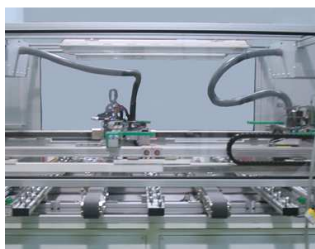


WITH US
IT'S POSSIBLE



Induction soldering head on servo-controlled axis



Automatic loading



Closed & pressurized flux circuit



Automatic loading of Interconnecting tabs

Introduction:

Interconnection is a critical process, which determines the final quality of the solar modules. It consists of soldering the lateral connection that joins the solar cells together electrically.

The Interconnection of Mondragon Assembly offers a great soldering precision and repeatability, obtained via the use of a vision recognition system and an Induction soldering process, which also avoids the formation of hot spots.



Characteristics:

- Soldering point location by means of vision. Great accuracy.
- Non-contact flux dosing system, with closed pressurized circuit.
- Induction soldering, without material supply, and without direct contact.
- Avoids hot spots.
- Pressed with constant pressure using non-conductive material, which prevents possible short circuits.
- Closed cooling circuit using water.
- Multiple process recipes. Different soldering parameters in one module possible.
- Permanent long-lasting soldering. No tool wear.
- Automatic loading/manipulation of module.
- Automatic loading of interconnecting tabs (optional)
- Immediate type change.

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General Specifications:

**Model for the production of modules measuring up to 2000x1100 mm.
(Other measures available upon request)**

- Maximum module size (mm)	2000 x 1100
- Soldering process	Induction
- Soldering point location	Vision
- Flux dispensing system	Drop-valve
- Flux circuit	No air circuit
- Loading / Unloading	Conveyor
- Soldering surface	All contact area
- Module breakage	No cell manipulation
- Model change time	Immediate

IC 10 :

Model with single soldering head on servo-controlled axis.

- Max. throughput	9 points/min
- Equipment dimensions (length x width x height)	3410x2900x2600

IC 20 :

Two soldering heads, each one on a servo-controlled axis.

- Max. throughput	18 points/min
- Equipment dimensions (length x width x height)	3410x3000x2600

IC 40 :

Four soldering heads on two servo-controlled axes. (two heads on each axis)

- Max. throughput	36 points/min
- Equipment dimensions (length x width x height)	3410x3000x2600