickly and cost-effectively."

High quality experimental data is the lifeblood of any successful commercial R&D program. Too many companies operate blindly without critical data because the proper tool is not available in-house, and sending samples out to service labs can be slow, frustrating and expensive. Data that is generated in-house can be unreliable or imprecise if tools are not properly calibrated, are obsolete, in disrepair or not properly operated.

Covalent's Analytical Services and Metrology Partners units are open for business and on a mission to provide and enable better, faster and cheaper data for every client.

About Covalent Metrology

Covalent Metrology is a new venture dedicated to improving advanced materials R&D through innovation in the metrology services business model. Covalent works with clients to elevate their metrology capabilities, resulting in better data generated in less time and at lower cost. Covalent's Analytical Services unit currently offers high quality Atomic Force Microscopy (AFM) and Optical Profilometry services at a lower cost and with shorter turnaround time than competing labs. Covalent's Metrology Partners unit offers a suite of services based on client-specific development objectives aimed at improving in-house and external metrology quality, speed and cost. Headquarters are located in the heart of Silicon Valley.

For more information call (408) 498-4611 or visit the Company's website at www.covalentmetrology.com.

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