Laboratory Jaw Crusher - Sample Pre-Crusher - Feed Below 40 mm - Final Fineness Below 0.5 mm

Model **MSJC-G6SWISS** | Brand **Master Science**





The Master Science Laboratory Jaw Crusher is built for preparing solid samples in the laboratory. Its compact, dust-proof design crushes small quantities of material with large feed sizes gently and without loss, reducing pieces below 40 mm to a final fineness of d90 below 0.5 mm.

KEY HIGHLIGHTS

- High size reduction
- Wear compensation
- Clean work area
- Contamination control

AT A GLANCE

3 L	500 to 1000 rpm
COLLECTOR CAPACITY	SPEED

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Overview

Jaw speed is adjustable from 500 to 1000 rpm, the gap can be set from 0 to 11 mm, and zero-point adjustment compensates for jaw wear. Jaw plates are available in five materials, so the Master Science Laboratory Jaw Crusher can be matched to hard, soft or contamination-sensitive samples.

Large, hard samples must be reduced before fine grinding. The Master Science Laboratory Jaw Crusher helps with:

Key Benefits

High size reduction
From 40 mm down to below 0.5 mm in one step.

Wear compensation
Zero-point adjustment keeps the gap accurate over time.

Clean work area
Dust-proof design with anti-splash hopper.

Contamination control
Jaw plates in five materials for different sample needs.

For fine grinding after crushing, see our automatic mortar grinder.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSJC-G6SWISS
SKU	MSJC-G6SWISS
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Model	MSJC-G6SWISS
SKU	MSJC-G6SWISS
Final Fineness	< 0.5 mm (d90)
Speed	500 to 1000 rpm
Collector Capacity	**3 L**
Gap Setting	0 to 11 mm
Zero Point Adjustment	Yes

DIMENSIONS & WEIGHT	
Feed Size	< 40 mm
Jaw Plate Width	59.5 mm
Dimensions (W × D × H)	450 × 630 × 490 mm
Net Weight	93 kg

POWER	
Rated Power	1.1 kW
Power Supply	220 V, 50/60 Hz

PROBLEMS THE MASTER SCIENCE LABORATORY JAW CRUSHER SOLVES	
Oversized samples	Accepts feed up to 40 mm.
Jaw wear affecting results	Zero-point adjustment restores the set gap.
Dust and sample loss	Dust-proof housing and splash-guard hopper.
Metal contamination	Choice of jaw materials, including metal-free options.

Applications

The Master Science Laboratory Jaw Crusher is used for
Pre-crushing rocks, ores and minerals Construction materials and slag Ceramics, glass and dental materials Coal and coke sample preparation Geology, mining and metallurgy labs

Crushing

- Adjustable speed 500 to 1000 rpm
- Gap setting 0 to 11 mm
- High throughput and size reduction

Design

- Compact, dust-proof construction
- Anti-splash feed hopper
- Easy-to-clean crushing chamber
- 3 L sample collector

Jaw Plate Materials

- Manganese steel for hard and medium-hard samples
- Stainless steel for low-hardness samples
- Tungsten carbide for very abrasive samples
- Zirconium oxide for metal-free ceramics
- Heavy-metal-free steel

Standard Accessories Included

- Jaw crusher main unit
- Sample collector

Optional Accessories

- Jaw plates in manganese steel, stainless steel, tungsten carbide, zirconium oxide or heavy-metal-free steel