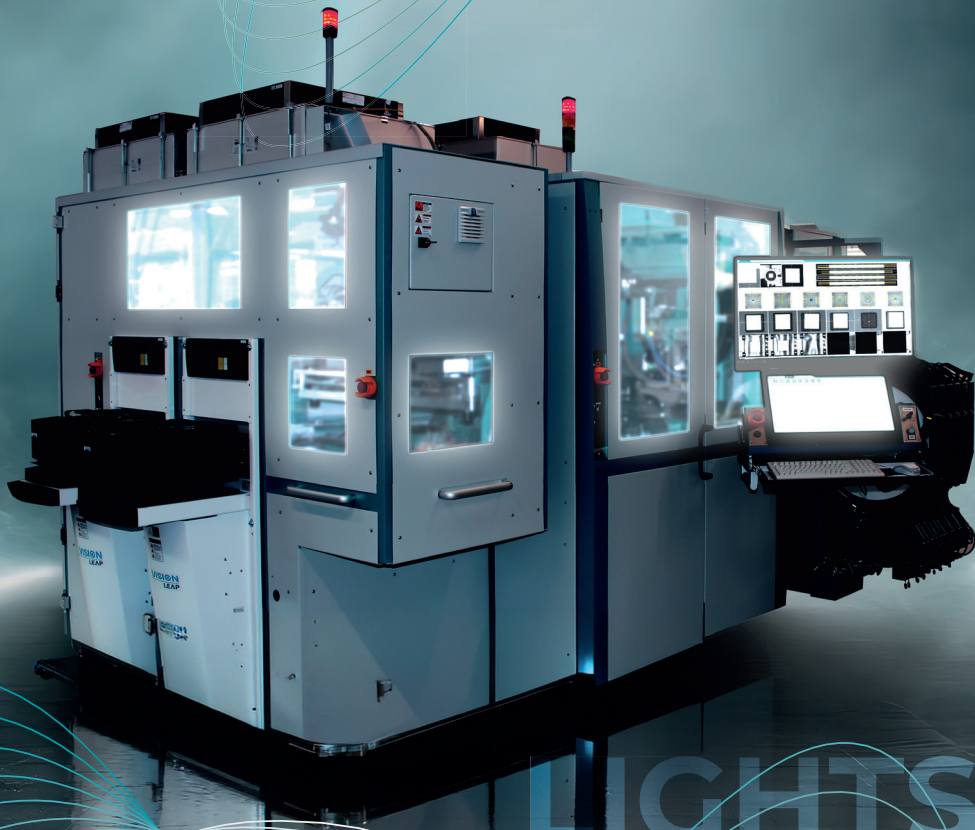


DISCOVER MUEHLBAUER'S WORLD LEADING
DIE SORTING SYSTEMS
WHERE AI MEETS ADVANCED PACKAGING



LIGHTS-OUT
FACTORY

speed. independence. reliability.



HIGH SPEED

DS MERLIN 60000

THE WORLD'S BENCHMARK IN DIE SORTING:
ULTRA HIGH-SPEED TECHNOLOGY
WITH AI-DRIVEN VISION INSPECTION

- Maximum output up to 1M dies per day
- Integrated 1 μm inspection replaces external AOI
- AI-supported vision improves yield (> 50 %)
- Full 6-side inspection at production speed
- NIR & SWIR inspection reduce false rejects



AUTOMATION

MB ALBATROSS

MULTI-BIN DIE SORTING FOR LARGE DIES
AND AUTOMATED BACKEND PRODUCTION

- Dual handling for maximum net throughput
- Fully automated changeover < 30 min
- Coplanarity control for warpage-sensitive dies
- Large die support up to 45 mm
- Lights-out ready with GEM300 automation



FLEXIBILITY

DS VARIATION PRO

FLEXIBLE HIGH-PERFORMANCE
DIE SORTING WITH
ADVANCED INSPECTION

- Placement accuracy down to $\pm 10 \mu\text{m}$
- 1 μm inspection for high-end applications
- Wide die range from 0.2 to 50 mm
- Automated changeover without operator
- Multi-format and multi-bin capability



EFFICIENCY

DS VARIATION ECO-LINE

HIGHLY FLEXIBLE AND COST-EFFICIENT
HANDLING SYSTEM

- Lowest cost-of-ownership entry solution
- Optimized for high-mix production
- Flexible multi-format support
- Placement accuracy $\pm 30 / \pm 20 \mu\text{m}$
- Fast ROI and low investment risk



Visit our **COMPETENCE CENTER: Muehlbauer Headquarters**

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