

## PRESS RELEASE

**Kobe Material Testing Laboratory to collaborate with Cambridge based  
Plastometrex and AeroEdge in additive manufacturing**

Kobe Material Testing Laboratory Co., Ltd. (KMTL) (Kakogun, HYOGO JAPAN, CEO Masaaki Tsurui) concluded the memorandum of understanding with Plastometrex Ltd. (Cambridge, UK) and AeroEdge Co., Ltd. (Ashikaga, TOCHIGI JAPAN) to promote a new method to evaluate materials in additive manufacturing (AM) field in Japan.

Plastometrex Ltd. are world leaders in obtaining stress-strain curves non-destructively, and in providing fast and insightful mechanical testing solutions. Established by former University of Cambridge scientists, Plastometrex combines deep expertise in materials science with advanced numerical modelling, optimisation methods, and machine learning tools to create next-generation materials testing solutions. Plastometrex testing solutions are based on an underlying platform technology known as PIP testing (Profilometry-based Indentation Plastometry). The technique enables full stress-strain curves and metal strength parameters to be obtained from a single indentation test in just a few minutes.

AeroEdge is promoting new value creation in manufacturing through their R&D in the AM field. In this agreement, we aim to introduce the unique method developed by Plastometrex, with KMTL's deep understanding and rich experience in materials testing and AeroEdge's industry knowledge and technical expertise in AM. The goal of this collaboration is to contribute to the expansion of AM, a relatively new process, which requires innovative evaluation methods such as Plastometrex's PIP testing. AeroEdge will initially facilitate this activity for the next three years, to help to introduce the Japanese market to the benefits of this method.

KMTL is Japan's largest independent third-party testing laboratory with a rich history spanning over 70 years. With expertise in materials testing, chemical analysis, and specialized specimen manufacturing, KMTL has established itself as a reputable name in the industry. Combining three successful group companies, Kobe Material Testing Laboratory, Co., Ltd., Minatogawa Kinzoku Test Piece Manufacturing Co., Ltd., and Tsurui Chemical, Co., Ltd., KMTL has evolved into a comprehensive testing, research, and analysis laboratory. Throughout the years, KMTL has played a crucial role in supporting Japan's core industries, including aerospace, energy, automobile, and life sciences.

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