



GI CRUSHER

VESUVIO

GI107C/CV



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VESUVIO



The model **CRUSHER TRACK VESUVIO** is the most professional mobile crusher in the market, equipped with last generation management systems, it is easy to use and environmentally friendly. Made for any customer that wants to be a **professional recycler**.

The HCS system checks all the machine components, this means maximum performance in terms of:

- Low fuel consumption
- Low crushing chambers wear
- High production

it means: **Low running cost**.

The structural integration between the chassis and jaw crusher guarantees the maximum strength to the crushing stress.

Characteristics:

Output until 320 t/h

High production with the new design of the jaw crushers Gasparin Omg

Very aggressive swing jaw action, for a maximum crushing effect.

High efficiency of the jaw chamber.

HCS (Hydraulic Crushing System), it means full hydraulic management machine. The system checks and adjusts continuously the different components of the machine

Vibrating Grizzly feeder with replaceable double step bars grid.

Discharge height of the main belt conveyor: 3 m,

Hydraulic folding hopper with wedgelock system.

Easy access to the engine.

Big access under the jaw crusher, for maintenance.

Possibility of pre-screen

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JAW CRUSHER

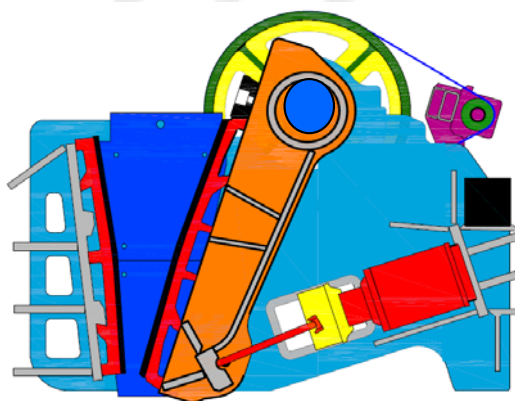
Crusher type:	Single Toggle Jaw, with hydraulic adjustment, safety and drive.
Feed opening:	1020x700 mm. Extra long jaws
Bearings:	Self aligning spherical roller.
Lubrification:	Grease.
Drive:	Wedge belts with screw tension adjustment on hydraulic motor
Minimum setting:	45 mm in recycling. 65 mm C.S.S. In natural stone application with hardness under 200Mpa. For other application don't hesitate to contact the Gasparin technical department
Maximum setting:	180 mm
Controls:	Full hydraulic management, (CSS setting and safety system).



HCS Hydraulic Crushing System (Patented)

HCS is an electro-hydraulic system that checks and adjusts continuously all the machine components, in particular the crusher functions, jaws setting and safety.

The HCS system provides the power that the crusher needs, it adjusts the CSS with the big cylinders behind the swing jaw (for a constant output size) and it opens the jaws when there is an uncrushable object inside the crushing chamber.



JAW CRUSHER INLET

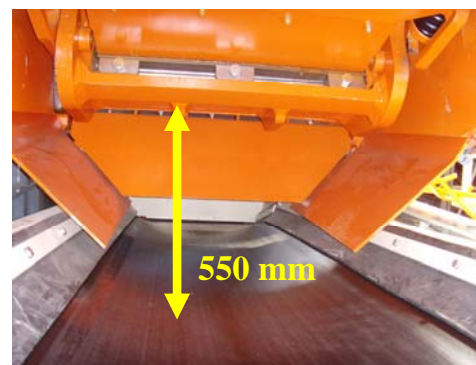
The mouth of the crusher is fabricated in heavy duty one piece. It has a sensor that stops the machine if the safety top grid isn't fully closed.



JAW CRUSHER DISCHARGE HOPPER

Type: Tri-lateral hopper in Hardox 400

Distance between jaw crusher and main conveyor: 550 mm



FEED HOPPER

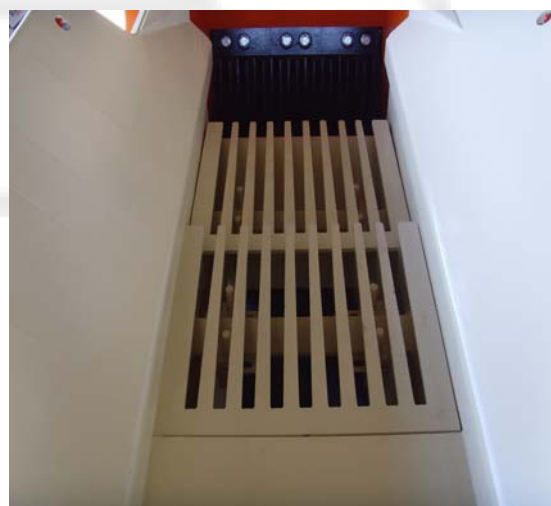
Type: tri-lateral feed hopper hydraulic folding
Length: 3960 mm
Width: 2000 mm
Capacity: 5 m³
Design: Heavy duty construction with "U" shape reinforcements



The folding walls cylinders are housed within the frame in a protected position.

VIBRATING FEEDER "C VERSION"

Type: Grizzly
Vibrating unit: Twin heavy-duty cast eccentric shafts running in spherical roller bearings.
Length: 3600 mm.
Width: 970 mm.
Drive: Hydraulic motor
Bars: Double step grid bars
 Length: 1820mm
 Spacing 40-55mm
Adjustment: The vibrating speed can be adjusted from the main console.



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BYPASS CHUTE

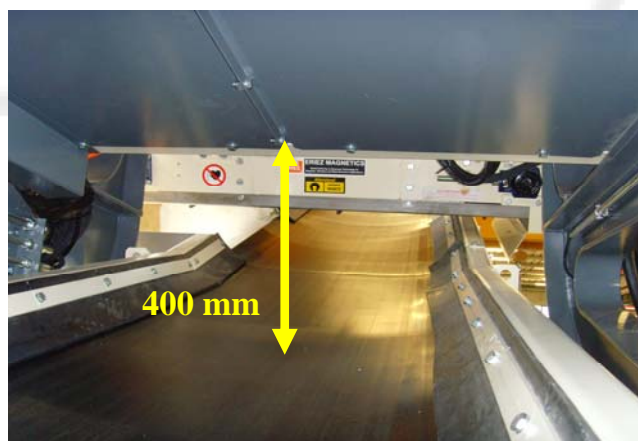
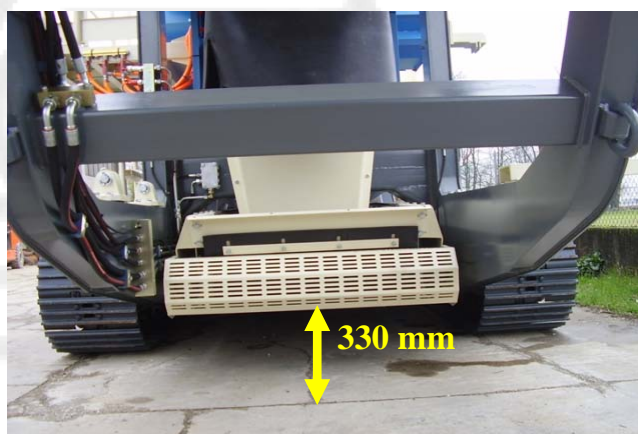
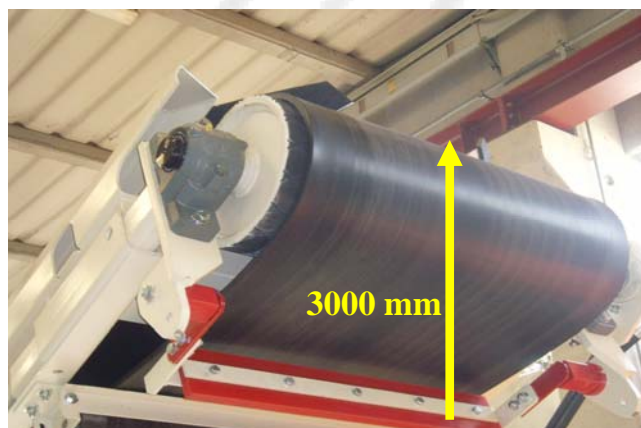
Type: vibrating hopper under the grid bars, fixed bypass rubber chute for unload the fines material on the main conveyor or on the side conveyor.



MAIN CONVEYOR

Type: "banana" shape design.
Length: 10000 mm
Width: 800 mm
Discharge height: 3000 mm.

Belt scraper: Stainless steel blades are fitted as standard
Skirting: Monolithic wear resistant rubber sealing skirts along the entire conveyor length.



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POWERPACK

The technical features of the engines are valid only for European Community

Engine: 6 cylinders Stage IV

Performance: 185 kW

Fuel tank capacity: 400 lt.

Gear: no gear box, direct pumps in line with the engine.



Variable displacement oil pump, only for the hydraulic closed circuit of the jaw crusher or impact crusher, managed by HCS.



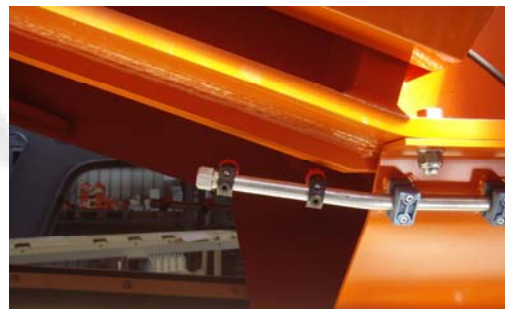
Variable displacement load sensing oil pump, for the hydraulic open circuit for the other utilities.



Hydraulic open circuit load sensing distributor .

DUST SUPPRESSION SYSTEM

Spray bars with atomiser nozzles are mounted on the lateral walls of the hopper, under the jaw crusher and under the powerpack, before the magnet.



CRAWLER TRACKS

Type: heavy duty
Longitudinal centers: 3310 mm
Track width: 400 mm
Climbing grade: 25°
Max speed: 0.90 km/h
Control: Umbilical



SAFETY DEVICES

The machine has guarding, in its parts, to protect the operator. The protected parts are: flywheels, tail drums and rollers.



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PLATFORM

A maintenance platform is provided on one side of the feeder with double row handrails and access ladders. A platform is also included to gain access between the crusher and the powerpack.



CHASSIS

Heavy duty fabricated "I" section of welded construction. The structural integration between the chassis and jaw crusher guarantees the maximum strength to the crushing stress.



CONTROL PANEL AND HYDRAULIC UNIT

The control panel and the hydraulic unit are concentrated in a single cabinet. This choice is fundamental for an easy maintenance.



UMBILICAL

A hard wired umbilical control unit is also supplied with the plant. This is fitted with controls for the track motion, start and emergency.



FUEL PUMP

The electric fuel pump is standard.



MAGNETIC SEPARATOR

Type: Suspended self-cleaning overband.
Magnet width: 600 mm
Magnet length: 1000 mm
Drive: Hydraulic motor.
Discharge chute: Stainless steel



OPTIONAL

- Water pump for dust suppression system
- Side conveyor.
- Remote control (Step 1 or Step 2)
- HARDOX 400 hopper wear plates.
- Bars grid .
- Automatic lubrication system .
- Hydraulic pump for screen unit .
- Extended main conveyor

PRE-SCREEN FOR "CV" VERSION

Type:	Feeder+ independent double deck pre-screen
Length:	1900+1800 mm.
Width:	1020 mm.
Drive:	Hydraulic motor
Top deck:	Punched plate Length: 1800mm Square hole 60mm
Bottom deck:	Square mesh 25mm



SIDE CONVEYOR

Width:	600 mm
Length:	4500 mm
Discharge height:	2500 mm
Drive:	Hydraulic motor.



HYDRAULIC SWIVELLING SIDE CONVEYOR

Width:	600 mm
Length:	2700 mm
Discharge height:	2000 mm
Drive:	Hydraulic motor.



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REMOTE CONTROL

Step 1:

- Start/stop feeder
- Emergency



Step 2:

- Proportional speed tracks.
- Speed track fast/slow
- Start/stop feeder
- Start/stop pre-screen (if installed)
- Stop button for the machine
- Emergency

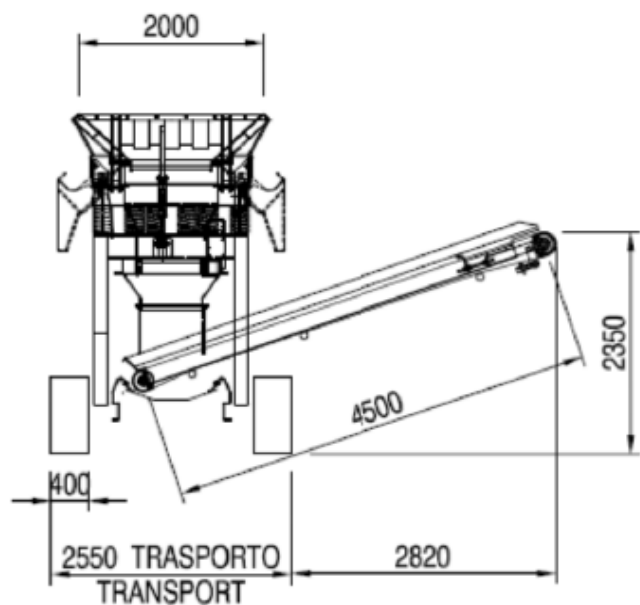
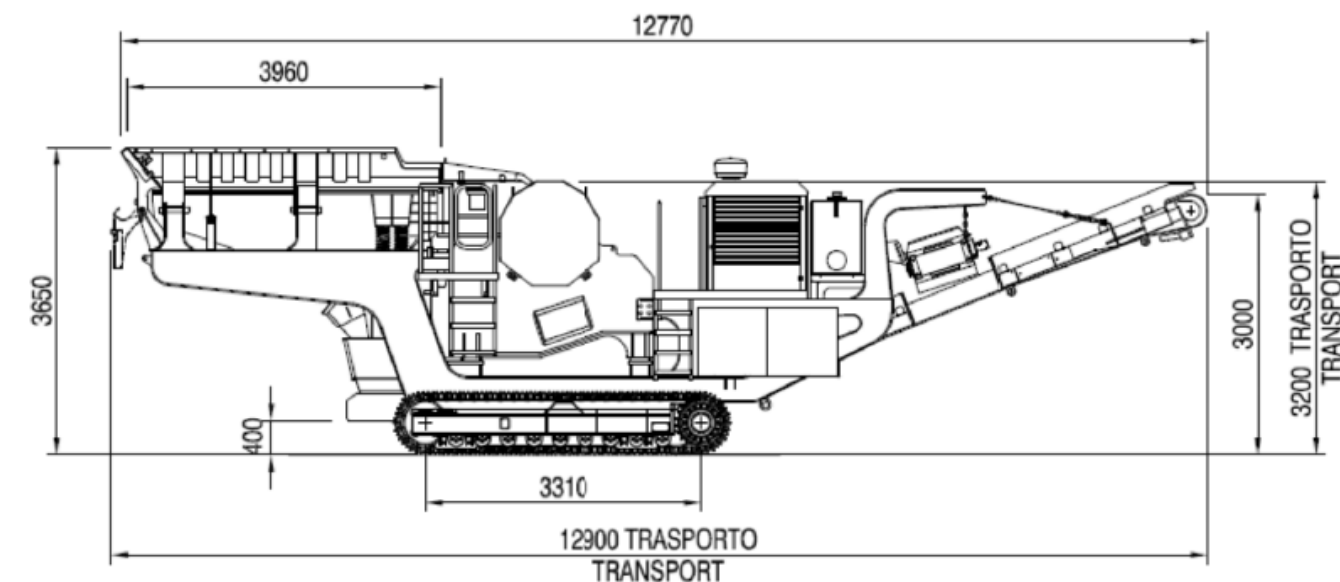


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DIMENSIONS



APPROXIMATE OVERALL PLANT WEIGHTS & DIMENSIONS

- Operating length: 12770 mm
- Operating height: 3650 mm
- Operating width: 2550 mm
- Transport length: 12900 mm
- Transport height: 3200 mm
- Transport width: 2550 mm
- Base machine Grizzly weight: 34500 kg
- Base machine Pre-screen weight: 35000 kg



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SALES ARGUMENTS

- ✓ Very compact transport dimension
- ✓ Height output, until 320 t/h
- ✓ Low maintenance cost
- ✓ Hydraulic management system HCS (Hydraulic Crushing System)
(Patented Gasparin Omg)
 - Hydraulic C.S.S. adjustment (CLOSE SIDE SETTING)
 - Active hydraulic safety for uncrushable material
 - Automatic setting of the crushing power
- ✓ Double step grid bars (grizzly version)
- ✓ Heavy duty construction
- ✓ Full possibility adjustment
- ✓ Self adjustment feeder's speed
- ✓ Flexibility to use
- ✓ Possibility to install a pre-screen
- ✓ Large openings for the iron extraction under the jaw and for maintenance
- ✓ Exclusive design, made Gasparin Omg
- ✓ Excellent price for maximum performance
- ✓ **MACHINE "ENVIRONMENTALLY FREINDLY"**