

INNOVATIVE TECHNOLOGIES

Jaw Crusher

JC7



TORONTECH



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JAW CRUSHER JC7

Introducing the **Jaw Crusher JC7**—where crushing efficiency meets unmatched performance.

With a high crushing ratio and impressive handling capacity, it's the fastest fine jaw crusher in its class. From processing drill cores to solid ores up to 110mm, it achieves a remarkable 95% sample reduction to as fine as 2mm in just 18-20 seconds per kilogram.

Experience the pinnacle of crushing excellence with the Jaw Crusher JC7.

Feed Size:
<110mm

Final Fineness:
95% < 2mm

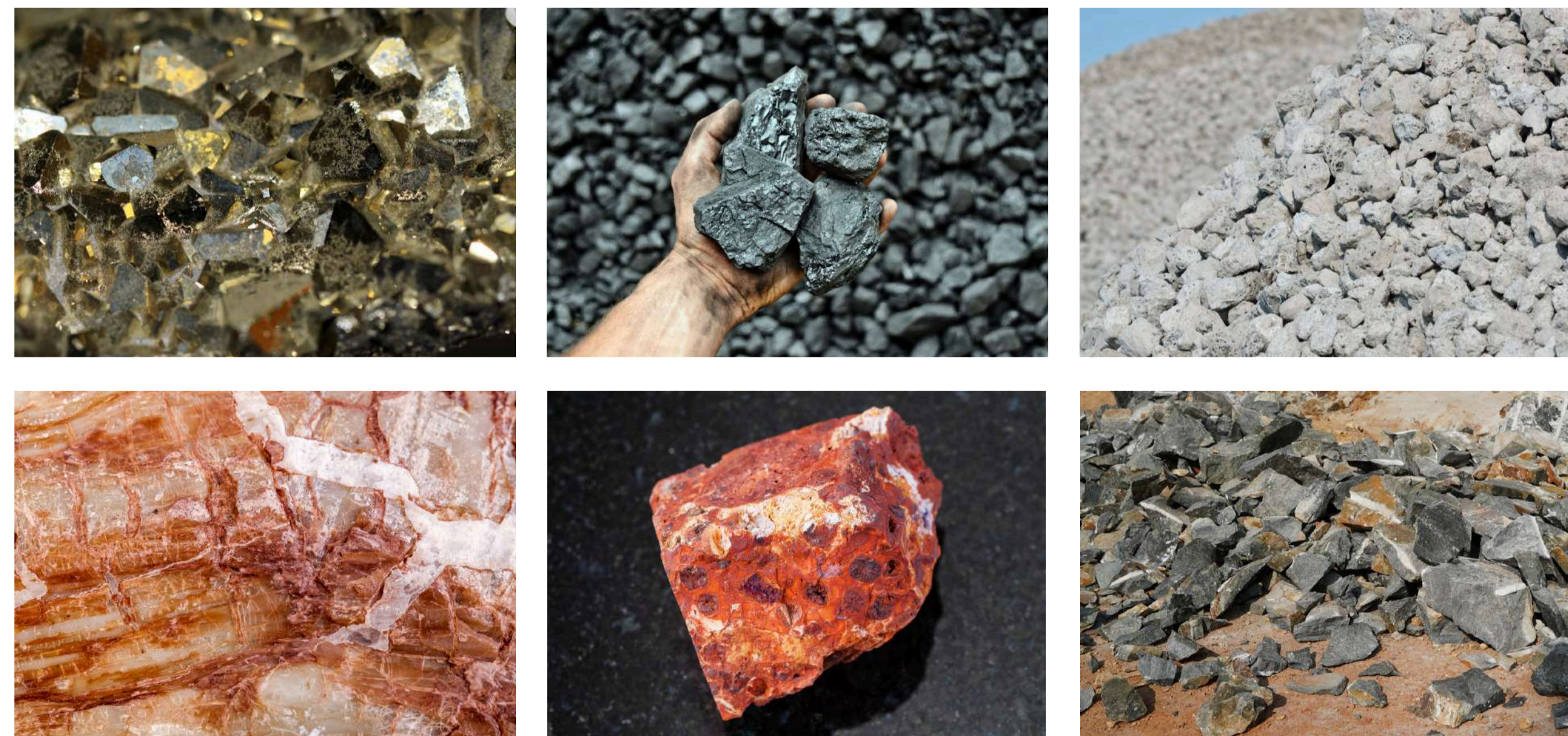
Speed:
740rpm



APPLICATION

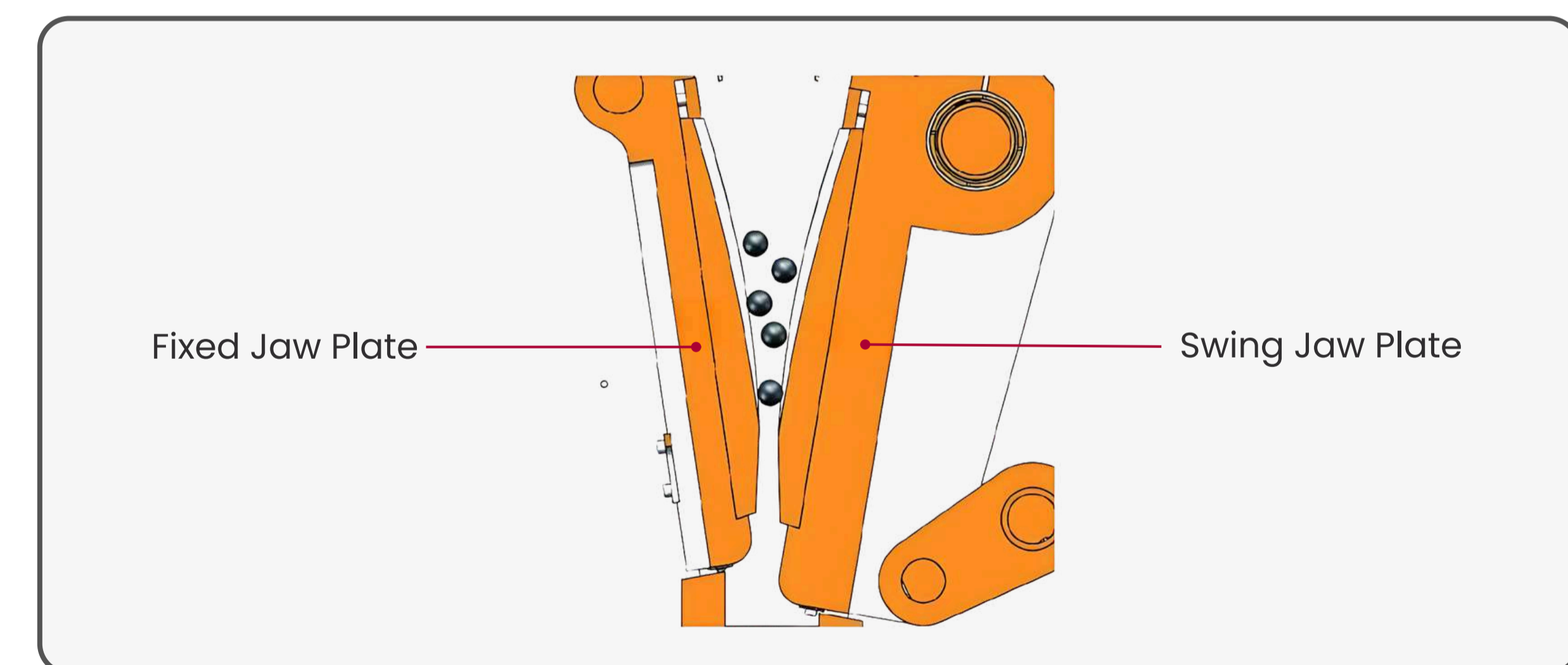
Sample Type

- **Mining and Metallurgical Sectors:** Niobium and titanium alloys, vanadium iron, chrome vanadium, tungsten carbide, ores, coal, slag, and coke.
- **Chemical Products:** Various raw materials used in the chemical industry.
- **Geological and Mineralogical Applications:** Rocks, granite, basalt, barite, silicate, and similar materials.
- **Ceramic Industry:** Talc, sintered clay, ceramics for sintering, and electric ceramics.
- **Building Materials:** Bauxite, slag bricks, quartz, and cement.



WORKING PRINCIPLE

The process initiates as the sample is guided into the grinding chamber via a specialized, anti-splashing hopper. Within this chamber, crushing unfolds within a distinct wedge-shaped space, delineated by two jaw plates. While one plate remains fixed, the other undergoes motion driven by a bent axle, engendering an oval trajectory owing to the motor's continuous rotation. Through this seamless interplay, the sample undergoes compression, facilitated by the rhythmic movement of the jaw plate, and naturally descends due to gravitational force. Should the sample's particle size surpass the lower opening gap between the jaw plates, it seamlessly funnels into a collection drawer positioned at the machine's base.



PRODUCT ADVANTAGES

- **Safety and Efficiency:** Overload protection ensures safety, while a powerful 7.5KW motor enhances efficiency.
- **Durability and Reliability:** Solid connecting rod and bearings ensure longevity, with roller bearings connecting all rotating components for smooth operation.
- **Easy Maintenance and Consistent Performance:** An innovative jaw plate fastening structure facilitates easy maintenance, alongside an automatic lubrication system and stable flywheel ensuring consistent performance.
- **Versatile Design and Optimal Results:** Jaw plate thickness increased to 48mm for durability, with processing speed capable of reaching 4 seconds per kilogram with a 6mm gap width, achieving fine results. Additionally, the ingenious jaw plate design guarantees optimal crushing results, catering to diverse needs.

TECHNICAL SPECIFICATION

ITEM	TECHNICAL PARAMETER
Feed size	< 110mm
Final fineness	95% < 2mm
Gap width	0-10mm adjustable
Handling capacity	180kg/hr(depends on sample)
Speed	740rpm
Collector capacity	8L
Rated power	7.5KW
Power supply	380V, 50Hz
Instrument size (W*D*H)	935*600*1087mm
Net Weight	920kg

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of TEST)**™



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