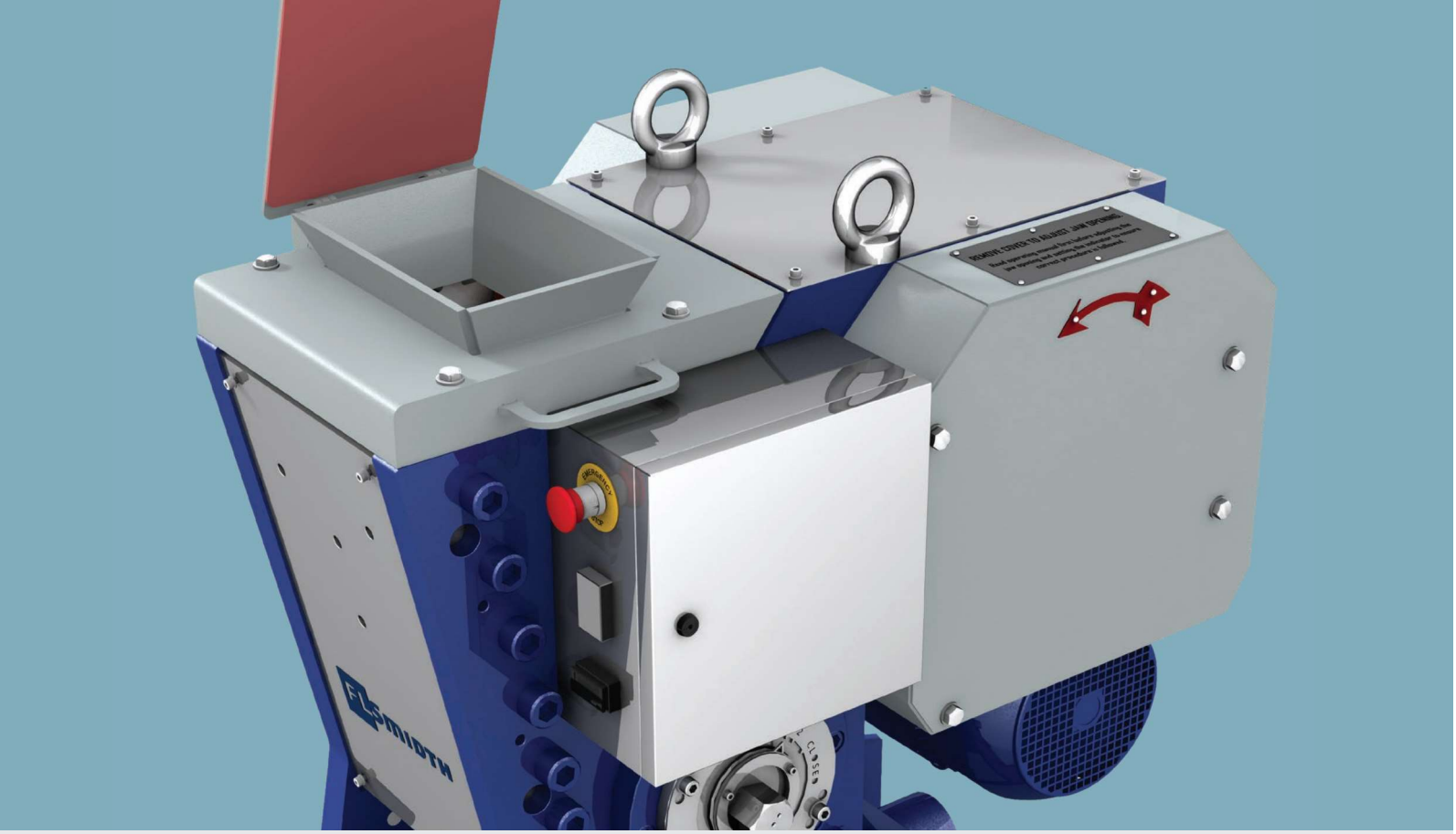


PRODUCT DATASHEET

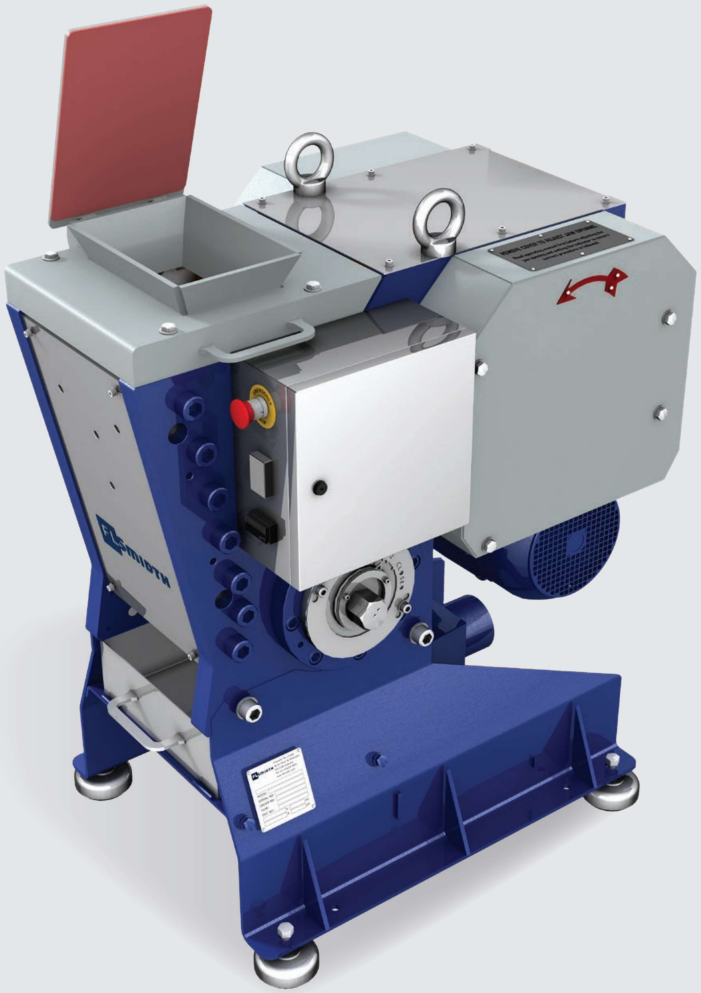
Essa® JC2501 Jaw Crusher

The robust Essa® JC2501 Jaw Crusher is a proven laboratory crusher that handles high workloads and allows for fast reduction of drill core and similar material.

Benefits

- 110 mm feed size suitable for processing most drill core and lump ore.
- Reduced need for pre-crushing and minimised risk of contamination.
- Single stage crushing, at a 50:1 reduction ratio, increases productivity.
- Innovative jaw plate design for extra fine jaw crushing and better sample quality.
- Easy and precise jaw gap adjustment for excellent control of product sizing.
- Roller bearings for reliability at high load capability.
- Meets industry standards and OH&S requirements.
- Option to add a safety feed hopper.
- Robust and easy to maintain design for longer life.

Engineered for rapid reduction of drill core and lump ore



Fast, effective and reliable

The hardy Essa JC2501 is built to handle large drill core and lump rock material with speed and precision. It has been tried and tested in the workplace with excellent results, proving to be one of the fastest fine jaw crushers on the market.

With a 110 mm feed size, the JC2501 reduces and often removes the need for pre-crushing, thereby reducing the risk of contamination and saving time.

Powered by a 7.5 kW, three phase motor, and featuring an innovative jaw plate design, it has more crushing power for increased productivity. Depending on the type of material, samples can be crushed at 180 kg per hour to produce 85% passing 2 mm.

The JC2501 Jaw Crusher is designed for crushing ores, minerals, metallurgical samples, ceramics and similar particulate. It is well suited to high volume mineral laboratories that regularly prepare rock and core samples with high quality techniques, or to any remote laboratory where minimal maintenance is an advantage.

Enhanced personal safety

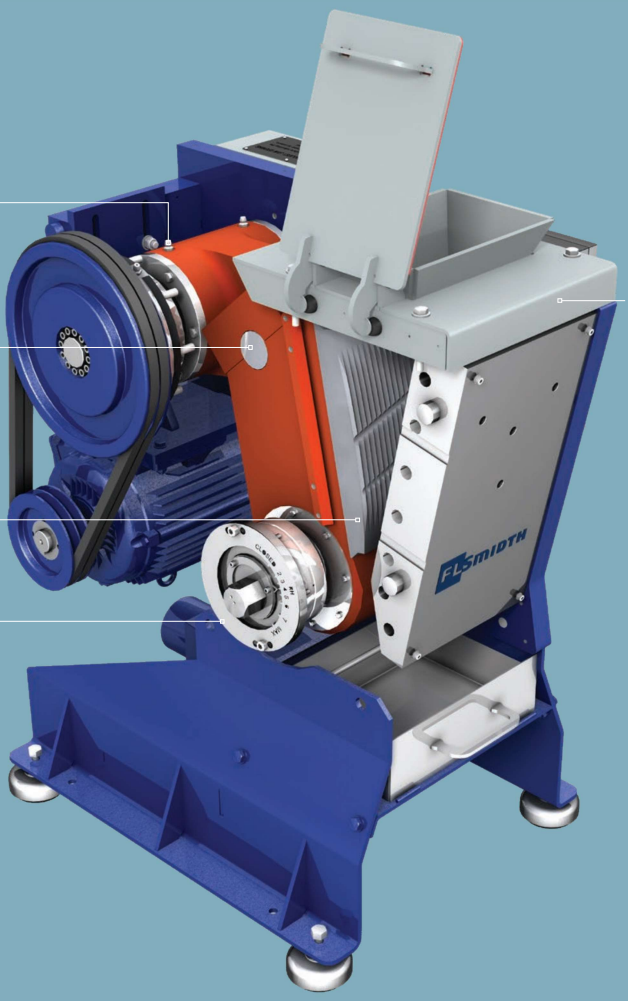
The heavy duty JC2501 Jaw Crusher is carefully designed to achieve extraordinarily high reduction ratio and sample throughput without compromising on OH&S. The crusher features full drive guarding with safety guards over all moving parts, such as the flywheel, pulleys and crank arm. Other safety features include an emergency stop button and prominent local stop and start buttons on the control box. An optional safety self-feeder hopper can be added.

Improved engineering and design

The Essa JC2501 Jaw Crusher's capabilities are well proven, with over 100 units successfully in operation around the world. It incorporates numerous design innovations and sound engineering enhancements that ensure high throughput, consistently fine product and maximum availability.

It has been purposely designed to assist exploration laboratories undertaking two-stage sample reduction protocols. It efficiently processes large drill core and lump rock, producing a very fine material suitable for dividing and fine pulverising. Unlike ordinary toggle jaw crushers, the JC2501 uses an oscillating motion to rapidly reduce near jaw size lumps to 2 mm in a single step.

Massive 50:1 reduction ratio allows for productive, single-stage crushing



Seven easily accessible grease points that only require greasing every 150 hours of operation.

Fixed jaw plate adjacent to a moving jaw plate, driven by an eccentric shaft and Pitman/crank arm and powered by vee belts from a standard electric motor.

Reversible and interchangeable jaw plates.

Dial indicator that allows easy and accurate jaw gap adjustment ensuring a more consistent product.

Innovative jaw plate clamping mechanism (with no sheared off plate bolts) for easy change-over of plates.

Unique lock mechanism on the shaft to ensure jaw gap setting is maintained.

Heavy duty components and precise fabrication techniques for structural rigidity and alignment.

Specifications

Jaw Inlet	130 mm x 250 mm
Maximum Feed Size	110 mm
Minimum Product Size	85% less than 2 mm
Throughput	180 kg/h at minimum product size
Dust Extraction Points	One at 100 mm O.D. connection spigot
Dust Extraction Flow	150 L/sec

Motor power	7.5 kW
Electrical requirements	380-415 V 50 Hz three phase AC or other power configurations as required
Crusher dimensions (W x D x H)	665 mm x 1000 mm x 1175 mm
Working mass - crusher	944 kg
Dimensions (crated) (W x D x H)	900 mm x 1200 mm x 1380 mm
Mass (crated)	1100 kg

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