

SOLAR

VarioUnload

R|E|N|A|.



Unloading for PV processing systems

RENA VarioUnload is designed for unloading PV processing systems. The modular design can unload in stacks, carriers or a single-lane downstream process step. Key system benefits include flexible format and low footprint, reliability and low breakage rate.

Areas of application

- Unloading of wafers from inline or batch processing systems
- Effective and automatic handling in stacks, carrier or a single-lane downstream process step

Features and benefits

- Optimised compatibility to all RENA tools
- Modular design for individual configuration
- Easy to maintain
- High throughput thanks to continuous wafer transport
- Low cost of ownership
- Low breakage rate

Optional:

- Connection to MES
- Optimised adaption to inspection system RENA QCheck





VarioUnload

Technical Data VarioUnload

Process moduls	<ul style="list-style-type: none"> • Unification System • Breakage discharge 	
Optional	<ul style="list-style-type: none"> • Stack Splitter, Stack Buffer • Carrier Buffer • Cross Conveyor 	
Dimensions	Depending on module combination min. 850 x 2150 x 2350 mm, max. 2950 x 2150 x 2350 mm (length x width x height)	
Wafer size	125 and 156 mm	
Optional	210 mm	
Wafer thickness	> 160 µm	
Breakage rate	< 0.05 %	
Throughput	max. 3600 wafers/h netto	
Uptime	> 98 %	
Media consumption	<ul style="list-style-type: none"> • Compressed air • Electricity 	approx. 10 - 250 l/h 200 - 400 V AC + 5 % 3Ph+N+PE 50 Hz < 32 A