



Solar Panel Recycling Solutions

Stokkermill Solar is the industrial range dedicated to recycling end-of-life, damaged, or decommissioned photovoltaic panels. Three complete lines are available: the Entry-Level, for companies entering the sector with a controlled investment; the Delamination Line, for high-purity mechanical separation of glass, EVA, and silicon; and the Automatic Line, a continuous, fully automated plant for large-scale processing. Individual machines are also available separately: the HMS Delaminator, the XRS Delaminator, the Aluminum Separator, and the OS1000 Optical Sorter. Scalable, efficient, and reliable, Stokkermill Solar solutions support the circular economy and the sustainable development of the renewable energy sector.

**ONE STEP
AHEAD
IN THE
SOLAR PANEL
AND WEEE
RECYCLING**

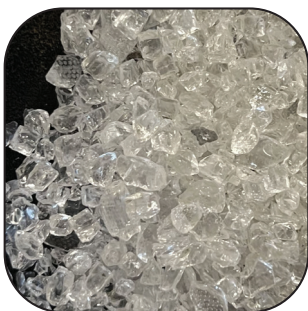
Entry-Level Line



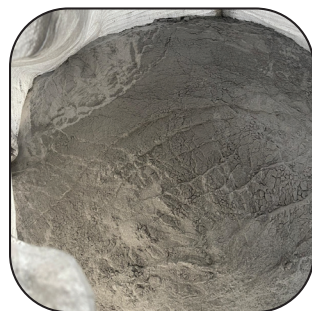
Stokkermill Solar mod. Entry-Level

The SOLAR-EL Entry Level plant by Stokkermill represents an innovative and modular solution for photovoltaic panel recycling. Designed for companies looking to enter the sector with a controlled investment, the line processes between 800 and 1000 kg/h, ensuring a high recovery rate of materials. The process includes mechanical removal of the aluminum frame, intensive delamination, and refining of the fractions to obtain high-purity glass, aluminum, silicon, and copper. Thanks to its modular structure, the plant can be easily upgraded into a fully automatic line of the SOLAR series, increasing production capacity, automation, and operational efficiency without modifying the original installation.

Output Materials:



Glass



Silicon

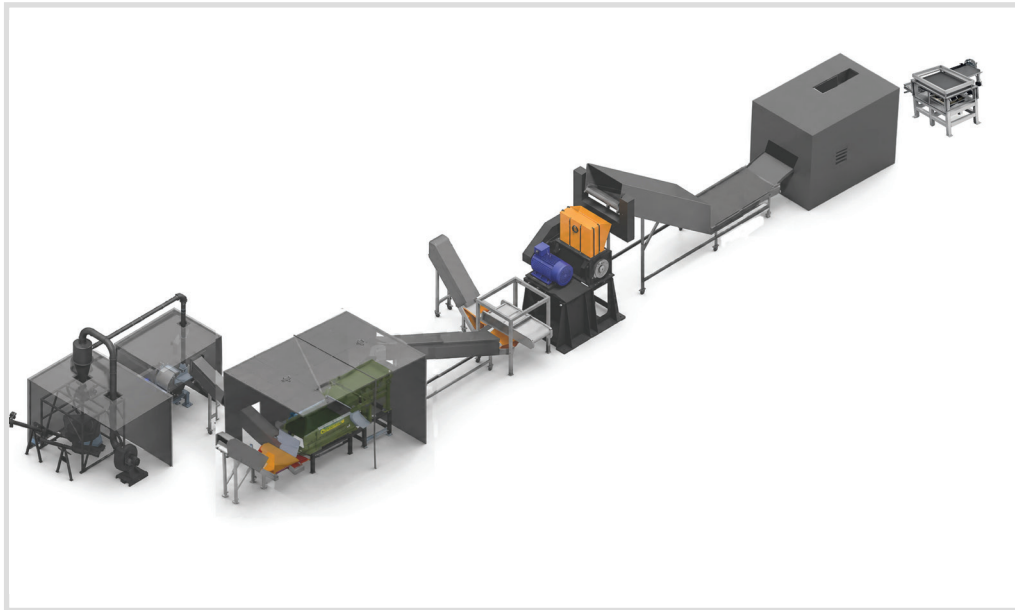


Aluminum

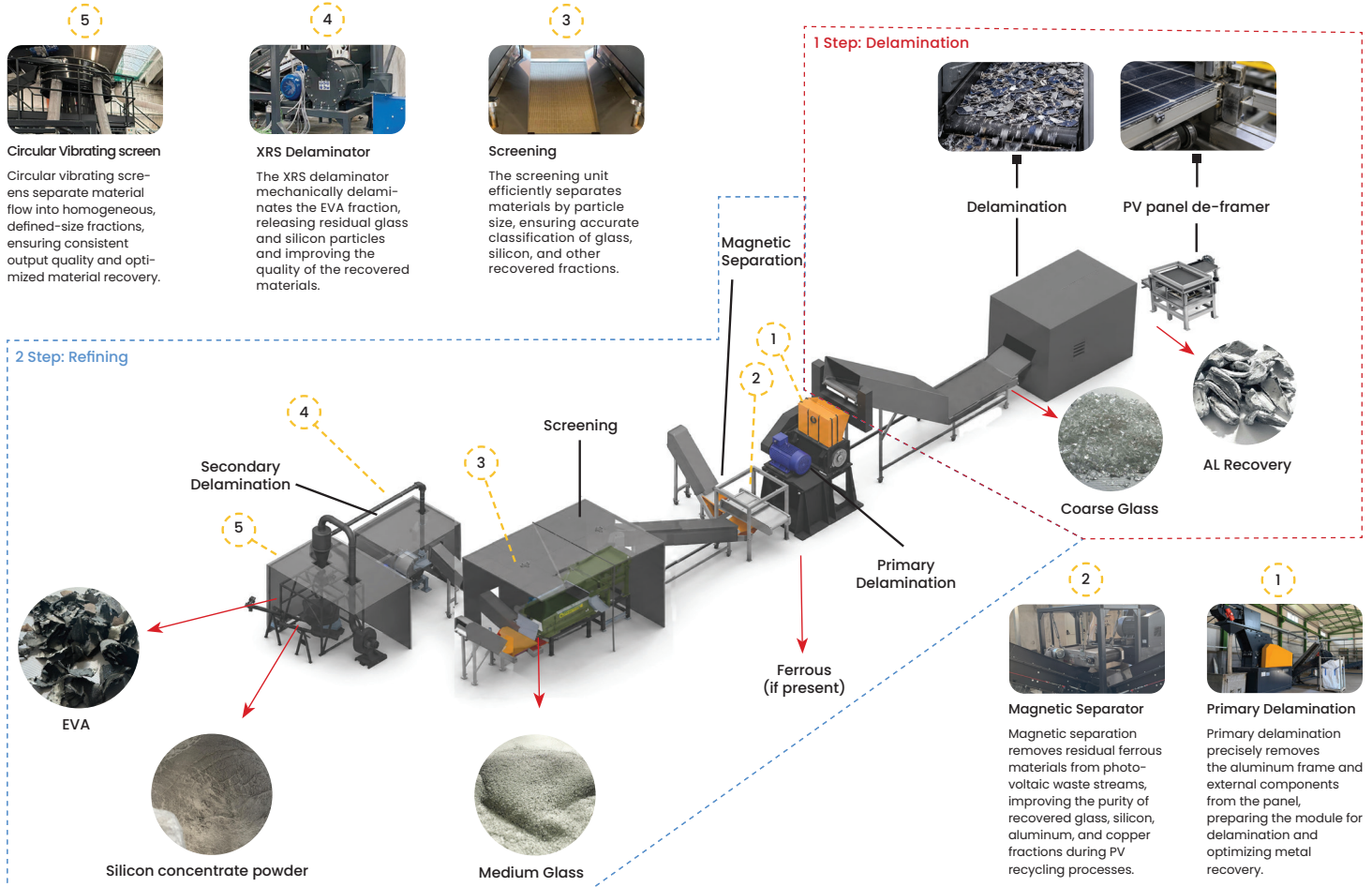


EVA

Delamination Line



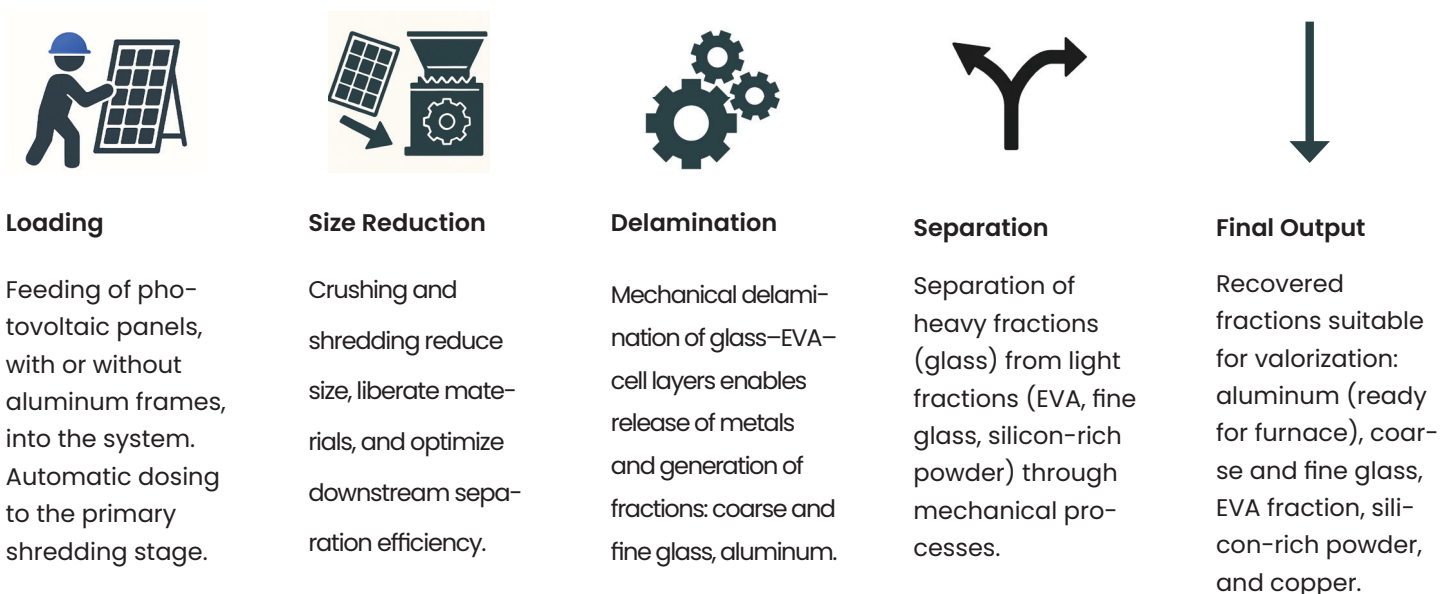
Stokkermill Solar mod. Delamination



Automatic Line



Automatic line for recycling end-of-life photovoltaic modules. The highly engineered, continuous process allows for the recovery of the main fractions of glass, silicon powder, aluminum, plastic, and metal elements, reducing manual intervention and optimizing energy consumption.



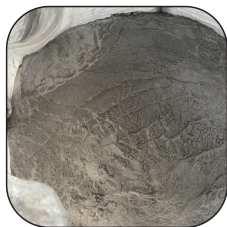


Stokkermill Solar mod. Automatic

Output Materials:



Glass



Silicon



Aluminum



EVA



Glass

The glass obtained from the treatment process is separated into different grain sizes and quality levels. The coarser fraction is very clean, while the finer fraction can be reused in applications such as the ceramics industry.



Silicon

The finest fraction, containing silicon along with traces of silver, is already utilized in various industrial sectors. It also represents a valuable opportunity for further recovery and valorization.



Aluminum

The Stokkermill system eliminates the need to remove the aluminum frame, significantly speeding up processing. The recovered aluminum is clean, ready for furnace use, and compliant with End-of-Waste standards.



EVA

Polymer fractions, including back-sheet and EVA, are recovered free of glass and contaminants. Thanks to their calorific value, these materials can be reused as alternative fuels.

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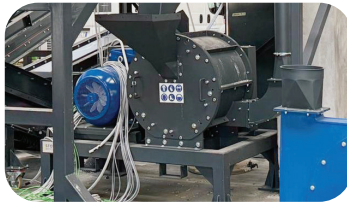
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Circular Vibrating screen

Circular vibrating screens separate material flow into homogeneous, defined-size fractions, ensuring consistent output quality and optimized material recovery.

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XRS Delaminator

The XRS delaminator mechanically delaminates the EVA fraction, releasing residual glass and silicon particles and improving the quality of the recovered materials.

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Aluminum Separator

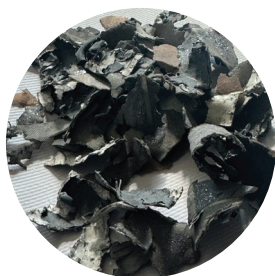
The aluminum Separator recovers non-ferrous metals with high efficiency, purity, and operational continuity in the photovoltaic recycling industry.

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Secondary Delamination

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AL Separation



EVA



Silicon concentrate powder

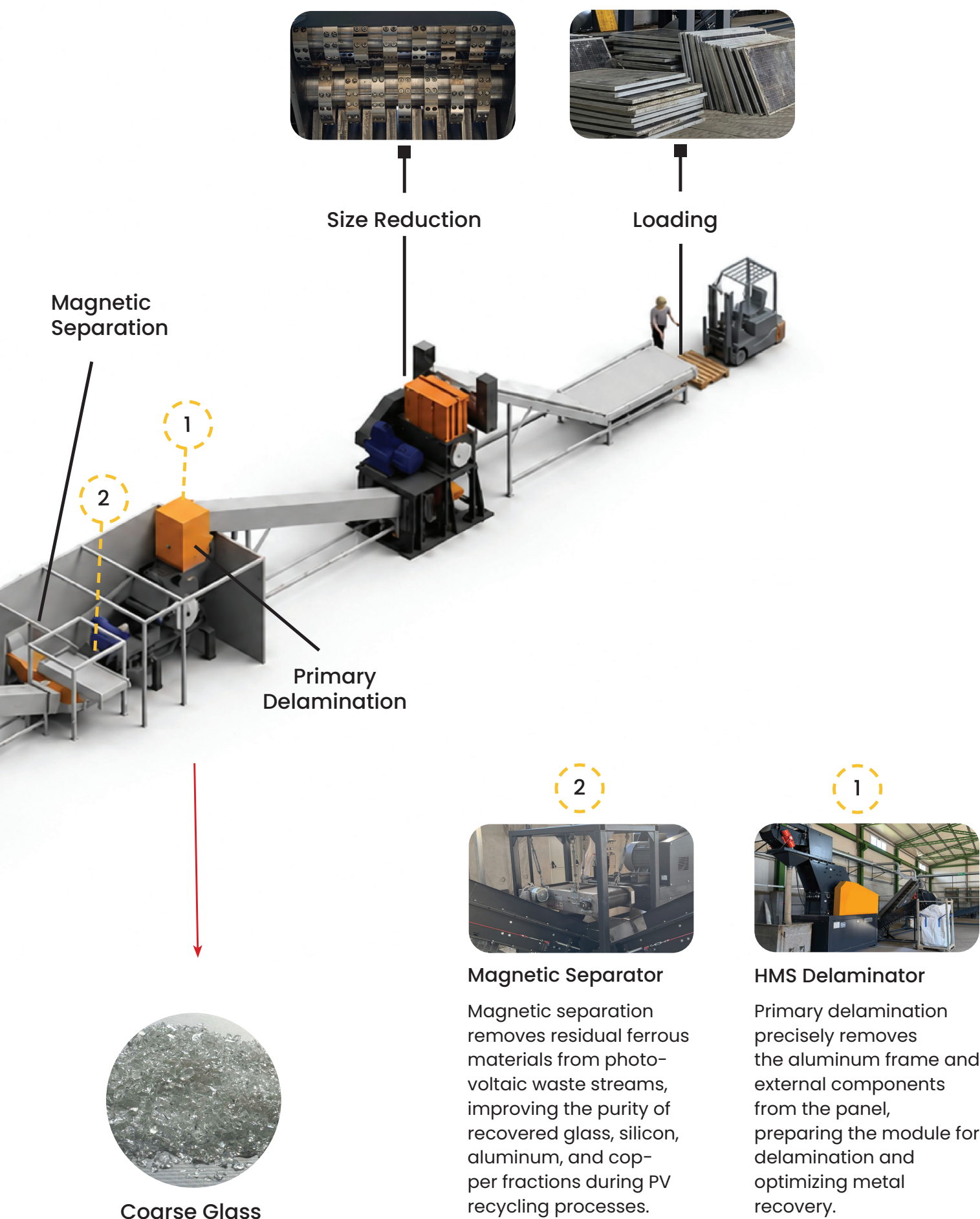


AL Recovery



Medium Glass

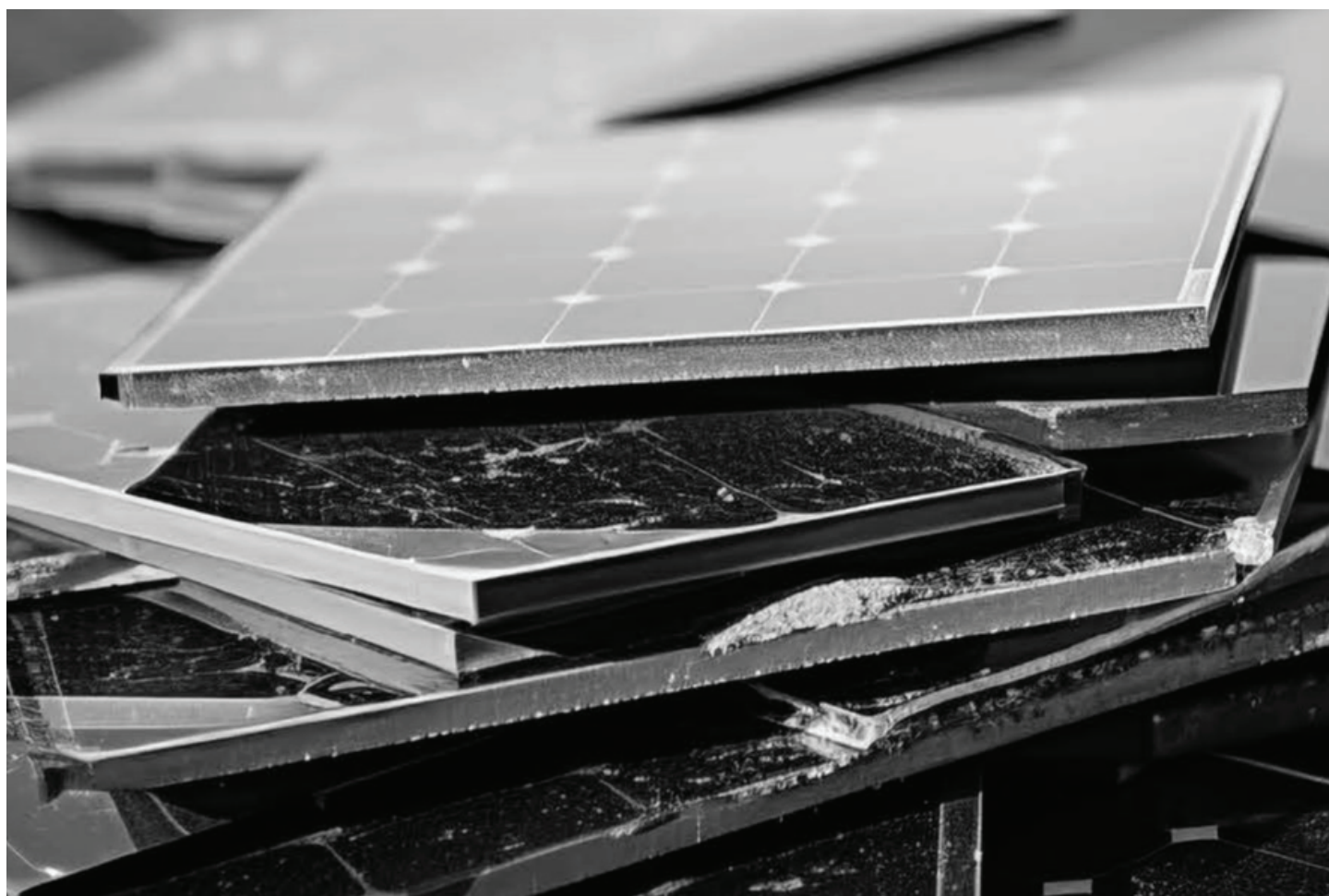
Stokkermill Solar mod. Automatic





Solar Panel Recycling Solutions

With over thirty years of experience in recycling technologies, Stokkermill Solar designs plants and machinery to transform end-of-life photovoltaic panels into high-quality secondary raw materials. From Entry-Level installations to fully automatic lines, every solution combines high performance, operational flexibility, and reduced environmental impact. Glass, aluminum, silicon, EVA, and copper become valuable resources once again, reintroduced into the industrial production cycle in full compliance with End-of-Waste standards. Innovation, automation, and reliability make Stokkermill Solar the ideal partner for the future of photovoltaic recycling and the circular economy.



For inquiries, project consultations, or to request a personalized quote:

✉ info@stokkermill.com

🌐 www.stokkermill.com

📍 Udine, Italy



STOKKERMILL RECYCLING MACHINERY

www.stokkermill.com | info@stokkermill.com | Udine-Italy