

# LAARMANN

*Innovators in Solids*

## Jaw Crushers

JC1000 • JC2000 • JC2500 • JC3000 • JC5000

Superior Primary  
Jaw Crushers engineered  
for rapid reduction  
of large particles

Jaw Crushers for Coarse  
Primary Crushing and  
Mid Range Primary Crushing

Essa Jaw Crushers are well proven single  
toggle, high reduction Jaw Crushers.

The crushing capacity and the end-fineness  
of the sample material depends on the type  
of crusher and on the breaking characteris-  
tics of the sample material.

Essa Crushers are designed for laboratory  
applications and for operating environ-  
ments and accepts soft to hard ores, drill  
cores, rocks, alloys, slags, soils, ceramics  
and similar hard and brittle materials.



# Essa Jaw Crushers

JC1000 / JC2000 / JC2500 / JC3000 / JC5000



JC1000



JC2000



JC2500



JC3000



JC5000

## Selection Guide Pre-Crushing

Model	JC1000	JC2000	JC2500	JC3000	JC5000
Feed Size	<85mm	<110mm	<110mm	<170mm	<250mm
Usual End Fineness	6mm	6mm	90%<2mm	25mm	30mm
Continuous or Batch	Continuous	Continuous	Continuous	Continuous	Continuous
Batch Capacity Throughput	250kg/hr	500kg/hr	180kg/hr	3.000 kg/hr	15.000 kg/hr
Dust Extraction Points	1	2	2	2	0
Dust Extraction Flow	150L/sec.	170L/sec.	225L/sec.	270L/sec.	
Timer Setting	Stop/Start	Stop/Start	Stop/Start	Stop/Start	Stop/Start
Electrical requirements (3 phase)	2.2 KW	4KW	7.5KW	7.5KW	22KW

## High operator convenience and maximum safety

Maximum Crushing performance and maximum safety is important for ESSA Jaw Crushers. Due to integrated hopper baffle plates the operator is protected from rebounding sample material.

An Electronic shear pin overload protection prevent the Jaw Crusher against over adjusting and overloading.

The cleaning of the JC1000 and JC2000 is particularly easy due to the Auto Lift Infeed Hopper for easy access to the crushing chamber.

Due to the sturdy design, ESSA Jaw Crushers are virtually maintenance free.

JC2000 with Auto Lift Infeed Hopper



JC2500 with self feeding safety Hopper that provides adjustable feed rate

## Features and benefits



- » High throughput up to 15 tons and high reduction rate
- » High end fineness D90 < 1,6mm
- » Adjustable gap width setting
- » Jaw Plates made of a range of materials
- » Safety Inlet Hopper with Auto Lift Function
- » Easy to access crushing chamber
- » Integration versions available
- » Crusher / Sample Divider Combo available
- » Certified safety (CE conform)
- » Combo with Disc Pulverizer DP200 available

## Selection of Jaw Plates

Jaw Plates and Side Liners for ESSA Jaw Crushers are available in a range of different materials:

**Manganese steel / Stainless Steel / Heavy Metal Free Steel / Tungsten Carbide**

All Wear Parts can be replaced easily or the Jaw Crusher can be ordered to be delivered with the desired Jaw Plates and Side Liners.



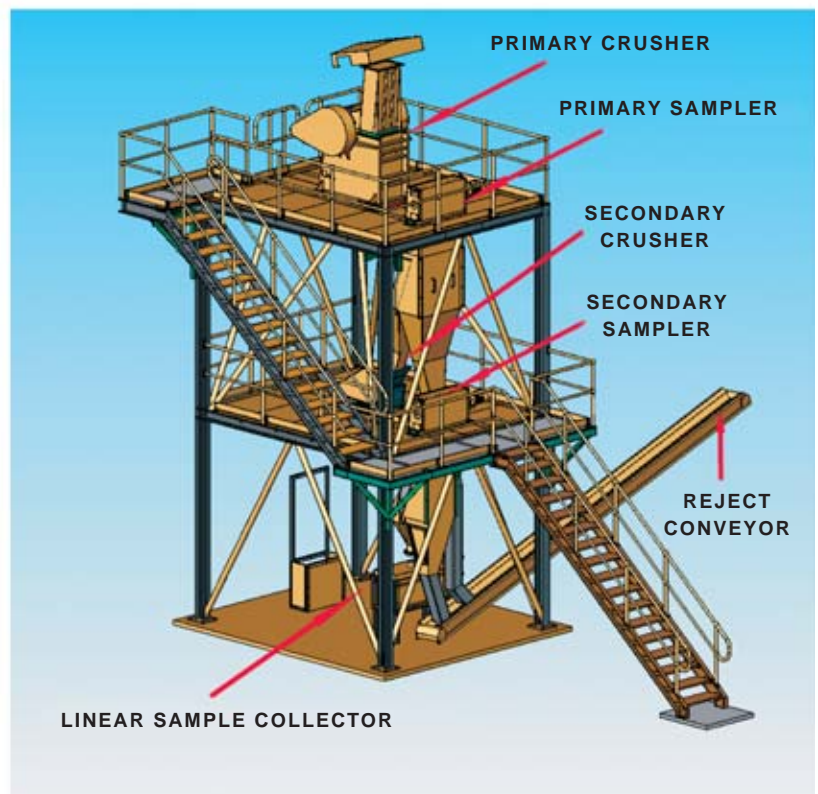
JC 2000 serrated Jaw Plates

## ESSA Jaw Crushers as Integration version for online operation in a sample preparation tower

Essa Jaw Crushers are available as well to be integrated in a sample tower. This Crusher are designed to operate continuously for on line crushing operations in a sample tower. The integration crushers are supplied without the In feed Hopper and without the Motor Protections Switch. The Motor of the Crusher will be supplied according to the customer's requirements.



JC2000 Integration version





Disc Mill Pulverizer



Auto Batch Mill



Micron Mill



Hammer Mill

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