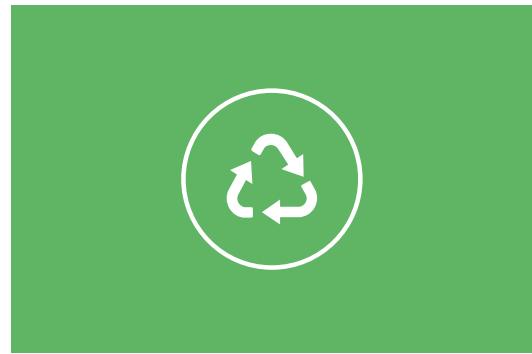


Industrial Circular Economy Solutions  
**REFINING**



# INDUSTRIAL CIRCULAR ECONOMY SOLUTIONS

**Complete technology solutions and engineering, automation, and production services as a single partner.**

Recycled cellulose fiber is an excellent material for thermal insulation and asphalt additives. It is an ecological and sustainable solution because it is made from recycled paper or cardboard. Makron offers you complete production technology to manufacture cellulose fiber insulation and additives from recycled raw material. We have developed these production lines in close collaboration with our long-term customers. The production lines run smoothly by Makron designed automation control system. Makron also works as a subcontracting partner of pulp technology providers and waste-to-energy industry. We offer our expertise in engineering, manufacturing, and automation as a single partner to complete your processes and technology.

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## REFINING

The raw material is refined into fibers by the refiner and then stored in the fiber surge bin. Chemicals are also added to the fibers in the refining stage.

### What Makron does

Makron offers refiners for different capacities ranging from 1,000 to 2,000 kg/hour. An alternative solution is the Makron Fine Crusher Hammer Mill.

### Technical Data

Refiners:

Capacity	1,000–2,000 kg/h
Motor power	100–200 kW; 1,480 r/min
Vibration sensor	

Fine Crusher Hammer Mill:

Rotation speed	2,800 rpm (50 Hz)
Throughput capacity	approx. 1,500 kg/hour
Motor power	110 kW
Required air flow	min. 5,000 m <sup>3</sup> /h

## Contact



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