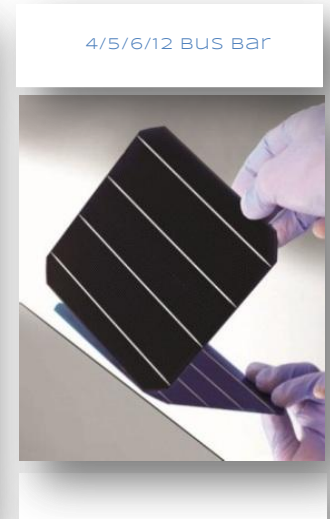
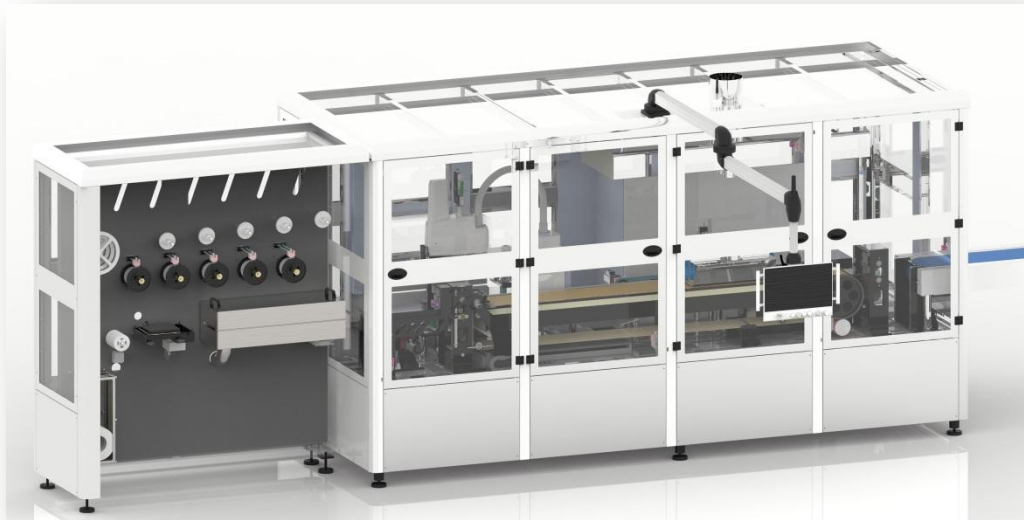




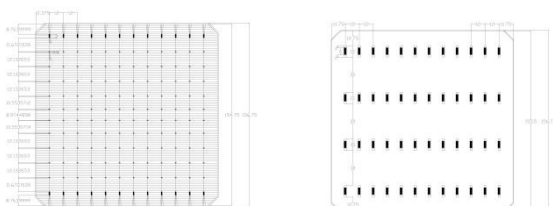
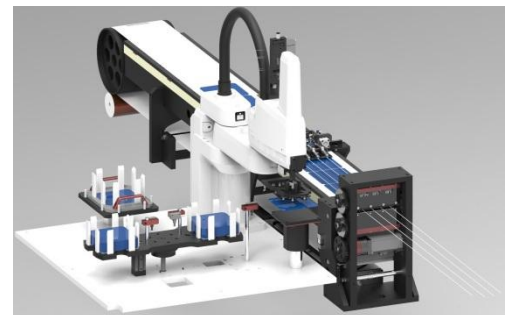
MCS-STS-1500

MCS TABBER STRINGER PV CELLS



FEATURES

- ✓ Built with high quality materials.
- ✓ High accuracy cell alignment.
- ✓ High Precision ribbon handling and positioning.
- ✓ Contactless IR light soldering process with full close loop.
- ✓ Homogeneous temperature distribution on cells.
- ✓ Very low cell breakage < 0,1-0,3%.
- ✓ Cell thickness 160-300 Micron.
- ✓ Easy to upgrade **(5/6/12 bus bars)**.
- ✓ Cell Inspection (opt)
- ✓ Cheap and easy available spare parts.
- ✓ Teleassistance ready.



Technical data:

THROUGHPUT (4.5W/cell, 22.5 h, 300-330 days/year)	1500 cells/hour
SOLDERING TECHNOLOGY	IR Infrared
CELL BASKET LOADING	Automatic, 2 cell baskets included (Optional Automatic infeeding belt)
SOLAR CELL THICKNESS	160µm-300µm
RANGE OF CELL DIMENSIONS	156x156mm - 156,75x156,75mm
CELL INSPECTION	Optional
ALIGNMENT	Performed both optically and mechanically
RIBBON POSITIONING ACCURACY	± 0,1 mm
RIBBON SIZE	0,4 mm -2,0 mm
BUS BAR COMPATIBLE	4-5 BB (standard), 12 (optional)
SOLDERING TEMPERATURE	200-250°C
FLUX APPLICATION METHOD	Immersion
STRING LENGHT	Adjustable from 1 cell to 12 cells (more on request)
DISTANCE BETWEEN CELLS	2mm - 5mm (Adjustable)
OPERATORS REQUIRED	1 operator
OPERATOR INTERFACE	User friendly touch-screen with different languages available
REMOTE ASSISTANCE	Provided with Internet connection
CHANGEOVER TIME FOR DIFFERENT BUS BAR	Approx. 1 hour
STRING UNLOADING	Single belt system
UNLOADING SYSTEM (FLIPPING UNIT)	Optional
WARRANTY	12 months

Utility specifications

Electrical Characteristics

LINE	3P+N+E *
VOLTAGE	400 V *
FREQUENCY	50/60 Hz *
PEAK POWER	20 kW
POWER CONSUMPTION	6 kW
MAX CURRENT	30 A
PRE FUSE	40 A

Air Characteristics

AIR PRESSURE	6 bar
AIR CONSUMPTION	600 NL/1'
AIR PEAK FLOW	800 NL/1'
AIR CONNECTION	1/2"

Dimensions

HEIGHT	2100 mm
LENGHT	8000 mm
WIDTH	1800 mm
CE WEIGHT	1200 kg