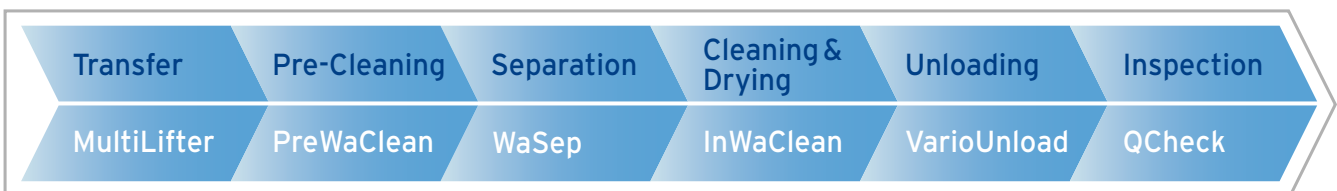


# SOLAR Wafer Cluster



## Outstanding processes and high yield

Cleaning, ungluing, separation, characterisation, sorting - the RENA Wafer Cluster is the perfect solution for your complete wafer production after sawing. All steps are optimised for multi or mono wafers - guaranteeing the best cost of ownership on the market.



### Features and benefits

- Complete process and equipment integration after sawing

|             |                                  |  |
|-------------|----------------------------------|--|
| MultiLifter | Brick transport system           | Precise saw loading / unloading                      |
| PreWaClean  | Brick pre-cleaning               | Effective pre-cleaning with special showerhead       |
| WaSep       | Wafer separation                 | Gentle underwater separation                         |
| InWaClean   | Inline wafer cleaning and drying | Best cleaning results and high yield                 |
| VarioUnload | Unloading system, multi lane     | High throughput thanks to continuous wafer transport |
| QCheck      | Quality inspection system        | High throughput wafer characterisation               |

- Higher production yield through reduced breakage rates
- Reduced operator costs

Optional:

- Connection to MES
- Tracking with Transponder / Barcode





## Technical Data Wafer Cluster

|                 |   |
|-----------------|---|
| Dimensions      | PreWaClean - pre-cleaning:<br>5200 x 2700 x 3000 mm (length x width x height) with 1080 mm loading length<br><br>WaSep - separation, InWaClean - fine cleaning, VarioUnload - unloading, QCheck - characterisation and sorting:<br>21800 x 9700 x 2400 mm (length x width x height) |
| Wafer size      | 156 mm  |
| Throughput      | PreWaClean - pre-cleaning, WaSep - separation, InWaClean - fine cleaning, VarioUnload - unloading,<br>QCheck - characterisation and sorting:<br>7000 wafers/h   |
| Wafer thickness | > 160 µm  |