

CHARACTERISTICS

- BREAKAGE LESS THAN 0.2%
- PATENTED HYBRID SOLDERING TECHNIQUE
- WORKS WITH PERC, HJT, BI-FACIAL, MONO AND POLY CELLS
- LOW MAINTENANCE OPERATIONS REQUIRED
- 4 BUS BAR STANDARD SOLDERING
- WORKS WITH 5", 6" & CUT CELLS
- COMPACT FOOTPRINT
- SUITABLE FOR BIPV MODULES

CAPACITY
700
CELLS/HOUR

STANDARD

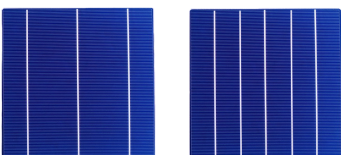
4BUS BAR

UP TO
5 BUS
BAR
CELLS

OPTIONALS

3 & 5 BUS BAR

3&5 bus bar operation

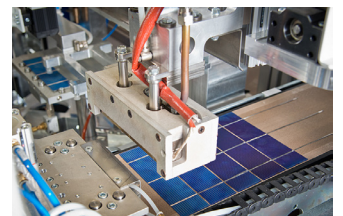


CELLS INSPECTION

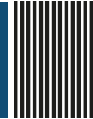
Camera for detection of broken cells before soldering



CUT CELL KIT



Images for illustrative purposes only



TECHNICAL SPECIFICATIONS

THROUGHPUT (4.5W/cell, 22.5 h, 300-330 days/year)	700 cells/hour; 55MW-60MW/year
TECHNICAL AVAILABILITY	>95%
SOLDERING TECHNOLOGY	Hybrid, hot air and contact combined in order to avoid thermal stress
CELL BASKET LOADING	Automatic, with double loading baskets
SOLAR CELL THICKNESS	160µm-300µm
RANGE OF CELL DIMENSIONS	standard: from 156x156mm to 156,75x156,75mm with cut cells kit: 39x156mm/39x156,75mm-135x156mm/135x156,75mm
CELL INSPECTION	Vision system for alignment - standard, micro-cracks detection - as optional
ALIGNMENT	Performed both optically and mechanically
RIBBON POSITIONING ACCURACY	± 0,1 mm
RIBBON SIZE	1,1-2,0 mm
BUS BAR COMPATIBLE	4 (standard), 3 and 5 (optional)
SOLDERING TEMPERATURE	360°C
FLUX APPLICATION METHOD	Immersion
STRING LENGHT	Adjustable from 1cell to 12 cells
DISTANCE BETWEEN CELLS	2mm ~ 35mm
OPERATORS REQUIRED	1 operator for 3 units
OPERATOR INTERFACE	User friendly touch-screen with different languages available
REMOTE ASSISTANCE	Provided with Internet connection
CHANGEOVER TIME FOR DIFFERENT BUS BAR	Approx. 30min
STRING FLIPPING DEVICE	Included on the unload belt
WARRANTY	12 months

UTILITY SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
LINE	3P+N+E
VOLTAGE	400 V
FREQUENCY	50/60 Hz
PEAK POWER	10 kW
POWER CONSUMPTION	3 kW
MAX CURRENT	12A
PRE FUSE	20 A
AIR CHARACTERISTICS	
AIR PRESSURE	6 bar
AIR CONSUMPTION	520 NL/1'
AIR PEAK FLOW	700 NL/1'
AIR CONNECTION	1/4"
DIMENSIONS	
HEIGHT	1800 mm
LENGHT	3880 mm
WIDTH	1320 mm
CE WEIGHT	700 kg

* Available also with different voltages, according to criteria of the place of installation. To be defined at order if with implementation of transformers or with modification of the electrical board of the machine.