JEHMLICH

GRINDING SYSTEMS FOR

ALTERNATIVE FUELS

f.l.t.r. paper residues, substitute fuel pellets, wood chips, sewage sludge

Secondary fuels, mostly from biomasses, are an important alternative to primary fossil fuels. Obtained from waste streams and residual materials, they are a defining element of the circular economy.

To make use of such biomasses, specific requirements must be met in the conversion process from waste to the substitute fuel. A key element of this process is the grinding into homogeneous fractions.

JEHMLICH milling technology turns biomasses into to the best possible replacement fuel by optimizing the particle size for direct burning, bioprocessing or chemical extraction. Whether in coarse or fine grinding - we offer high-performance technology for your individual needs.

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KEY APPLICATIONS

JEHMLICH grinding plants achieve different degrees of fineness and throughputs for various secondary materials. Here is an overview of applications and key performance data for grinding selected biomasses and residues.

Application	Feed d90 [mm]	End fineness d90 [µm]	Throughput rate [kg/h]
Animal meal	3	190	2,200
Bagasse	2	700	100
Cellulose fibres (filter cakes)	5	flakes	500
Nut shells	4	480	1,200
Paper residues	6	3,500	1,800
Sewage sludge	7	230	3,300
Various pellets	10	flakes	2,500
Wood chips	18	600	600
Wood meal	1	450	1,000
Wood pellets	10	780	1,000

TURNKEY SOLUTIONS - INDIVIDUALLY DESIGNED

Request your customized and energy-efficient plant solution with high availability and flexibility also for future market requirements. From us, you may receive mills as individual components for integration into your existing technology, and complete turnkey systems for achieving your production targets. Our machines and systems are in accordance with the current EU machinery and ATEX directives.

Talk to us about your specific task. Our solutions are designed with experience and based on performance confirmation tests in our modern JEHMLICH application center.

Milling trials & Analysis → Project planning & Engineering → Manufacturing & Installation → Training & Commissioning → Maintenance & Service

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