

LMRC 100

Laboratory Rolls Crusher

Laboratory Roll Crusher
for intermediate size
reduction

- Fast, easy adjustment of product sizing
- Replaceable stainless steel roll shells and side plates
- Heavy duty spherical roller bearings
- Heavy fabricated steel frame
- CE-certified



Description

LAARMANN Roll Crushers are typically applied in laboratory or pilot plant applications after primary reduction of the infeed material.

Roll crushers operate with a minimum of dust generation and produce a material with a tight size envelope containing a minimum of fines.

Designed for rapid, controlled size reduction of ore, mineral or rock prior to metallurgical testing or further milling or grinding the LAARMANN LMRC Roll Crusher has is built with two off same diameter individually.

Powered contra-rotating rolls, so the nipping process produces an ideal crushing environment for a wide variety of materials. Product sizing is controlled by an (adjustable) gap setting between the 2 rolls. One roll is heavy duty spring mounted as protection against uncrushable material attempting to pass between the rolls.

Features and Benefits

- Rugged, minimum maintenance design
- Heavy duty spherical roller bearings
- Heavy fabricated steel crusher frame & support base
- Replaceable stainless steel roll shells and side plates
- Compact design with drive motors installed below the crushing chamber
- Fabricated feed hopper and dust extraction outlet
- Product drawer
- Full drive guarding
- Electric pre-wiring with an IP55 enclosed push button & motor protection station
- Fast, easy adjustment of product sizing



Rolls crusher open



Rolls crusher closed



Rolls crusher collector

Applications

- Ore
- Mineral
- Rock prior to metallurgical testing
- Further milling or grinding



Technical data

Roll size (diameter x width)	200 x 150
Standard roll face	Smooth
Max feed size	30 mm
Endfinessness	<1 mm
Optimum reduction ratio	4 to 1
Roller speed	380 rpm
Power	1.1 kW (3x400V/ 50Hz)
Approximate mass	400 Kg
Dimensions W x D x H	1089 x 674 x 1095 mm