



GRINDING SYSTEMS FOR CARBONS



f.l.t.r. charcoal, carbon agglomerates, soot coke pellets, graphite blocks, graphite mixture

Graphite, hard coal, coke, carbon black and other substances consist of carbon to a large extent. The materials are formed from plant, animal, mineral or petrochemical substances naturally in the environment or by processes such as pyrolysis.

The range of applications for carbons and carbon-containing products is broad. Coke, for example, serves as an ideal fuel, activated carbon is used for drinking water purification and carbon black serves as a black pigment.

Each application requires specific product features. With JEHLICH milling technology, carbons and carbon-containing compounds can be grinded in a stable process to the desired target size with a defined throughput.



PRACTICE EXAMPLES

JEHMLICH carbon grinding systems produce consistent and replicable results for defined process targets. Get an overview of applications and respective performance data in carbon materials grinding with JEHMLICH technology.

Application	Feed d90 [mm]	End fineness d90 [µm]	Throughput rate [kg/h]
Activated carbon	0.2	20	1,200
Ash	0.4	70	1,100
Carbon	1	10	1,700
Carbon Black	2	10	1,800
Charcoal	16	700	1,000
Graphite	15	80	700
Hearth furnace coke	4	180	1,300
Lignite	7	100	1,500
Pyrolysis coke	3	10	900
Soot coke compound	20	2,900	3,800



TURNKEY SOLUTIONS - INDIVIDUALLY DESIGNED

Request your specific carbon grinding solution. We prepare your customized and energy-efficient plant layout with high availability and flexibility, also for future market requirements. From us you may receive single mills as a component for integration into your existing installation, and complete turn-key systems for processing your carbon products consistently and in accordance with current ATEX, ergonomic and safety standards.

We are designing our systems on the basis of many years of product experience and with confirmational tests in our modern JEHMLICH application centre.

