

MASER Engineering increases its decapsulation capabilities for Failure Analysis & Reliability Test by acquiring a second MIP machine from JIACO Instruments.

Enschede, the Netherlands, August 5th, 2019

MASER Engineering is pleased to announce that it has further strengthened its lead in semiconductor Failure Analysis through a second MIP decapsulation machine from JIACO Instruments.

MASER Engineering, who has been operating a JIACO Instruments MIP decapsulation system since 2016, is an independent engineering service company. Since 1993 MASER Engineering has offered Reliability Test and Failure Analysis Services to the semiconductor and electronic systems industry.



JIACO Instrument's Microwave-Induced-Plasma (MIP) decapsulation system is a breakthrough innovation: Automated atmospheric pressure MIP decapsulation utilizing O₂-only recipes. The system has been proven for Cu, PdCu, Au, Ag bond wires and for advanced package types like 3D, SiP, WLCSP, High Tg, Chip on Board, BOAC; all without process induced damage for reliable failure analysis and quality control.

Mr. Kees Revenberg, Managing Director of MASER Engineering and Dr. Jiaqi Tang, CTO of JIACO Instruments officially released the MIP system at MASER Engineering.

"Through close collaboration with MASER Engineering and our global customers, MIP's range of proven decapsulation solutions has rapidly grown since MASER Engineering invested in their first MIP machine in 2016. We are proud that MASER Engineering recognises the importance of high quality decapsulation to enable proper root cause Failure Analysis. With the capabilities of this second MIP machine from JIACO Instruments, MASER Engineering is now the most well equipped independent decapsulation FA lab, ready to solve its customer's toughest decapsulation challenges!", Dr. Jiaqi Tang, CEO of JIACO Instruments commented.

"MASER Engineering has been a partner for JIACO Instruments since the initial development of their machine. With the rapid advancement in semiconductor package technology, MASER Engineering will now be able to provide solutions for the most challenging Failure Analysis cases of its customers through the use of the advanced MIP decapsulation from JIACO Instruments", Kees Revenberg, Managing Director of MASER Engineering remarked.

MASER Engineering supports its customers to perform MIP decapsulation of standard packages and perform decapsulation trials in case of new type of packages (e.g. new type of moulding compounds, Ag bond wire devices etc).

About MASER Engineering:

MASER Engineering, founded in 1993 and managed by Hans Kemper and Kees Revenberg, is an independent engineering service company operating in the semiconductor and electronic systems industry, located in Enschede, The Netherlands. Reliability Test and Diagnostic services are offered to a wide range of customers that are active as Fabless Semiconductor or Integrated Device Manufacturers, automotive electronics supplier or in Aerospace and Space applications.

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About JIACO Instruments:

JIACO Instruments MIP decapsulation system is a breakthrough innovation: Automated atmospheric pressure Microwave-Induced-Plasma (MIP) decapsulation utilising O₂-only recipes. The MIP technology was developed by Prof. Dr. Kees Beenakker. MIP decapsulation was further developed by Dr. Jiaqi Tang during his PhD research at Delft University of Technology in collaboration with leading global semiconductor companies

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