



# DOUBLE TOGGLE JAW CRUSHER

DTJC SERIES



INDIA'S FINEST MANUFACTURERS **SINCE 1987**

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

In the last three decades, we have designed, developed and supplied an enviable number of crushing equipments 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 Jaw Crushers, Hammer Mills, Smooth and Toothed Roll Crushers, Horizontal and Vertical Shaft Impactors, Cone Crushers, Reciprocating & Vibrating Feeders, Grizzly Feeders, Vibrating Screens, Sand Washers etc.

A man wearing a white hard hat with the Mechtch logo and a blue pinstriped suit over a white shirt is holding a black clipboard. He is looking directly at the camera with a slight smile.

## WHERE ENGINEERING SURPASSES TRADES



QUALITY



SERVICE



EXPERIENCE

# WORKING PRINCIPLE

Mechtech Double Toggle Jaw Crushers are meticulously designed to excel in primary, secondary, and even tertiary applications, ensuring optimal results regardless of the density or hardness of the materials being processed.

Double toggle jaw crusher are designed with high performance in mind, enabling our customers to experience the power and adaptability of our unique crushers as they smoothly crush a wide range of materials, including the toughest substances such as Black Trap, Basalt, Granite, Iron Ore, and Ferro alloys.

Crushing occurs in the Mechtech Double Toggle Jaw Crusher through compression or pressure between one fixed and one moveable jaw. The crushing chamber's powerful geometrical configuration is developed to ensure "crushing without rubbing" action for any hard material. This does, in fact, lessen the wear and tear on the jaw plates.

The Mechtech Double Toggle Jaw Crusher has a fully spring-loaded safety arm that disconnects quickly to liberate the pulley from the electric motor during the introduction of the foreign tramp iron. For maximum productivity and constant product grading, a crusher is choke fed uniformly over its width.

The Mechtech Double Toggle Jaw Crusher advances the swing jaw and creates crushing pressure against the fixed jaw using a Pitman Double Toggle mechanism that is activated by an eccentric shaft. Using an automatic oil splash system, the pitman, toggle mechanism, and bearings are continuously lubricated.

Austenitic Mn. Steel is used for the jaw plates and sideliners of the jaw crusher, which helps to prevent wear and tear on the machine's sturdy, manufactured body while still crushing the hardest minerals.





## HIGH PERFORMANCE

The use of these crushers enables structural crushing of a variety of higher-density materials resulting in high performance.



## INCREASED PRODUCTION

The exclusive design of the crushing chamber and Pitman toggle plate makes it easier to manage the toughest materials.



## AUTOMATED LUBRICATION

The automatic oil lubrication system includes Flow Switch which is interlocked with the motor that protects the crusher.



## REDUCES WEAR AND TEAR

The crushing chamber's powerful geometrical configuration provides a "crushing without rubbing" action, resulting in less wear and tear on the jaw plates.



# APPLICATIONS

The Mechtech Double Toggle Jaw Crusher is a versatile piece of equipment that can sieve a variety of minerals. It is frequently used in different crushing and screening plants to separate materials including



# SPECIFICATIONS

Jaw Crusher size mm (inch)	Maximum feed size mm (inch)	Capacities in metric tons per hour at various gap settings (CSS) in mm/inch														Jaw Crusher RPM	Drive HP
		1/2" 13 mm	3/4" 20 mm	1" 25 mm	1.25" 31 mm	1.5" 37 mm	2" 50 mm	2.5" 62 mm	3" 75 mm	3.5" 87 mm	4" 100 mm	5" 125 mm	6" 150 mm	7" 175 mm	8" 200 mm		
12" x 07"	5.5"	6	8	10	11	13	16	20	-	-	-	-	-	-	375	20	
12" x 09"	7.0"	7	9	11	12	14	17	21	-	-	-	-	-	-	375	20	
16" x 09"	7.0"	8	10	13	15	17	22	31	-	-	-	-	-	-	375	25	
20" x 12"	9.5"	-	15	18	21	24	30	38	-	-	-	-	-	-	350	30	
22" x 09"	7.0"	-	15	19	22	25	32	40	-	-	-	-	-	-	350	30	
30" x 09"	7.0"	15	22	26	31	36	46	56	-	-	-	-	-	-	325	40	
36" x 08"	6.5"	18	24	30	36	42	54	-	-	-	-	-	-	-	325	50	
42" x 06"	5.0"	21	27	33	38	44	-	-	-	-	-	-	-	-	400	50	
30" x 15"	12.0"	-	-	-	-	36	46	56	66	76	86	-	-	-	325	40	
30" x 20"	16.0"	-	-	-	-	-	-	-	70	80	91	112	134	155	325	60	
30" x 24"	20.0"	-	-	-	-	-	-	-	70	80	91	112	134	155	325	60	
36" x 24"	20.0"	-	-	-	-	-	-	-	101	116	131	165	198	230	250	75/100	
36" x 30"	24.0"	-	-	-	-	-	-	-	101	116	131	165	198	230	250	75/100	
42" x 30"	24.0"	-	-	-	-	-	-	-	-	135	151	187	223	259	250	100/120	
42" x 36"	29.0"	-	-	-	-	-	-	-	-	135	152	190	225	260	250	100/120	
48" x 6"	5.0"	24	30	38	48	59	-	-	-	-	-	-	-	-	400	75	
48" x 10"	8.0"	-	32	39	48	59	76	91	-	-	-	-	-	-	325	75	
48" x 40"	32.0"	-	-	-	-	-	-	-	-	-	-	275	300	360	250	180	
24" x 15"	12.0"	-	-	-	24	28	38	48	58	67	77	-	-	-	350	40	

# ADVANTAGES

Mechtech's Double Toggle Jaw Crusher DTJC Series can be used for crushing even the hardest and toughest of minerals and is the most ideal for sand manufacturing. It produces desired finer output of high quality as the amount of fines present is minimal. Our DTJC's are engineered at higher capacity, low maintenance costs and least power consumption.



Unique crusher performance



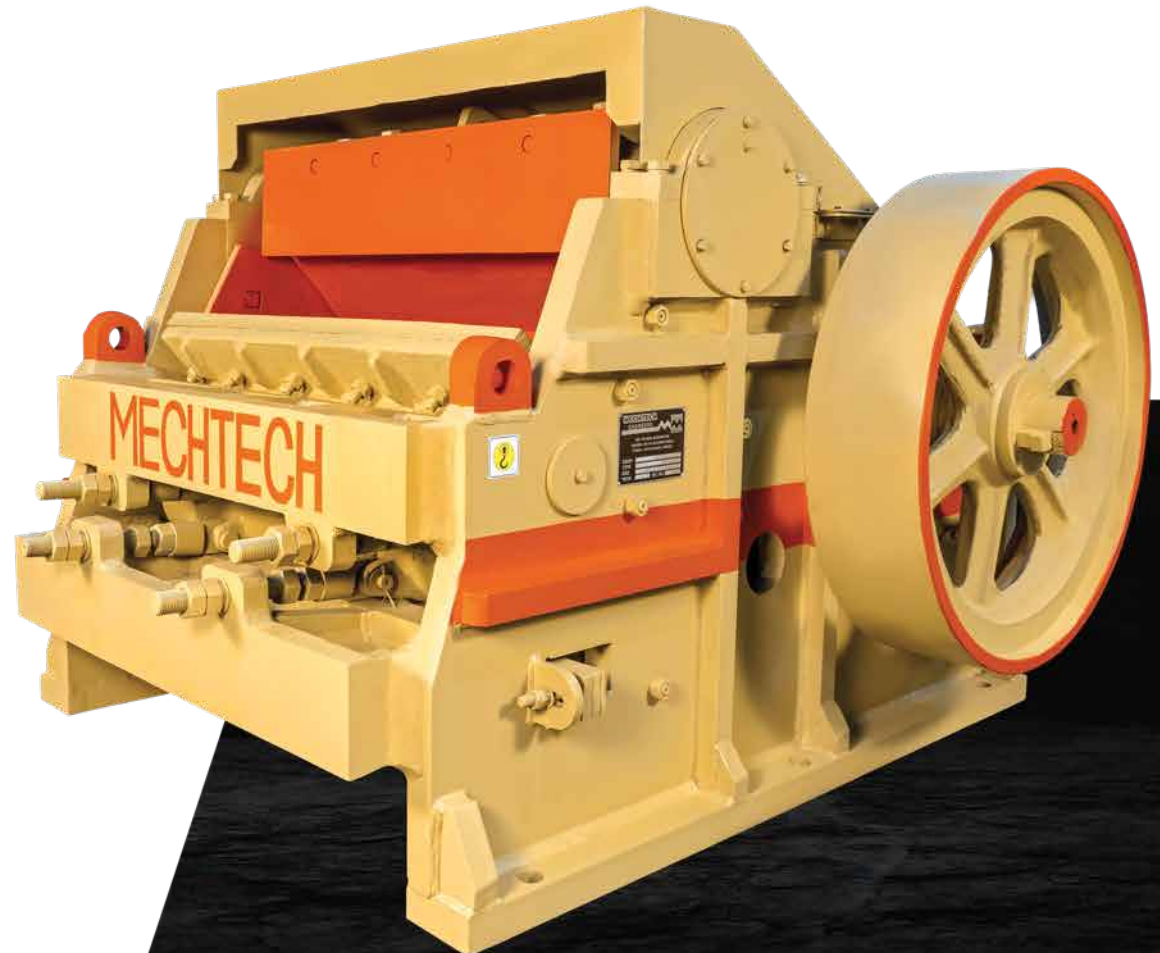
Higher productivity



Lessens wear-related decay



Automated lubrication system



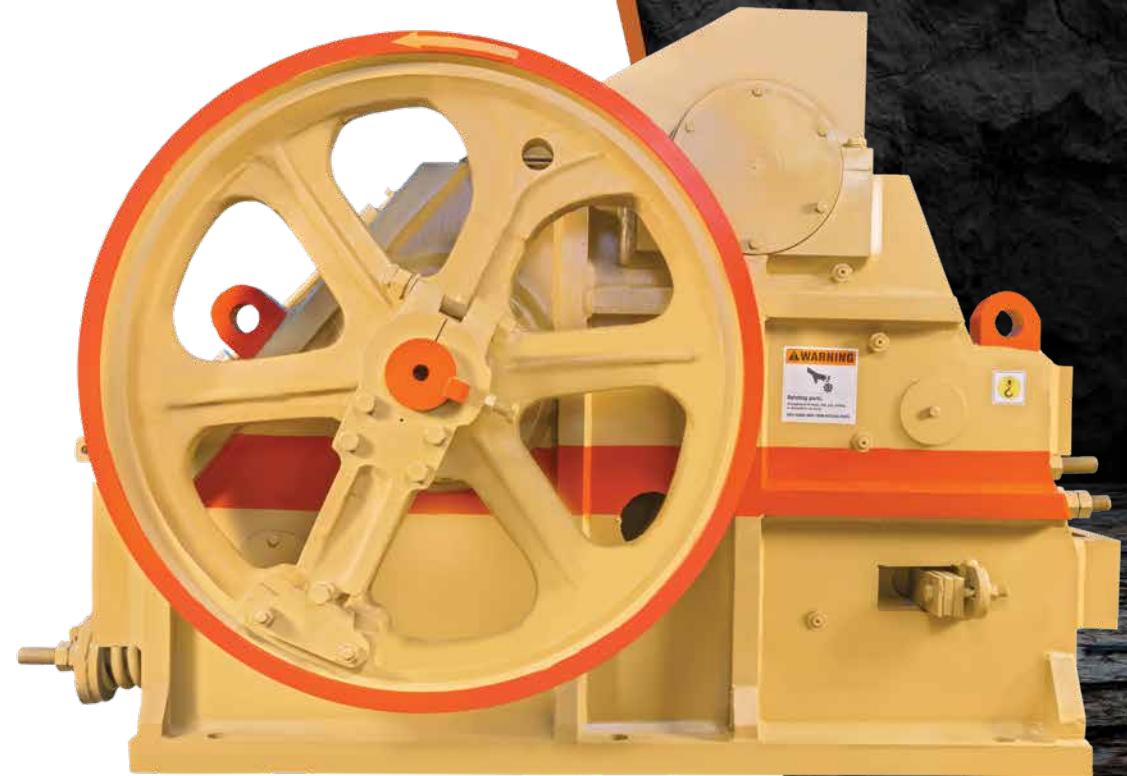
## WHY MECHTECH DTJC SERIES?

Customers remain permanently associated with 'MECHTECH' to meet their production goals due to engineering experience spanning three decades and excellent after-sales service.

MechTech jaw crushers are proudly made in India and have numerous installations both domestically and internationally.

Our engineering expertise, combined with the use of lean manufacturing techniques, has enabled MechTech to respond to the changing needs of our customers and applications.

Mechtech provides a comprehensive range of double-toggle jaw crushers to provide primary and secondary crushing solutions with a high return on investment and low operating costs.





# INSTALLATIONS

We at Mechtech are bringing our designs 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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