

MECAL – High-tech / Systems
advancing technologies



TM

MECAL – High-tech / Systems
advancing technologies



TM

初めまして！

Mecal High-tech / Systems :

MECAL High-tech / Systems is an **independent** global engineer with an OEM product base that specializes in **controlling critical conditions** for research, development and production in high-tech materials and high-tech systems. Our technology is developed in and for the semiconductor industry, at **nanometer operations scale**, and our business on a **global scale**.

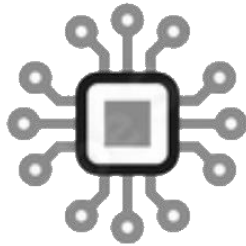
We focus on **applied research and engineering** and have been developing a vast IP base. We are involved in multiple co-developer relations with **high-end developers and demanding top tier customers**.



Cooperation proposition:

We optimize and enable technologies through our applied engineering over the full span of the technology: **design/ specification phase, prototypes and 1st series production, as well as custom made operations and support** in the operational phase of technologies.

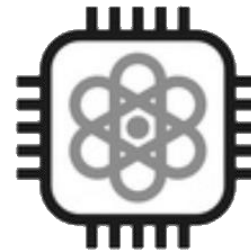
Japan is part of our ambition roadmap: We like to **advance technology with our Japanese partners** and co-makers relations to create and build specializations and uses of our know how and IP-base in multiple technology agendas:



EUV lithography



Photonic integration











Quantum computing



Sensors + intelligence

Cooperation proposition:

	INSIDE machines/tools	AROUND machine/tools
OEM technology developers		
High-end Users/ developers		

-  Strong co-maker partnerships
-  Extensive operations know-how
-  Strong Intellectual Property
-  Operational enabler and optimization

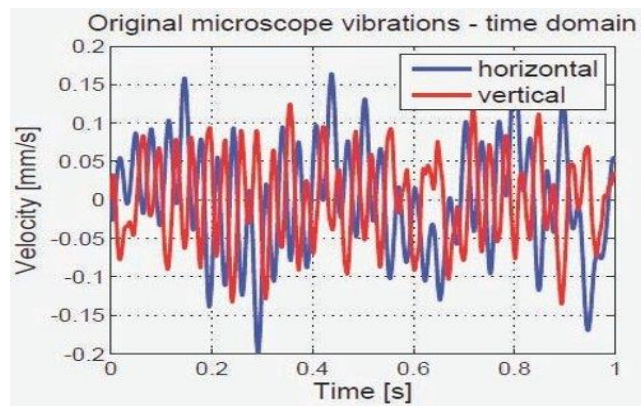
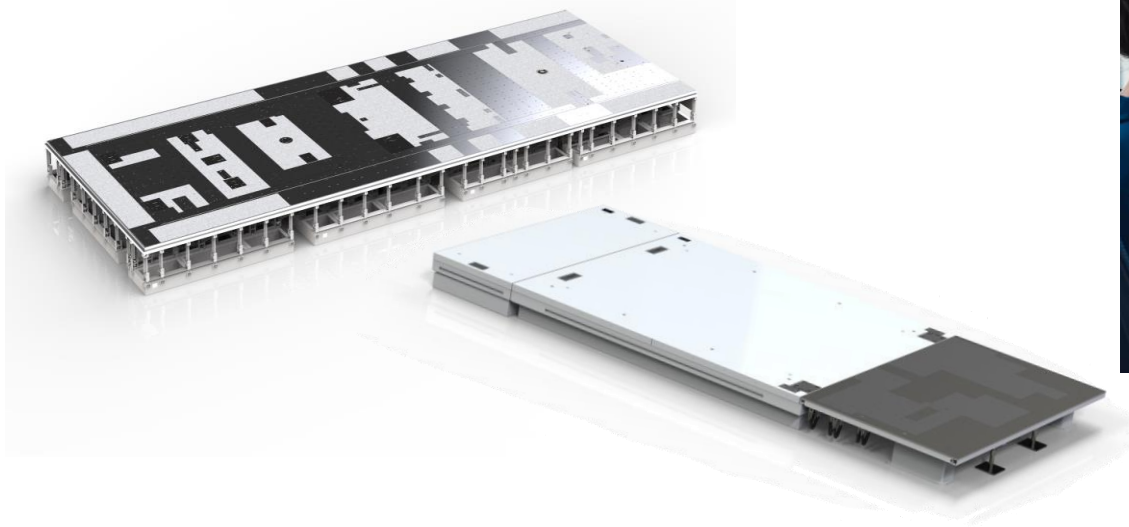
We have top customized technology :

- **Vibration control and mitigation**
- **Temperature control**
- **Shielding**
- **Mass and material flow and**
- **High accuracy metrology / positioning**

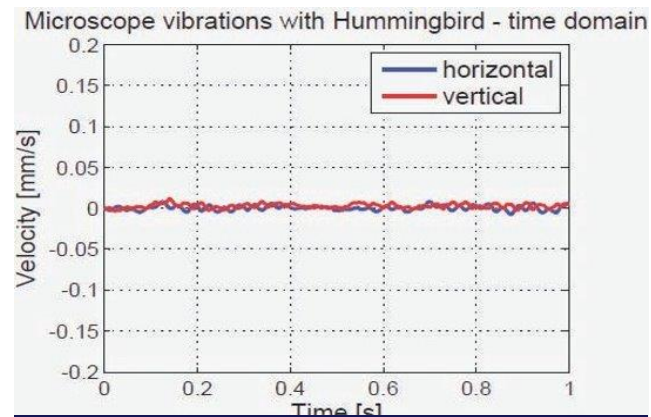
This on various platforms in **incorporating and interacting environment building (lab/fab) bound** in particular



Constant improvement:



Micro-vibrations before



Hummingbird™ cancellation

Next to technology, we put a lot of effort in our Japanese partnership relations and teams.

**Full support and quick service,
in local time zone and in native
Japanese language**



Contact Mecal High-tech / Systems :



Richard Jungman,
CEO MECAL High-tech/Systems

RICHARDJUNGMAN@MECAL-HTS.COM

+81 50 5532 7570

MECAL – High-tech / Systems
advancing technologies



ありがとうございました!