



**contactless wafer handling
with green light macro inspection**

To Excellence through Competence

Established in 1998 in the city of Villach, Austria, mechatronic systemtechnik is one of the world's leading names in systems and services for fully automated handling of critical wafers, which means thin, ultra-thin and warped wafers of any type and size.

Customers very soon recognized the superiority of mechatronic systemtechnik's handling technology. This paved the way for development from a pioneering high-tech engineering company to an established and globally recognized supplier of automated handling equipment for the semiconductor industry.

Specialization in custom-tailored but nevertheless multifunctional handling systems – our unique success proved that we were absolutely right to focus in this way. This superiority was also reinforced systematically. Within just a few years, mechatronic systemtechnik was a world market leader in systems for automated handling of critical and thin wafers down to a thickness of less than 50 micron (2 mil).

Flexible, Efficient, Tailor-made

mechatronic systemtechnik offers the right solution for every application: a modular handling base adapted to customer needs for optimal results, in both technical and economic terms.

Specifically:

- maximum flexibility
- highest throughput
- smallest footprint and
- lowest costs of ownership.

mechatronic handling systems enable fully automated and secure loading, packing and sorting of wafers. Of course, they support all wafer technologies including eWLB, MEMS, IGBT or film frames and all wafer sizes up to 450 mm – regardless of whether the wafer has to be gripped from the active chip side or the wafer backside.

mechatronic handling systems are the first choice when maximum safety and reliability are top priority– especially when dealing with critical and highly sensitive wafers.

Wafer

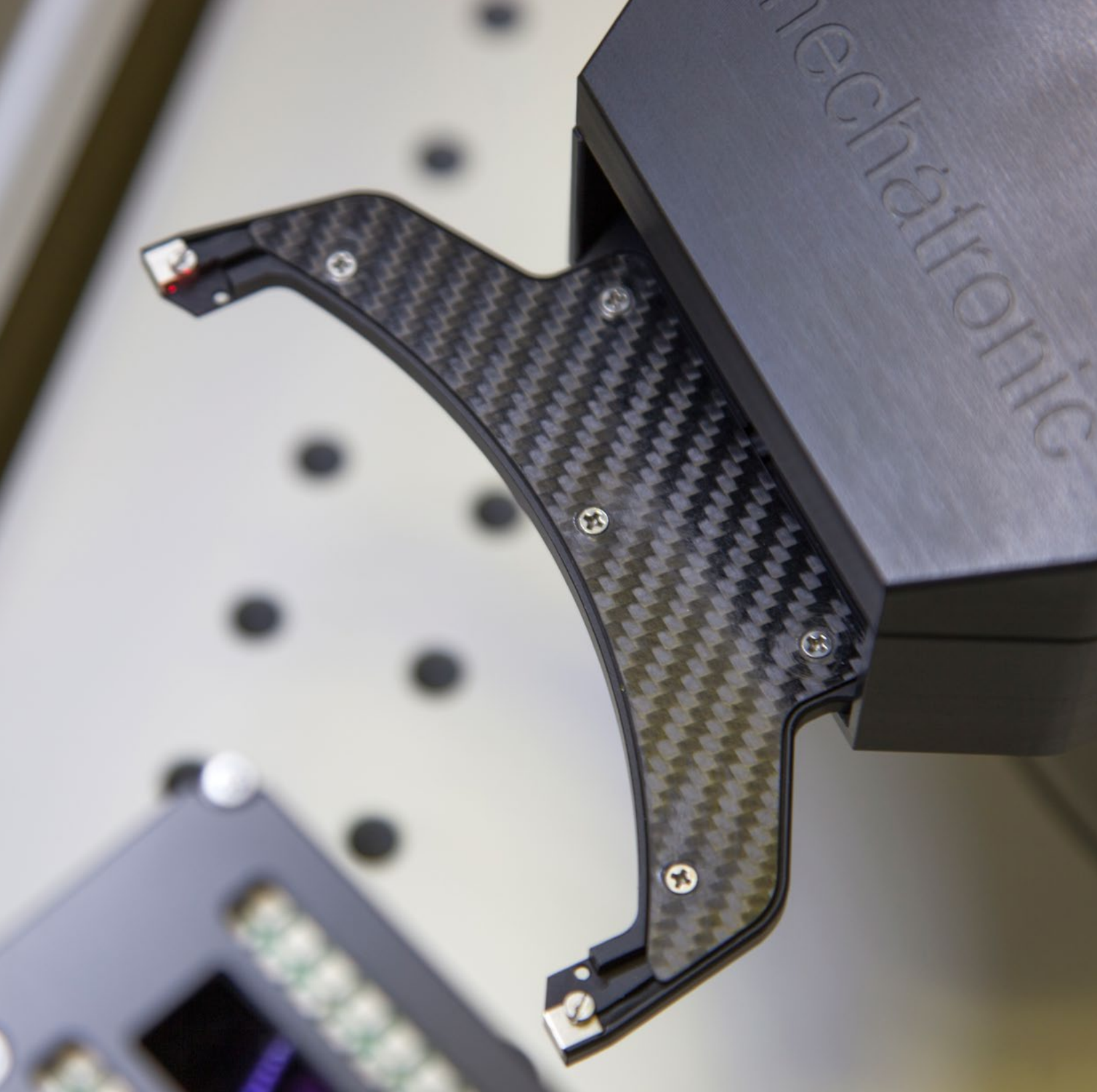
*Down to > 50 µm
Highly sensitive
Max. warpage*

Handling

*100, 150, 200, 300, 450 mm
Chip side & back side grip
Fully automated*

Portfolio

*Sorter, Packer, Ring Remover
Loader for OEM -integration
Components and modules*



thin-wafer mapping device

Trumps in the Customer's Hand

mechatronic systemtechnik has a wide product range with perfectly coordinated individual units so that every customer can achieve the ideal solution to its needs – without compromise.

Expansion of the configuration is straight forward – in depth and width. Production can go deeper by adding functions to match requirements and throughput can be increased by adding capacity.

State-of-the-art Manufacturing Facilities

mechatronic systemtechnik has all the skills and expertise that are required for developing and producing equipment for the semiconductor industry, including state-of-the-art metalworking and engineered plastics.

All systems are assembled and tested in our cleanroom to ISO class 6. mechatronic is certified according to ISO 9001 and ISO 14001.

mechatronic systemtechnik supplies handling systems which offer superior reliability, maximum availability and consistently reproducible quality.

Choosing handling equipment from mechatronic systemtechnik has multiple benefits. It is a secure investment for the future and provides semiconductor producers with unrivalled competitive advantages.

System

*Modular design
Flexible upgrade
High reliability*

Clean room

*600 m²
ISO-class 6*

Production

*In-house pre-assembling area
(components and modules)
Mechanical and plastics manufacturing*



mechatronic clean room

On-Site Worldwide

mechatronic systemtechnik offers every service that demanding customers expect to secure their manufacturing capability. This means competent and specialized support from consulting and planning to project management, installation, training, production support and customer services.

Superior, high-grade manufacturing systems plus comprehensive customer support are convincing more and more customers from the semiconductor industry that mechatronic systemtechnik is the right partner with the right solution.

Global Presence

Wherever you are in the world, if you need the latest equipment for wafer handling, the right address is never far away. mechatronic systemtechnik operates in Europe, Asia and the the United States through a network of selected, competent distributors. They work closely with our teams of experienced application engineers who are there to support you around the clock.



Global Service

*On-site customer support
Local spare parts stock*

Global Presence

*Europe
Asia
USA*

we can handle it

mechatronic systemtechnik gmbh

Tiroler Straße 80
9500 Villach
Austria

phone +43 (0) 4242 33 999 - 0
fax +43 (0) 4242 33 999 - 10
mail office@mechatronic.at
web www.mechatronic.at

