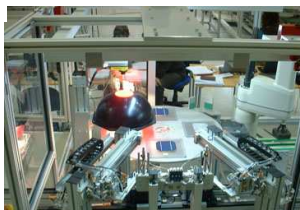


WITH US
IT'S POSSIBLE



Loading cells from stack



Surface inspection



Electrical test



Unloading

Introduction:

In order to achieve real use of the cell efficiency it is very important for the module to be composed of cells with similar electrical characteristics. The Mondragon Assembly cell testers measure a range of electrical parameters for the cells, and then divide them into batches with similar characteristics. Each batch is composed of the quantity of cells required to make up a module.

The programme offers the possibility of defining which parameters you wish to measure, so that it can be adapted to each application's specific needs. As an option, the system permits the integration of equipment, which verifies the surface quality, breakages, cracks, thicknesses, etc. before being processed in the tabber & stringer. In the same way and as an option, we offer packaging for the batches.

Specifications:

- Cell dimension range (mm)	5'' – 6''
- Cell thickness range (mm)	0.16 – 0.3
- Cell loading	Automatic
- Type of cell loading	Stack
- Max. quantity of cells per load	250
- Breakage control	Vision
- Surface quality control	Vision
- Free configurable parameters	U_o, I_{SC}, W/m², U_{mpp}...
- Other controls	Optional
- Thickness inspection	Optional
- Type of lamp	Xenon
- Simulator class at max. cell size	AAA
- Manufacturer of electronic load	Berger, ...
- Accuracy	< 0.5 %
- Max. throughput (125 x 125 mm cell)	2400 cells/hour
- Nominal throughput (125 x 125 mm cell)	2160 cells/hour
- Dimensions (length x width x height)	5050 x 2500 x 3250