PV MODULE MANUFACTURING SOLUTIONS
MACHINES FOR EVERY STEP OF THE PRODUCTION LINE

WWW.ECOPROGETTI.COM
Examples of PV panel installations made with Ecoprogetti machines
SPECIALIZED IN MACHINES AND TURN-KEY LINES FOR PHOTOVOLTAIC MODULE PRODUCTION.

Ecoprogetti is the only 100% European company to design, produce and deliver complete turnkey solutions for the production of High Quality Solar panels. Founded in 1998 Ecoprogetti is among the TOP 5 photovoltaic machine manufacturers for worldwide capacity.

ECOPROGETTI NUMBERS & FACTS

+11 GW production capacity supplied worldwide
+100 Employees worldwide
+135 Turnkey production lines delivered
+30 Years experience in production technology
5 Service Offices worldwide
PV MODULE PRODUCTION LINES
EVERY MACHINE FROM ONE TRUSTED EQUIPMENT PRODUCER

SINCE 1998

Ecoprogetti has a long history of more than 20 years both in production process and production of machines, our portfolio of machines is complete, from the beginning to the end of the module production process.

MADE IN ITALY

All Ecoprogetti machines are engineered, assembled and tested in Ecoprogetti’s HQ in Italy with the highest european standards and EU made components.

TECHNOLOGY INNOVATION

With extensive practical experience and with a dedicated R&D center Ecoprogetti can develop machines to work with the latest technologies on the market, such as bifacial sun simulators, shingling stringers, wire stringers, cut cells stringers, adhesive technology and much more.
FROM THE IDEA OF THE BEST PV MODULE TO THE MANUFACTURING SOLUTIONS THAT WILL PRODUCE IT.

POLY/MONO CRYSTALLINE  CUT CELLS, FLEXIBLES, GG  BIFACIAL, HIGH EFFICIENCY

AUTOMATIC BUSSING
The newest Automatic Bussing machine manages and operates the soldering of the interconnections of your PV modules.

FULLY ELECTRIC LAMINATOR
300MW PV MODULE PRODUCTION LINE
COMPLETE SOLUTION FOR PV MODULE MANUFACTURING

- 300 MW/year working 24/7
- 116 modules/h
- 8 operators per shift
- 2000 sqm production area required

GLOBAL LINE

1. Glass loader Robot
2. EVA Cutter & Placer
3. Stringer machine
4. String Layup Robot
5. Storage system
6. Automatic Bussing
8. EL tester (pre-lamination)
9. Electric laminator
10. Auto Trimming
11. Visual Inspection 90°
12. Auto Framing island
13. J-box application
14. Curing tunnel
15. LED Sun simulator
16. EL tester (post-lamination)
17. Hi-pot tester
18. Packing and Sorting

- 5.2 W/cell Mono
- 72 cells per module
- 3 shift of 8 hours
- 330 days/year
- 440 kW/h
- 6 bar 4000 nL/1'

ECOPROGETTI MES, Ecoprogetti’s Traceability System, from Order to Final product.

Consists in: Tracing of production orders, real time inventory management, real time machine status, raw material provisioning alerts, process parameters traceability, classification of panels, quality measures data collection, shipment orders data reference.
20 TO 45MW MODULE PRODUCTION LINE

45 MW/year WORKING 24/7
19 modules/h 7 operators per shift
550 sqm production area required

100 MW/year WORKING 24/7
58 modules/h 9 operators per shift
1100 sqm production area required

150MW FULLY AUTOMATIC PV MODULE PRODUCTION LINE

150 MW/year WORKING 24/7
58 modules/h 5 operators per shift
1200 sqm production area required
STRINGER MACHINES FOR YOUR PV PANEL PRODUCTION

Ecoprogetti tabber stringer machines allow to solder and assemble Solar cells together to compose the photovoltaic module.

ETS 4000 - Double lane 4000 cells/hour

- COMPATIBLE WITH 5 - 6 - 9 - 10 - 12 BB
- FULL CELLS
- HALF CELLS
- RUN 24/7
- CELL SIZE M2 M3 M4 M6 M10 M12 FOR ALL MARKET AVAILABLE PV CELLS

ETS 700 - Highly Dynamic stringer machine

- CUT CELL SOLDERING
  - 30mm
  - 78mm
  - 104mm
  - 135mm
  - 15.6.75mm AND UP TO 161.75mm

NEW!

FULL 6 BB SOLAR CELL

HALF CUT SOLAR CELL

EVO 3000 - Cut cells

HIGH FLEXIBILITY

EXAMPLE OF CELL DIMENSIONS
COMPLETE TRAINING SESSIONS, FULL KNOW-HOW TRANSFER

We provide our expertise on solar module production, covering each step of the production, costs optimization and certification of the photovoltaic modules. The training we provide guarantees that our clients will be able to produce High Quality Tier-1 PV modules.

We guarantee tailored consultation for any inquiry involving the making, enhancement, installation and certification of photovoltaic modules.

SERVICE WORLDWIDE, ALWAYS CLOSE TO YOU

Our Services:
• 360° Service & Support
• Innovative production solutions
• Complete trainings on production process
• Quality testing solutions
• Tailor made projects
• Raw material procurement
• Certification support
• Installation & Commissioning
• After sales support & Remote assistance

ECOPROGETTI’S AWARDS
• Intersolar Award 2018 with the 1st LED sun simulator for Bifacial modules.
• Gold award winner 2018 and 2019 as Manufacturing line Setup by Solar PV Module Tech India
MONITOR YOUR PV PANEL PRODUCTION

Strict Quality control at every stage of the production process ensuring higher energy yields over a long life span.

Fully automated EL Tester

- AUTO CONTACTING SYSTEM
- AUTO DETECTION SOFTWARE

Fully automated A+A+A++ LED sun simulator

- SUITABLE ALSO FOR BIFACIAL MODULES
- TUV CERTIFIED
- IEC 60904-9 ED.3 COMPLIANT

Automatic Cell tester

- AUTO DETECTION SOFTWARE

Automatic HI-POT tester

- INSULATION MEASUREMENT
MANUFACTURING EQUIPMENT FOR SOLAR PANEL PRODUCTION

LED CELL TESTER  AUTOMATIC GLASS LOADER  TABBER STRINGER
LAYUP STATION  AUTOMATIC BUSING  EL TESTER
EVA/BACKSHEET FOIL CUTTER  HIGH CAPACITY LAMINATOR  SILICONE DISPENSER
AUTOMATIC TRIMMING  AUTOMATIC J-BOX APPLICATOR  AUTOMATIC FRAMING STATION
VISUAL INSPECTION 90°  AUTOMATIC LED SUN SIMULATOR  AUTOMATIC PACKING & SORTING

ALL MACHINES ARE DESIGNED & MANUFACTURED IN ITALY
ECOPROGETTI ITALY - Headquarters
Via dell’Industria e dell’Artigianato 27/C, 22/D
35010 Carmignano di Brenta, PD, Italy
Contact Person
Managing Director: Ms. Laura Sartore
Tel.: +39 049 7444900
Mail: sales@ecoprogetti.com
Website: https://ecoprogetti.com

ECOPROGETTI INDIA
302, Regal Industrial Estate, Plot No 238,
Acharya Dhonde Marg, Sewree, Mumbai- 400015,
Maharastra State, India
Contact Person
Managing Director: Mr. Rajen Shah
Tel.: +91 9820068331
Mail: rajen.shah@ecoprogetti.com

ECOPROGETTI USA
All4-GP North America Inc.
345 Mira Loma Avenue, 91204 Glendale, CA, USA
Contact Person
Sales Manager: Mr. Mark Goscenski
Tel.: +1 818 515 8447
Mail: mark.goscenski@all4-GP.com

ECOPROGETTI MEA
A-4 SAIF Zone, Sharjah - UAE
Contact Person
Mr. Sartore
Mail: sales@ecoprogetti.com
Dubai tel.: +971 52 473 1970

ECOPROGETTI South East Asia
Elitech Trading Corporation
2nd Flr. Hakko Bldg., 1st St. Cor. 3rd St’,
United Parañaque Subd5, San Isidro, Sucat,
Parañaque City,
Philippines 1780
Contact Person
Sales Manager: Mr. Milo Fernandez
Tel.: (+632) 829-2295
Mail: milo@elitech.com.ph