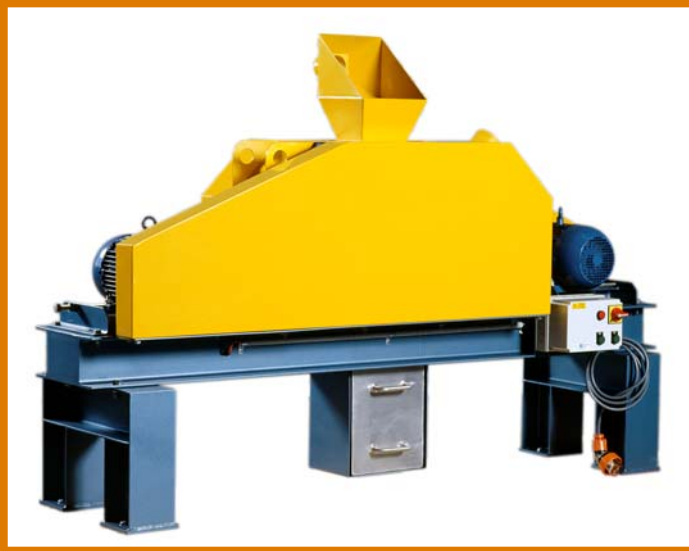




Rolls Crusher Model RC3000

Heavy Duty Laboratory and Plant
Crusher with 2 x 350 mm Rolls



Sturdy Mid-Range Crusher Engineered to Suit a Range of Applications

A dependable and sturdy mid-range secondary crusher designed for rapid, controlled size reduction of various sample types.

The RC3000 is the larger of the two Essa model rolls crushers and can be configured to suit a range of applications.

Benefits and Features

- ▶ **Reduced capital cost:** flexibility of use allows for continuous or batch use in laboratory and plant applications.
- ▶ **Flexibility of installation:** available in floor mount standalone or low profile bench mount and flow through process plant configurations.
- ▶ **Improved quality:** contra-rotating rolls produce material with a tight size envelope containing a minimum of fines resulting in consistent quality, accurate size distribution and reduced dust generation.
- ▶ **Enhanced operator safety:** feed hopper fitted with mesh guarding to prevent hands entering crushing chamber. A dust extraction point removes airborne dust improving the operating environment and reducing sample contamination.
- ▶ **Increased availability:** one roll is designed with a heavy duty disc spring mount to protect against uncrushable material entering between the rolls.
- ▶ **Ready to go:** fitted with control box featuring simple stop/start button and motor protection.
- ▶ **High level motor protection:** two IP65 rated electric motors are totally protected against dust ingress and against low pressure water jets from any direction.
- ▶ **Ergonomically designed:** mounted on a sturdy floor stand the standalone model is fitted with a feed hopper and easily accessible aluminium sample drawer.
- ▶ **Reduced operating/spares cost:** easily replaceable steel roll shells and side plates.
- ▶ **Versatility of use:** plain or toothed rolls suit a range of feed materials.
- ▶ **Improved safety:** full drive guarding enhances personal safety and compiles with client OH&S standards.



Rolls Crusher, Model RC3000 shown here configured for continuous use such as in mechanical sampling plants, automated laboratories or pilot plants. The floor mount standalone version is pictured below left.

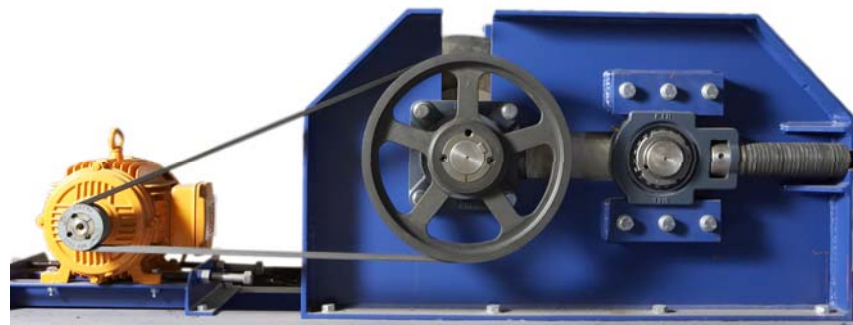


Technical Data

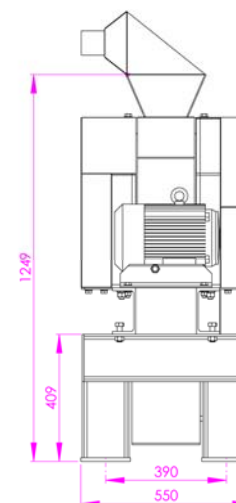
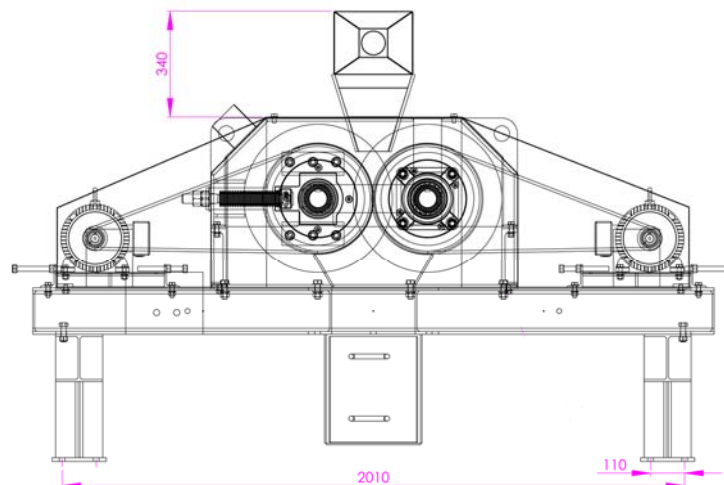
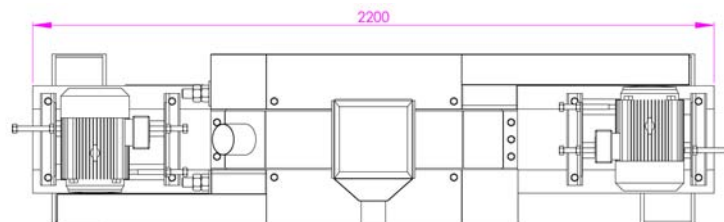
Roll Diameter	350 mm
Roll Length	150 mm
Standard Roll Face	Smooth (toothed also available)
Maximum Feed Size	40 mm
Optimum Reduction Ratio	4:1
Usual Product Size	1 mm
Throughput at Usual Product Size	Dependant on gap setting
Roller Speed	300 rpm
Motor Power	2 x 4.0 kW
Dust Extraction Points	One
Dust Extraction Flow	170 L/s
Mass	1,200 kg
Dimensions	2,200 mm x 550 mm x 1,250 mm

Please note that the figures quoted above relate the floor mount standalone version (drawing at right).

They are also nominal only performance expectations that can vary according to the physical characteristics of the material being prepared, the condition of the equipment, the gap adjustment and the method of feeding the crusher.



Increased availability: one roll is designed with a heavy duty disc spring mount to protect against uncrushable material entering between the rolls (shown here at right).



essa

Essa Australia Limited
PO Box 362
Belmont WA 6984
AUSTRALIA
tel +61 8 9475 3000
fax +61 8 9477 3544
email mail@essa.com.au

www.essa.com.au

Distributor:

Sample Preparation

Sampling

Automation

Metallurgical

Laboratory

Particle Sizing

Intelligent Solutions
to Mineral Sampling,
Preparation and
Testing