



GI CRUSHER

EVEREST

GI129C/CV





The model **CRUSHER TRACK EVEREST** is one of the biggest mobile crusher in the Gasparin Omg product range, equipped with last generation management systems, it is easy to use and environmentally friendly. Made for any quarry application (including very hard rock), good as well in recycling application.

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

- Big reduction ratio
- Low crushing chambers wear
- High production

which means: **Low running cost.**

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

Characteristics:

Output up to 430 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), which means the 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: 3,22m,

Hydraulic folding hopper with wedgelock system.

Easy access to the engine.

Big access under the jaw crusher, for maintenance.

Possibility of pre-screen

Big feed size: 750mm

JAW CRUSHER

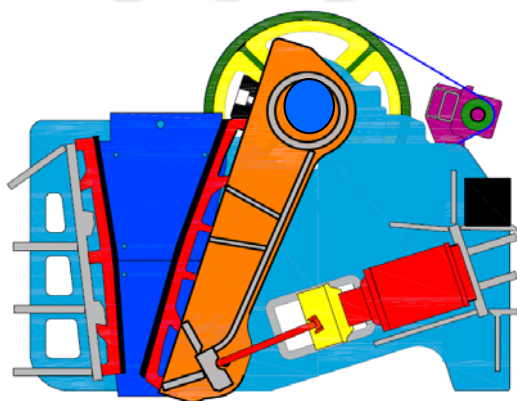
Crusher type:	Single Toggle Jaw, with hydraulic adjustment, safety and drive.
Feed opening:	1150x850 mm. Extra long jaws
Bearings:	Self aligning spherical roller.
Lubrication:	Grease.
Drive:	Wedge belts with screw tension adjustment on hydraulic motor
Minimum setting:	75 mm C.S.S. In recycling and natural stone application with hardness under 200Mpa. For other application don't hesitate to contact the Gasparin technical department
Maximum setting:	200 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 un-crushable object inside the crushing chamber.



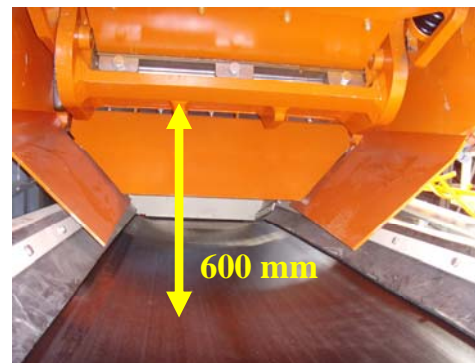
JAW CRUSHER INLET

The mouth of the crusher is fabricated in heavy duty single 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: 600 mm



FEED HOPPER

Type: tri-lateral feed hopper hydraulic folding
Length: 4960 mm
Width: 2850 mm
Capacity: 7 m³
Design: Heavy duty construction with "U" shape reinforcements



The folding walls cylinders are housed under a special guards.

VIBRATING FEEDER "C VERSION"

Type: Grizzly
Vibrating unit: Twin heavy-duty cast eccentric shafts running in spherical roller bearings.
Length: 4250 mm.
Width: 1120 mm.
Drive: Hydraulic motor
Bars: Double step grid bars
 Length: 2060mm
 Spacing 30/70mm
Adjustment: The vibrating speed can be adjusted from the main console.
 Replaceable anti-wear blind deck



BYPASS CHUTE

Type: Reversible conveyor.
Length: 1000 mm
Width: 970 mm

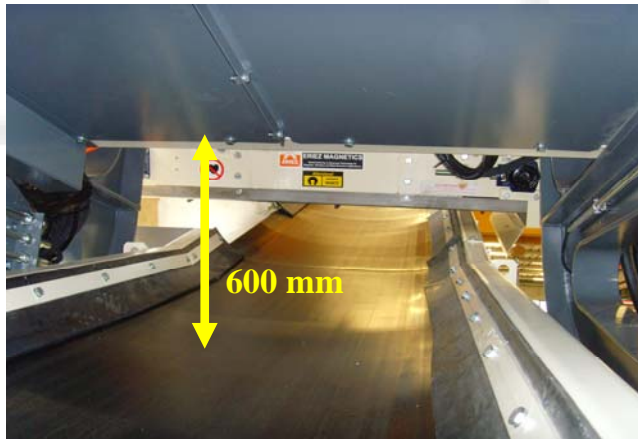
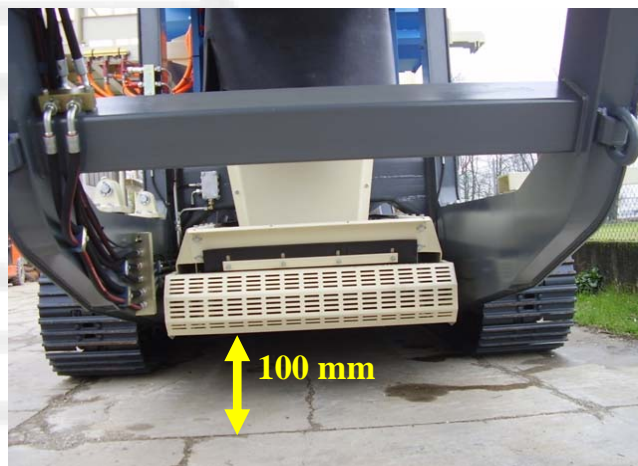
Standard drive: the conveyor load the material on the **main conveyor**.
 Opposite direction: the conveyor load the material on the **side conveyor**.



MAIN CONVEYOR

Type: Hydraulic folding
Length: 10000mm
Width: 1100mm
Discharge height: 3220mm

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



POWERPACK

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

Engine: 6 cylinders Stage IV

Performance: 235 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: 3900 mm
Track width: 500 mm
Climbing grade: 25°
Max speed: 0.90 km/h
Control: Umbilical



SAFETY DEVICES

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



GI CRUSHER EVEREST

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 power pack.



CHASSIS

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



CONTROL PANEL AND HYDRAULIC UNIT

The control panel and the hydraulic unit are in a two different cabinet. The machine is too big and it needs more space for the components..



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 with stainless steel case is standard.



MAGNETIC SEPARATOR

Type: Suspended self-cleaning overband.
Magnet width: 750 mm
Magnet length: 1150 mm
Drive: Hydraulic motor.
Discharge chute: Stainless steel



OPTIONAL

- Water pump for dust suppression system
- Side conveyor.
- Remote control (Liv.1 or Liv.2.)
- HARDOX 400 wear plate for hopper.

PRE-SCREEN FOR "CV" VERSION

Type:	Feeder + independent pre-screen
Length:	2700+2000 mm.
Width:	1120 mm.
Drive:	Hydraulic motor
Top deck:	Punched plate Length: 1800mm Square hole 70mm
Bottom deck:	Square mesh 40mm



SIDE CONVEYOR

Width:	800 mm
Length:	6000 mm
Discharge height:	2610 mm
Drive:	Hydraulic motor.
Skirting:	Monolithic wear resistant rubber sealing skirts along the entire conveyor length.



REMOTE CONTROL

Step 1:

- Start/stop feeder
- Emergency



Step 2:

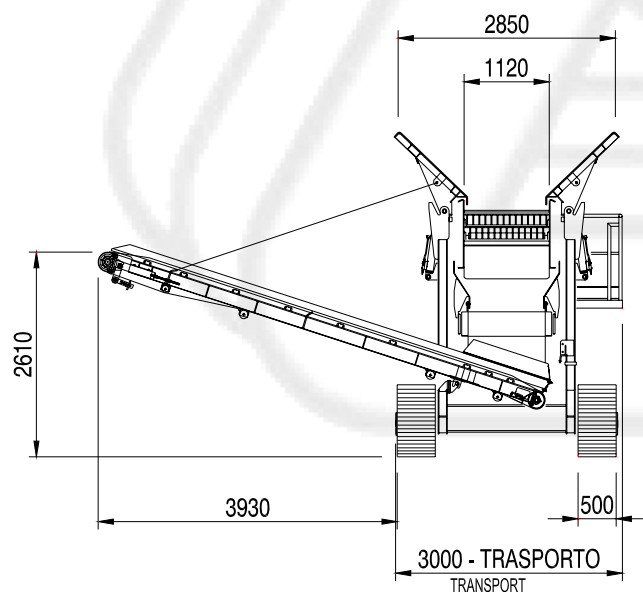
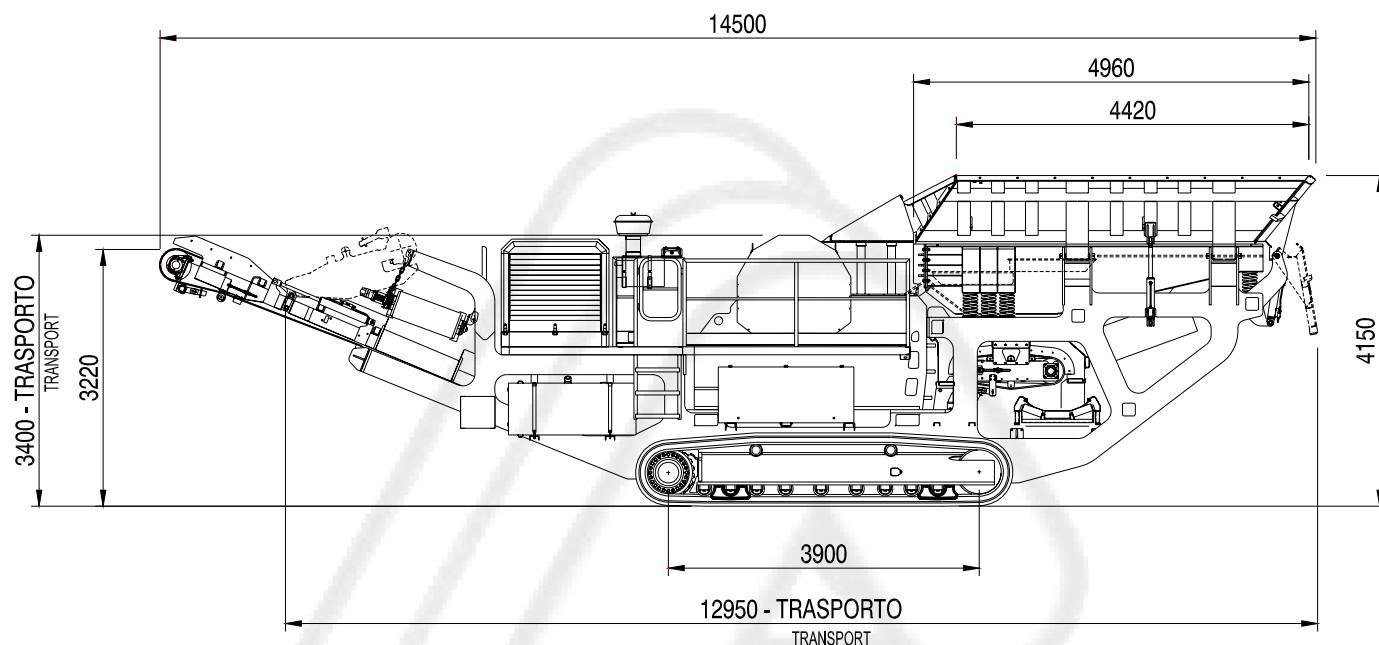
- Proportional speed tracks.
- Speed track fast/slow
- Start/stop feeder
- Start/stop pre-screen (if installed)
- Stop button for the machine
- Emergency



GI CRUSHER *EVEREST*



DIMENSIONS



APPROXIMATE OVERALL PLANT WEIGHTS & DIMENSIONS

- Operating length: 14500 mm
- Operating height: 4150 mm
- Operating width: 3000 mm
- Transport length: 12950 mm
- Transport height: 3400 mm
- Transport width: 3000 mm
- Base machine Grizzly weight: 55000 kg
- Base machine Pre-screen weight: 55000 kg



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SALES ARGUMENTS

- ✓ Height output, up to 430 t/h
- ✓ Big feed size material until 750mm
- ✓ 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 ("CV version")
- ✓ 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"**