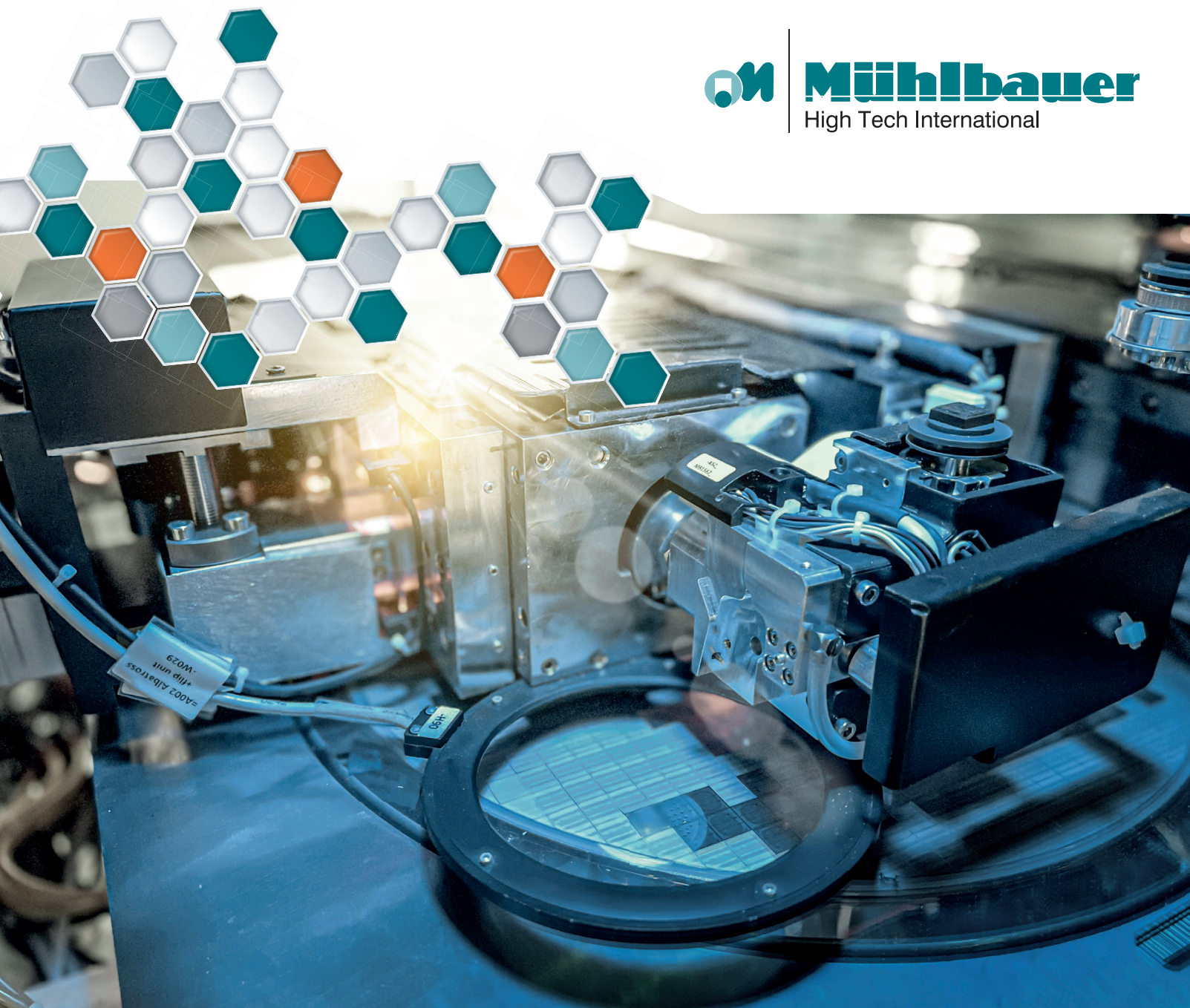




**Mühlbauer**  
High Tech International



# DISCOVER MÜHLBAUER'S **WORLD LEADING** **DIE SORTING SYSTEMS**

**VISIT OUR COMPETENCE CENTER**



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# DIE SORTING SYSTEMS

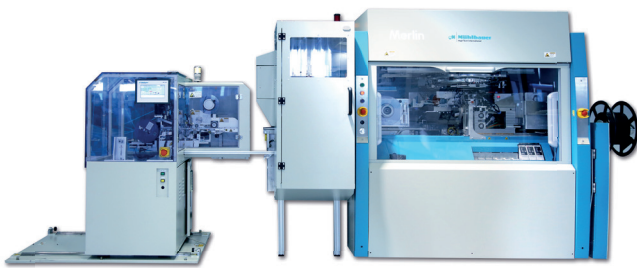


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## DS VARIATION ECOLINE MOST FLEXIBLE DIE SORTING SYSTEM

- Flexible machine with speed up to 6,000 UPH
- 100 % high resolution inspection with sidewall inspection and IR capability
- 100 % traceability
- 6-in-1 system
- Flip & non-flip
- Wafer-to-Wafer
- Tape & Reel / Reel-to-Reel
- Waffle Pack / Gel-Pak®
- JEDEC tray / Custom tray
- MPW – multi-project-wafer



## DS MERLIN HIGH SPEED DIE SORTING SYSTEM

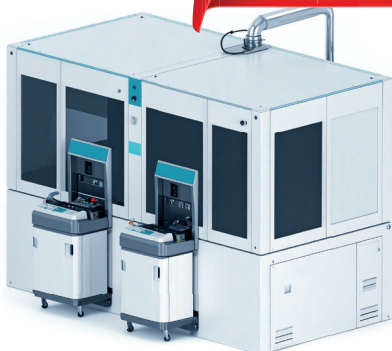
- High-speed machine with up to 55,000 UPH
- 100 % traceability with MB PALAMAX®
- 100 % 6-side inspection & IR inspection
- Flip or non-flip capability
- Wafer-to-Wafer / Wafer-to-Panel / JEDEC tray
- Tape & Reel / Reel-to-Reel capability
- High placement accuracy ( $\pm 30 \mu\text{m}$ )
- Automatic Reel Changer



## DS ALBATROSS BIG DIE AND MULTI BIN SORTER

- Advanced packaging solution with up to 8,000 UPH and multiple output bin capabilities
- 100 % AOI inspection including sidewall & IR
- Flip or non-flip capability
- Wafer / tray to 6x Tape & Reel
- Wafer / tray to 4x JEDEC trays (waffle packs)
- Gem300 compliant
- Loadport compliant + OHT/AGV » Smart factory compliant
- Automatic tool changer, ready for Lights-out-Factory
- Online force control and soft landing

**NEW**



## DS VARIATION PRO ADAPTIVE DIE SORTING SOLUTION

- Flip or non-flip up to 6,000 UPH or even 12,000 UPH with multi-pick head
- 100 % traceability & Smart Factory with MB PALAMAX®
- 6-side inspection with full UPH and IR inspection
- Flip & non-flip
- Online force control
- Automatic tool changer, ready for Lights-out-Factory
- Clean room class ISO 6
- Optional  $\pm 10 \mu\text{m}$  placement accuracy



**MB PALAMAX®**  
TOTAL PROCESS TRANSPARENCY

Mühlbauer's PALAMAX® Smart Factory software provides a highly-efficient interface for managers, supervisors, process engineers, maintenance technicians and operators who are tasked with process monitoring and the statistical analysis of the production process. Furthermore, MB PALAMAX® reliably supports the optimization of production planning and the improvement of controlling.