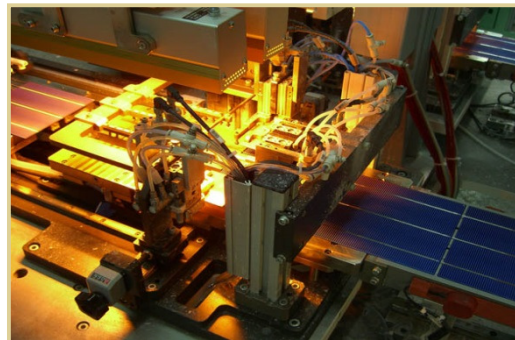


ONLINE-SALE

2 solar modules production lines



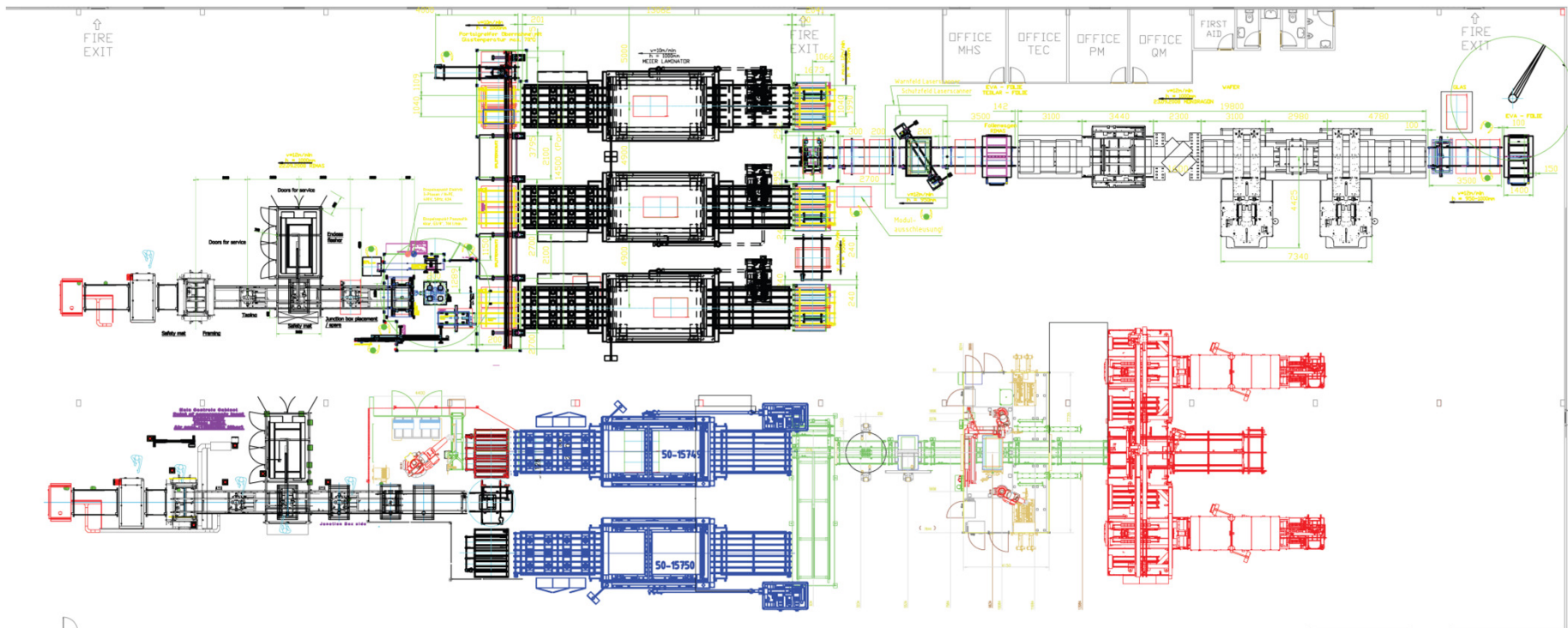
Investment is based on German know-how, German technology and strict Quality Control



85 MWp solar module production line



130 MW Somont PV Module Line



Somont 50 MW Line

Automated flashing



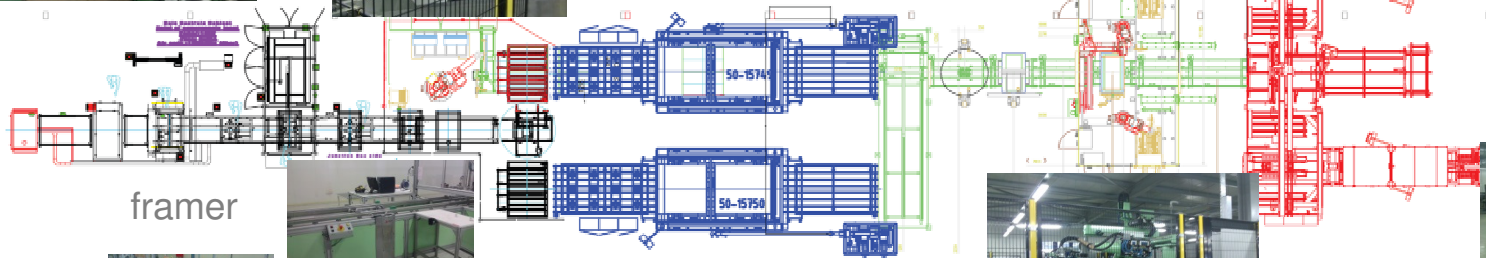
Laminate cooling



Trimming



Automated busing
incl. wire cutting
and bowing



Somont Rapid 4
with layup

framer



Junction
Box mounting



Meier laminator



busing



Machines at Somont 50 MW-Line

- 1 x Somont Rapid 4 Tab/Stringer Automat incl. Layup, Glass Plate Feeding, Ribbon Cutting Unit (Built 2010, first operation in April 2010)
- 1 x Reis Robotics Interconnection Station (Built 2010, first operation in April 2010)
- 2 x Meier Laminators Type ICOLAM 36/21 (Built in 2009, first operation April 2010)
- 1 x Reis Robotics Trimming Station (Built 2010, first operation November 2010)
- 1 x Endeas Flasher Type QUICKSUN 540LA (Built 2009, first operation in April 2009)
- 1 x MBJ Solutions Solarmodule Electroluminescence EL-Quickline (Built 2010, first operation in February 2011)
- 1 x Rimas semi-automatic Silicon Dispenser Station (Built 2008, first operation in April 2009)
- 1 x Rimas Framing Station (Built 2008, first operation in April 2009)
- GEROLD alignment, positioning, and feeding tables, transfer belts and inspection areas needed to have a fully functional Somont production line (Built 2008, first operation in April 2009)

35 MW-Line

Meier laminator with vacuum piping

Inspection before lamination

Flasher



Transfer system



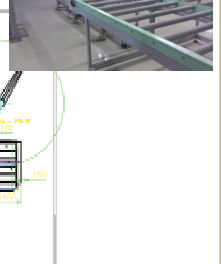
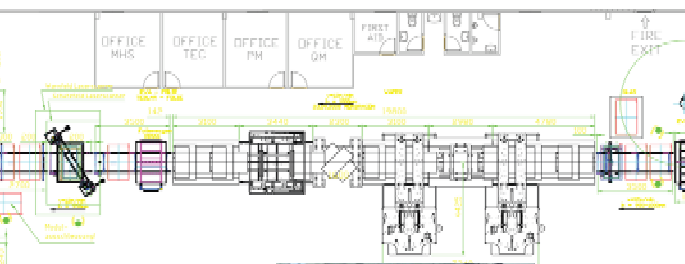
Layup and inspection



Glass / foil placement



framing



Back foil placement



EL tester

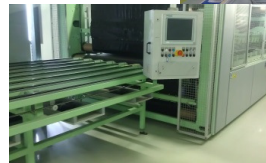


Trimming



Top transport to trimming (High 5m)

Meier laminator



Busing
Out area



Machines at 35 MW-Line

- 2 x Stringer Automat incl. Layup, Glass Plate Feeding, Ribbon Cutting Unit (Built 2010, first operation in April 2010, upgrades 2011/2011)
- 1 x Interconnection Station (Built 2008, first operation in April 2009)
- 1* Rimas post lamination and transport equipment (Built 2008, first operation in April 2009)
- 3 x Meier Laminators Type ICOLAM 36/21 (Built in 2008, first operation April 2009)
- 1 x Gerold Laminator unloading, glass handling and trimming line (Built 2008, first operation April 2009)
- 1 x Endeas Flasher Type QUICKSUN 540LA (Built 2009, first operation in April 2009)
- 1 x MBJ Solutions Solarmodule Electroluminescence EL-Quickline (Built 2010, first operation in February 2011)
- 1 x Rimas Framing Station (Built 2008, first operation in April 2009)

Offline equipment

Weiss climate chamber



Robust foil cutter
+ man. foil cutter



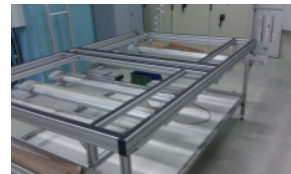
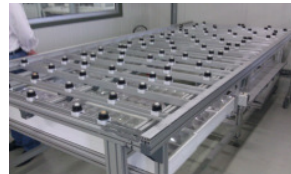
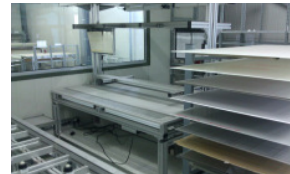
Man. framer



Meier man. laminator



2 string repair place
and add. inspection tables



Facility equipment

Power connection
with circuit breakers



3 Kaeser compressed air
systems



Power generators
400 V / 500 + 200 kVA







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