



SMOOTH DOUBLE ROLL CRUSHER

SDRC SERIES



INDIA'S FINEST MANUFACTURERS **SINCE 1987**

Mechtech engineers was founded by a group of qualified and well trained engineers with vast experience in the field of design, manufacturing, supply and commissioning of different types of crushing & screening equipment and plants. The Company was established way back in 1987 with a view to manufacture and supply all types of Crushing equipment to cater to the core sector for crushing of Coal, Iron Ore, Lime Stone, Stone Aggregates for Construction of Roads and Buildings etc.

In the last three decades, we had designed, developed and supplied an enviable number of crushing equipment throughout the country and Abroad to handle a variety of minerals. Today we can boast of a comprehensive range of products comprising of Single & Double Toggle JawCrushers, Hammer Mills, Smooth and Toothed Roll Crushers, Horizontal and Vertical Shaft Impactors, Cone Crusher, Reciprocating & Vibrating Feeders, Grizzly Feeders, Vibrating Screens, Sand Washers etc.



WHERE ENGINEERING SURPASSES TRADES



QUALITY



SERVICE



EXPERIENCE

WORKING PRINCIPLE

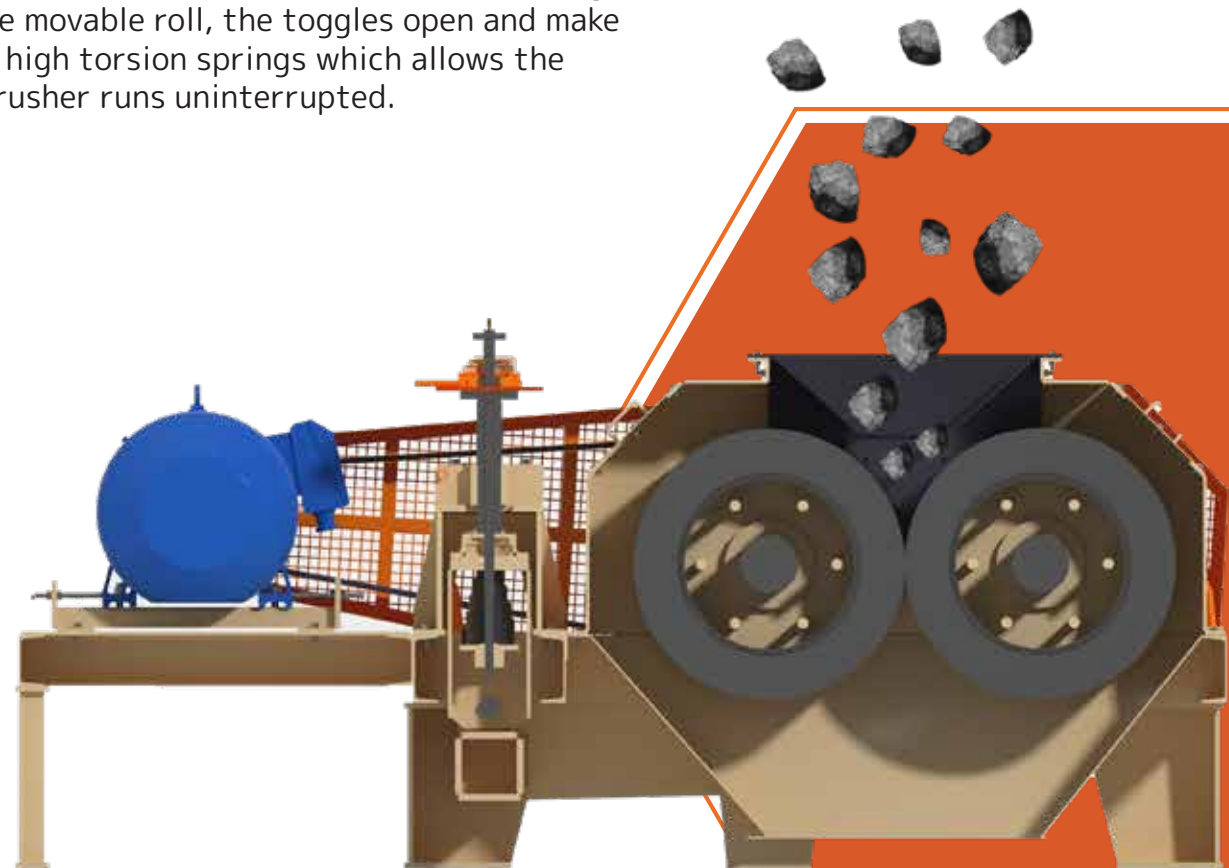
Mechtech SDRCs designed for primary, secondary and tertiary crushing are best suited for achieving the reduction ratios of 4:1. It is best suited for producing finer products. SDRCs are widely used and preferred for their excellent reliability with simple designs and low maintenance.

Dual drive SDRC can be operated easily and quietly by their electric motors and V-belt drive configurations. The power transfer is from the driven roll to the non-driven roll by an interstage V-belt in a single drive whereas each roll is powered separately through a motor and a V-belt.

When the materials are fed into the rolls, the opposing rolls create a combination of compression and shear forces that crushes the feed into the desired product size of minimal fines.

A spring-and-toggle mechanism is activated by the tramp relief system when any uncrushable foreign objects enter the crusher. On applying excessive force to the movable roll, the toggles open and make way for the object to pass. The toggle is then closed by the high torsion springs which allows the movable roll to get back to its previous setting where the crusher runs uninterrupted.

The timing gears have been eliminated which makes its operation simple but efficient. A separate electric motor and V-belt drive for each roll is used in the dual drive arrangement which results in quiet operation and minimal vibration. Using the spring loaded yoke assembly and turning the spindle, the product size adjustment can also be changed with little efforts which allows the producer to adjust the product sizes accordingly.

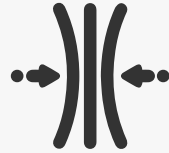


SALIENT FEATURES



ENERGY EFFICIENCY

Improve energy efficiency by up to 20 - 25%



HIGHER PRESSURE MECHANICAL SYSTEM

generates a high crushing force



EASE OF MAINTENANCE



HIGH PRODUCTION EFFICIENCY

Higher Throughput

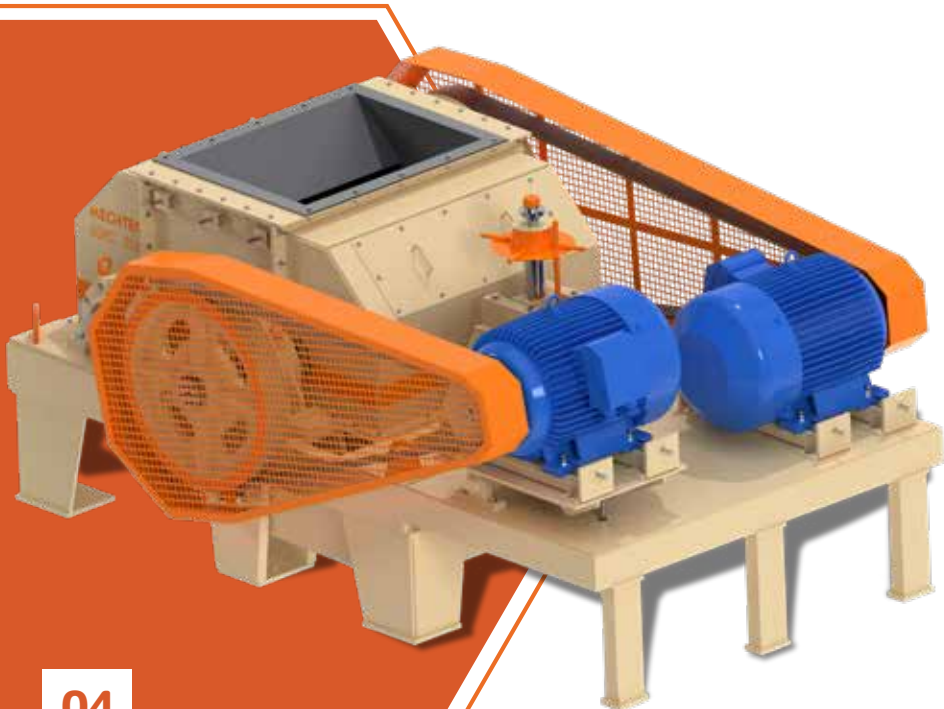


DECREASED CIRCULATING LOAD

Lower Circulating load by up to 25 - 30 %



IMPROVED ROLL THICKNESS



OPTIONAL FEATURES

Temperature warning systems can be installed onto the bearings of the SDRC. The operation of the rolls can be operated with the zero speed switches. Materials are tested to ensure the correct sizes of the products at Mechtech's fully facilitated lab and the best SDRC is selected for your application. Mechtech's SDRC comes with an options of varied material specification for the rolls which are proven to improve the life up to three to four times.

APPLICATIONS

The rigorous demands of a plant operation calls for a tough but easily operated equipment and our SDRC is the best in the market, and have long been used in a variety of applications.



SPECIFICATIONS

MODEL	ROLL DIAMETER (MM)	ROLL WIDTH (MM)	MAX FEED SIZE (MM)	MAX POWER (HP)
SDRC 6040	600	400	20	15 x 2 nos.
SDRC 6060	600	600	20	20 x 2 nos.
SDRC 8040	800	400	30	20 x 2 nos.
SDRC 8060	800	600	30	30 x 2 nos.
SDRC 8080	800	800	30	40 x 2 nos.
SDRC 8010	800	1000	30	60 x 2 nos.
SDRC 1060	1000	600	50	40 x 2 nos.
SDRC 1080	1000	800	50	50 x 2 nos.
SDRC 1010	1000	1000	50	60 x 2 nos.
SDRC 1012	1000	1200	50	100 x 2 nos.
SDRC 1212	1200	1200	80	120 x 2 nos.
SDRC 1414	1400	1400	100	150 x 2 nos.



ADVANTAGES

Mechtech's SDRC can be used for crushing hardest and toughest of minerals and is ideal for sand manufacturing. It produces desired finer output of high quality as the amount of fines present is minimal. Our SDRC comes with the flexibility to increase the production capacity from the same equipment after installation.



High capacity with Low horsepower



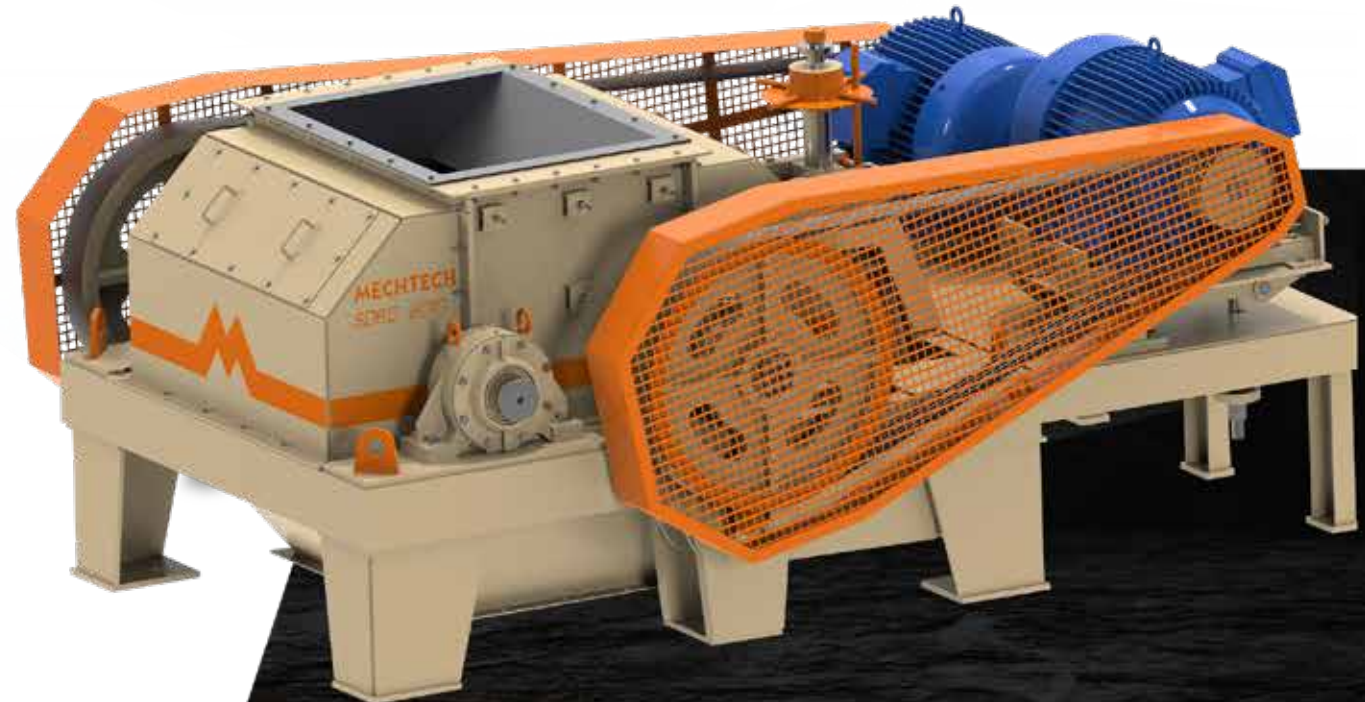
Ability to handle wet & sticky feeds



Ability to produce a cubical product with minimum fines generation



Low headroom



WHY MECHTECH SDRC?

First Roll Crusher manufactured in 1993, Mechtech has become an expert and leader in India across various mineral processing industry. The selection process for each application is based on extensive equipment knowledge and a wealth of test data gathered through on-site testing.

Mechtech offers finest quality Roll Crushers, which provide a substantial return on investment by operating at low cost and maximizing yield by generating minimal fines. The rugged design, which incorporates a fabricated steel base frame lined with replaceable abrasion-resistant steel liners, stands up to the toughest mineral processing applications while providing safe and simple operation, including an automatic tramp relief system to allow uncrushable objects to pass while the crusher remains in operation. These crushers are also versatile, allowing for adjustments in roll speeds and gap settings to meet most any application requirement. The mechanically operated yoke mechanism generated high pressure on the feed material to handle the hardest minerals.



INSTALLATIONS

We at Mechtech are bringing our design and engineering to life, and to the plants for high quality outputs that surpasses the expectations.





MECHTECH INFRAMINE

Formerly



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Product features and specifications are subject to change without prior notice or obligation. Due to continuous product development, we reserve the right to change the specifications without notice. Photographs and drawings are provided for illustrative purposes only and may vary from the standard product. Mechtech's liability shall be limited to the equipment.

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