



One-Stop Upgrade Service Provider for Solar Panel Production Lines



Reduce Manpower

Accelerate ROI

Boost Efficiency

Stabilize Quality

General Manager

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Company Profile

YN Solar PV Equipment Co., Ltd. was founded in Shenzhen in 2015. Our main products include stringers, tabber-stringers, busbar machines, edge trimming machines, tabber & busbar integrated machines, PCB V-cut machines, inline EVA cutting machines, inline glass loaders, as well as layout and installation services for customized automatic production lines.

For years, we have been committed to forging solid partnerships with enterprises of all sizes. We help manufacturers tackle pain points such as labor shortages, high labor costs, difficult manpower scheduling, inconsistent product quality and long payback periods. Let automation cut your operating costs, and consistent quality win your orders.

For PV production line upgrading, we are your reliable choice!

Machine Shop



100W-550W

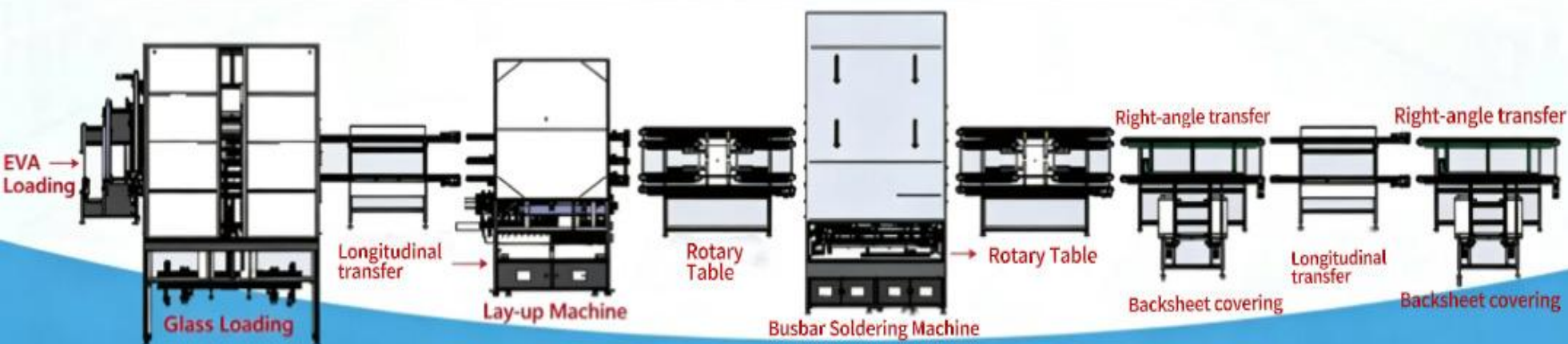
Glass Loading Machine, Lay-up Machine, Bussing Machine

Solar Panel Production Line

► Model: YN-710

YN-PBJ-210

YN-HLJ-530



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■ Equipment Performance

1. This machine adopts an integrated design of translational glass loading and EVA pulling. The busbar merging machine applies state-of-the-art high-frequency electromagnetic welding technology, compatible with all conventional mono/polycrystalline solar cells.
2. Compatible glass size: max. 1960*990 mm, min. 400*400 mm.
3. Compatible EVA width: min. 400 mm, max. 990 mm.
4. Supports layouts for 3, 4, 5, 6-cell string modules (minimum glass width: 540 mm), and half-cut cell layouts for 8, 10, 12-cell strings. Busbar merging available at both ends and middle positions for 1, 2, 3, 4, 5, 6, 8, 10, 12-cell strings.
5. Solar cell specification: compatible with all grid types for cell sizes from 125 mm to 210 mm.
6. Busbar specification: 4–8 mm.
7. Cell string specification: string length ranging from 750 mm to 2400 mm.

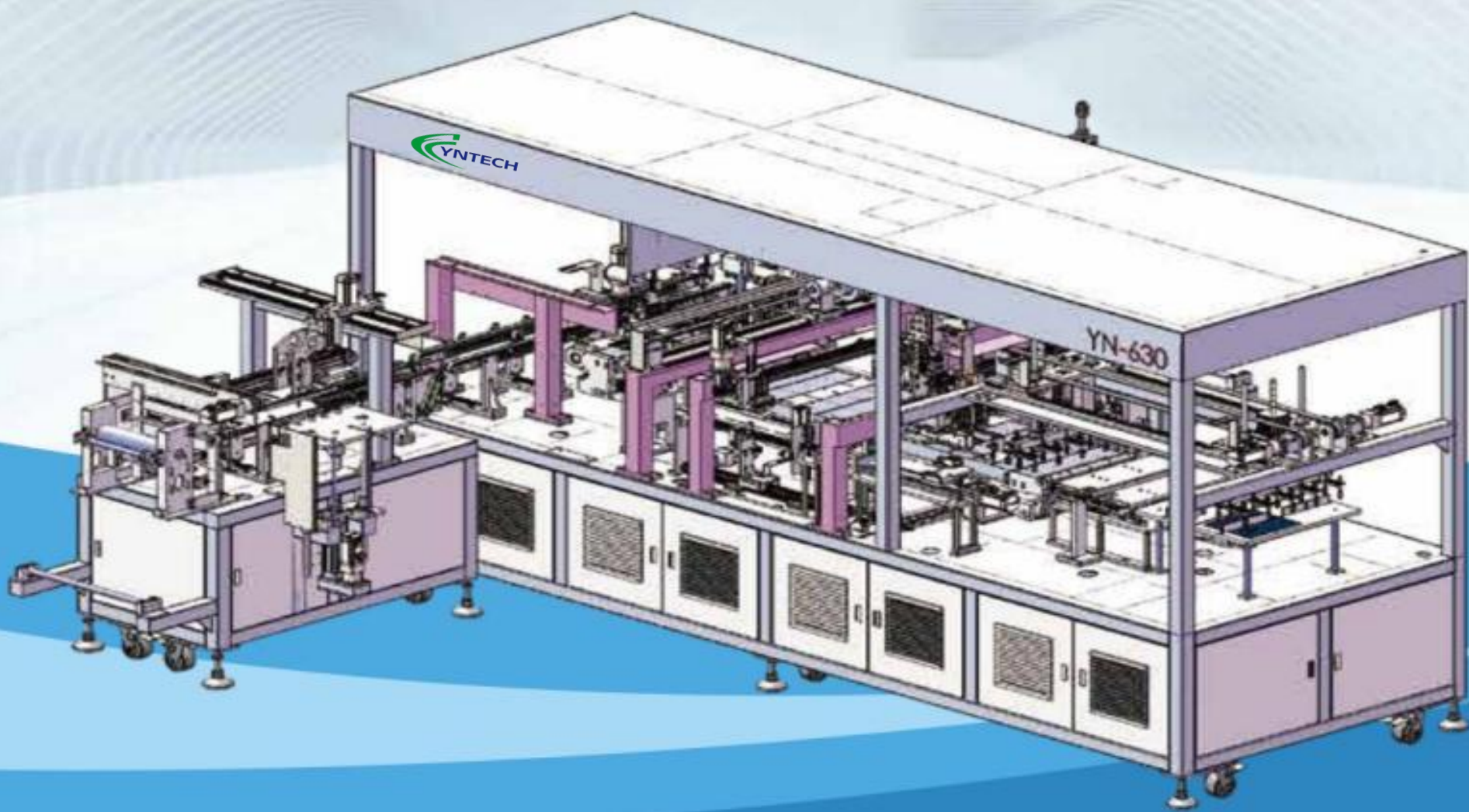
■ Equipment Parameters

Specifications	String Length (mm)	Throughput (strings/h)	String Layout
1–6 Strings	1000-2400	109	1×1 (Single-Module Output)
8 Strings in Upper & Lower Rows, Two-Section Layout	500-1200	109	1×1 (Single-Module Output)
12 Strings in Upper & Lower Rows, Three-Section Layout	500-1200	109	1×1 (Single-Module Output)
Pass Rate (A-Grade Yield)	> 97%		
Cell Width	125mm-210mm		
Cell String Pitch	1-10mm		
Power Supply	Peak Power	15KW	
	Rated Power	10KW	
Air Supply	0.5-0.8MPA		
YN-710 Machine Dimensions	3200 (L) *2800 (W) *2300 (H) mm		
YN-PBJ-210 Machine Dimensions	2800 (L) *2500 (W) *2000 (H) mm		
YN-HLJ-530 Machine Dimensions	4250 (L) *2200 (W) *1900 (H) mm		

10W-30W

PV Module Layup & Bussing Integrated Machine

► Model:YN-630



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■ Equipment Performance

1. This equipment adopts the most advanced high-frequency electromagnetic (HF induction) welding technology and is compatible with all conventional monocrystalline and polycrystalline solar cells of standard specifications.
2. Compatible with busbar interconnection at both ends of the cell string, tab/lead wire soldering, and insulation strip lamination.
3. Cell string specifications: string width 52–105mm, string length 100–350mm, compatible with 2-busbar (2BB) and above cell strings.
4. Busbar specifications: 2–6mm.
5. Main busbar tabbing requirement: compatible with soldering of 2-busbar (2BB) and above tabbing ribbons.
6. Busbar specifications: thickness 0.12–0.3mm, width 2–6mm.
7. The equipment integrates the following functions: automatic glass loading, EVA sheet laying, busbar layout & placement, tab/lead wire soldering, insulation isolation strip application, power testing, cell string heating & positioning, and backsheet lamination with tab lead threading.
8. Single-string flying-wire (pigtail) function available.

■ Equipment Parameters

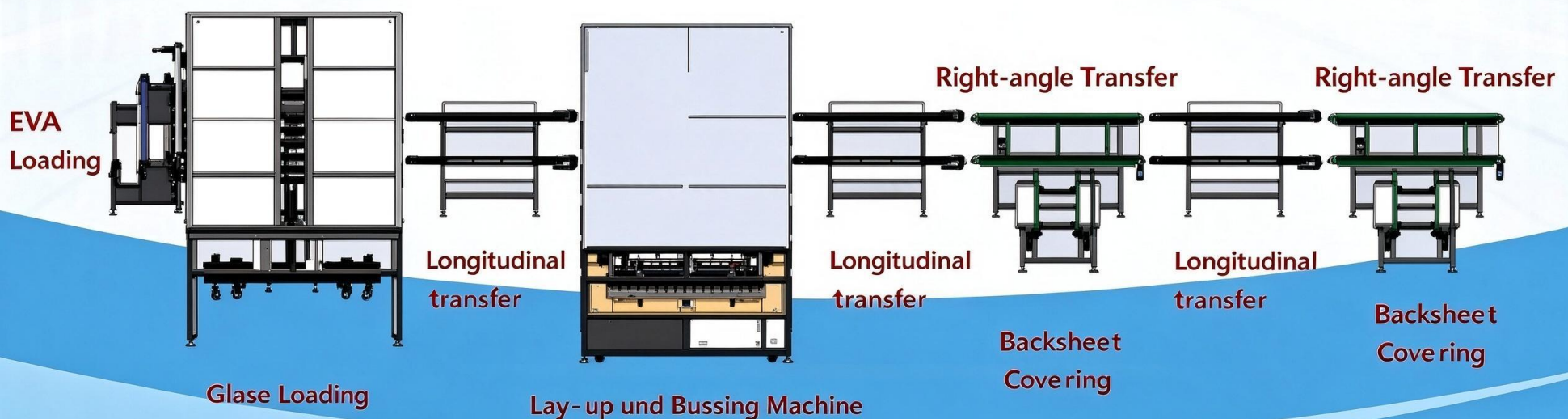
Specifications	String Length (mm)		Cycle Time
String Length (mm)	100-400		10-13
Cell Width	52-105		10-13
	125-210		10-13
Pass Rate (A-Grade Yield)	> 97%		
Cell Width	52mm-210mm		
Cell String Pitch	1mm-10mm		
Power Supply	Rated Power		6KW
Air Supply	0.5-0.8MPA		
YN-630 Machine Dimensions	3500mm (L) *1300mm (W) *1800mm (H)		

40W-300W

Glass Loading Machine, Layup & Bussing Integrated Machine

Solar Panel Production Line

- Model: YN-710
YN-730



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■ Equipment Performance

- 1. The equipment adopts an integrated design featuring translational (slide-in) glass loading and automatic EVA drawing/pulling. The busbar layout & tabbing integrated machine employs the most advanced high-frequency electromagnetic (HF induction) welding technology and is compatible with all conventional monocrystalline and polycrystalline solar cells of standard specifications.
- 2.Maximum compatible glass size: 1960×990mm; minimum compatible glass size: 400×400mm.
- 3. EVA minimum compatible width: 400mm; maximum compatible width: 990mm.
- 4.Cell strings compatible with 2-, 3- and 4-busbar dual-end interconnection (tab soldering at both ends), double-string insulation strips, and lead wire soldering.
- 5. Cell string specifications: string width 78–210mm, string length 300–2000mm (compatible with 2BB / 2-busbar and above).
- 6. Busbar specifications: 3–6mm.

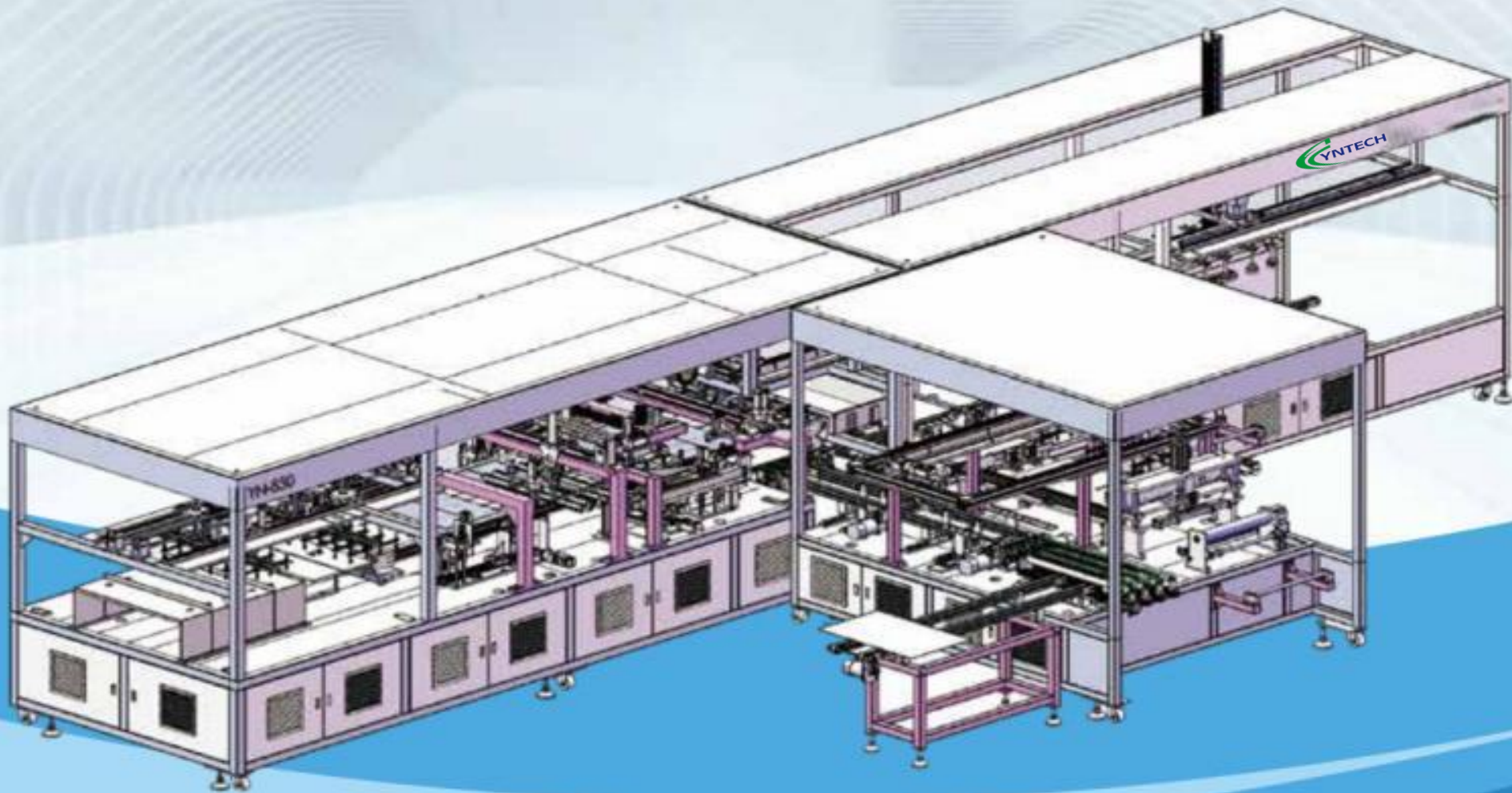
■ Equipment Parameters

Glass Length (mm)			Glass Width (mm)			Throughput (modules/h)	
1960			990			80-100	
400			400				
Specifica tions	String Length (mm)	Through put	String Layout	Specifica tions	String Length (mm)	Through put	String Layout
Single- Module (1-Up)	900–200 0	80-120	1-Up Layout	Dual- Module (2-Up)	300–900	160-180	1-Up Layout
Pass Rate (A-Grade Yield)			> 97%				
Cell Width			78-210mm				
Cell String Pitch			1mm-10mm				
Power Supply		Peak Power		15KW	Rated Power		10KW
Air Supply			0.5-0.8MPA				
YN-710 Machine Dimensions			3200 (L) *2800 (W) *2300 (H) mm				
YN-730 Machine Dimensions			4150 (L) *2720 (W) *2000 (H) mm				

6W-40W

PV Module Layup & Bussing Integrated Machine

► Model: YN-830



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■ Equipment Performance

- 1.This equipment employs the most advanced high-frequency electromagnetic (HF induction) welding technology and is compatible with all conventional monocrystalline and polycrystalline solar cells of standard specifications.
2. Compatible with 1-, 2-, 3- and 4-string cell strings for layout, busbar interconnection and tabbing/soldering.
3. Compatible with dual-end busbar interconnection/soldering of cell strings and double-string lead wire soldering.
4. Cell string specifications: string width 78–210mm, string length 200–700mm.
5. Main busbar tabbing requirement: compatible with soldering of 2-busbar (2BB) and above tabbing ribbons.
6. Busbar specifications: thickness 0.12–0.3mm, width 2–6mm.
- 7.The equipment integrates the following functions: automatic glass loading, EVA sheet laying, busbar layout & placement, tab/lead wire soldering, insulation isolation strip application, power testing, cell string heating & positioning, and backsheet lamination with tab lead threading.

■ Equipment Parameters

Specifications	String Length (mm)	Cycle Time
String Length (mm)	200-700	10-13S
Cell Width	78-210	10-13S
Pass Rate (A-Grade Yield)	> 97%	
Cell Width	52mm-210mm	
Cell String Pitch	1mm-10mm	
Power Supply	Rated Power	15KW
Air Supply	0.5-0.8MPA	
YN-830 Machine Dimensions	8500mm (L) *1700mm(W)*2000mm(H)	



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