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STAR TRACE[®]
PRIVATE LIMITED

LABORATORY JAW CRUSHER



Single Source

**Incorporated testing, design engineering, fabrication,
and services to confirm tailor-made total systems**

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INTRODUCTION

Star Trace offers a range of products which are widely used across various laboratories and also hold diverse industrial applications. These wide range of products are manufactured according to industrial quality and standards. Backed by our excellent engineering and quality control team, we are able to satisfy the client requirement for various engineering products all over the world. With more than 20 years of experience in this field, we have been supplying technically accurate and superior products to our clients and have catered to the requirement of variety of sectors and clients.

LAB JAW CRUSHER APPLICATION

Star Trace Laboratory Jaw Crusher is mainly used for a variety of rocks or ores with medium hardness, which is the most important laboratory equipments in metallurgy, geology, building material, chemical industry. The suitable materials are pyrite stone, limestone, basalt, rock phosphate, barite, alloys, coal & coke etc.

The machine structure of Lab Jaw Crusher:

This series of jaw crusher is composed of machine body, eccentric shaft, belt pulley, fly wheel, movable jaw, side guard, gap adjustment screw, return spring, fixed jaw plate and movable jaw plate. This series of crusher have high crushing ratio, regular finished product size, simple structure, reliable operation, easy to maintain and other characteristics.

Lab Jaw Crusher Operating Principle:

For this crusher, crushing way is squeeze-press type, motor drive belt and belt pulley, through eccentric shaft to make movable jaw move up and down. When the movable jaw rises, the angle between toggle plate and movable jaw plate will become large, so that moving the movable jaw plate closed to the fixed jaw plate, meanwhile the material is pressed, rubbed, grinded for many times. When the movable jaw plate down, the angle between toggle plate and the movable jaw plate will become small, with the effect of spring, the movable jaw plate will leave fixed jaw plate, at this time, the crushed material has be discharged out from the crushing chamber. With the motor continuous rotation, the movable jaw plate will make a periodic crushing and discharging to realize continuous crushing.

LAB JAW CRUSHER SPECIFICATION

Model	Feeding size (mm)	Output size (mm)	Main shaft rotation speed min/r)	Capacity (kg/h)	Power (kw)
STJC-50	50	3-10	600	45-550	1.5
STJC-80	80	6-25	600	60-850	2.2
STJC-150	150	6-38	285	500-3000	4

Material of Construction of Jaw Blade Set	
Material to be crushed	MOC of Jaw Blade Set
Geological Ores and Minerals	Hardened steel
Alloys	Tungsten Carbide Lined
Coal & Cock	Tungsten Carbide Coated

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