

Wafer: 125mm
Capacity: 4800 wafers/hr.
Uptime: > 97%
Breakage: < 0,08%

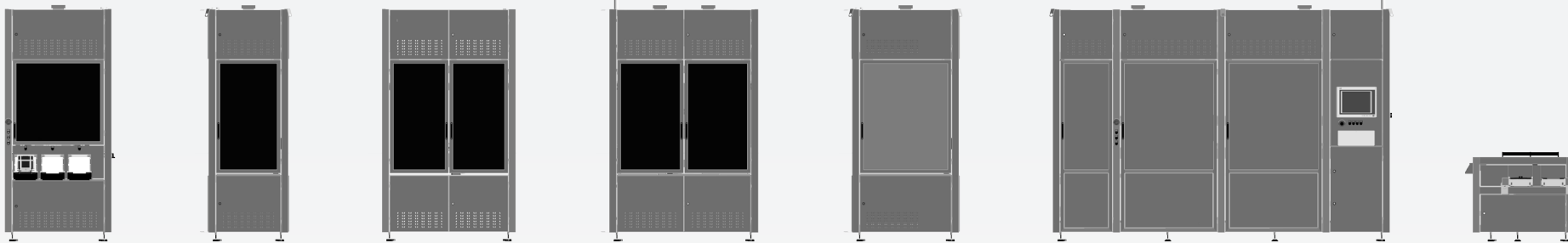


CELL TESTER & SORTER 4800+

In the back-end of solar cell production, cell-testing and -sorting modules measure the various levels of quality and assign each cell to the designated module class. The finally tested and classified cells need to be placed gently into storage or transportation boxes. The Jonas & Redmann CTS 4800+ is a high performance solution designed for the highest demands in quality check, classification and sorting of crystalline silicon solar cells.

- highest throughput in the market due to two lane concept
- customer specific solutions available due to modular design regarding hardware, software, measurement and classification
- gentle wafer handling minimizes stress on cells
- suitable for very thin cells and various cell concepts such as laser fired contact cells, MWT, EWT and back contact cells
- MES connection, Semi PV 02 standard

Features and Options: Automation, Inspection and Sorting



Loading Module
Front Side
Rear Side
IV-curve
μ-crack
Sorting Module
Unloading Module

| LOADER | TESTER | | | | SORTER | UNLOADER |
|-------------------------------|--------------------|---------|-----------------------|-------------------|--------------|------------------------------------|
| | OPTICAL INSPECTION | | ELECTRICAL INSPECTION | OTHERS | | |
| | Front | Rear | | | | |
| inline | imprint | imprint | IV-curve | μ-crack | 40-fold | input & output automatic or manual |
| inline incl. buffer | color | | hot spot | photoluminescence | 56-fold | |
| stand alone stack | geometry | | electroluminescence | bow | 72-fold | |
| stand alone carrier | contamination | | | | box labeling | |
| stand alone stack and carrier | holes | | | | | |