



GI CRUSHER

VULCANO

GI86C





GI CRUSHER VULCANO



The new model **GI CRUSHER VULCANO** is the most modern COMPACT machine, equipped with last generation management systems, it is easy to use and environmentally friendly.

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 190 t/h

High production with the new design of the jaw crushers Gasparin

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 bars grid.

Discharge height of the main belt conveyor: 2,75 m,

Easy access to the engine.

Big access under the jaw crusher, for maintenance.



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JAW CRUSHER

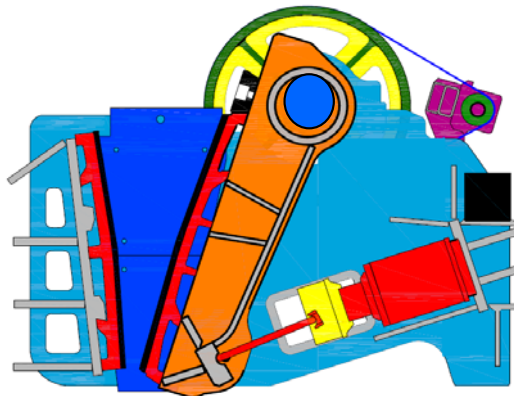
Crusher type:	Single Toggle Jaw, with hydraulic adjustment and safety.
Feed opening:	830x580 mm.
Bearings:	Self aligning spherical roller.
Lubrification:	Grease.
Drive:	Wedge belts with screw tension adjustment on hydraulic motor
Minimum setting:	30 mm in recycling. 60 mm C.S.S. In natural stone application with hardness under 200Mpa. For other application don't hesitate to contact the Gasparin technical department
Maximum setting:	160 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 cylinder 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'S 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.





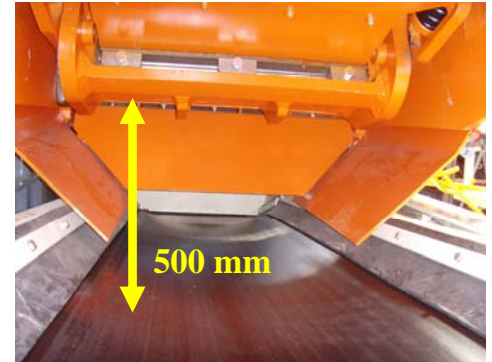
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JAW CRUSHER'S DISCHARGE HOPPER

Type: Tri-lateral hopper in Hardox 400

Length between jaw crusher and main conveyor is 500 mm



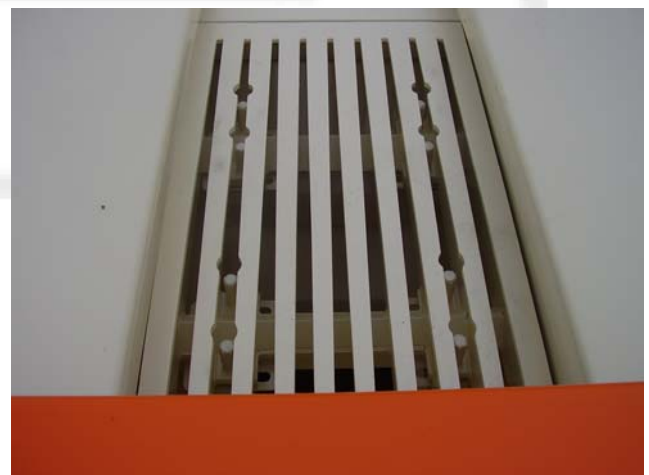
FEED HOPPER

Type: tri-lateral fixed hopper
Length: 3000 mm
Width: 1800 mm
Capacity: 3.5 m³
Design: Heavy duty construction with "U" shape reinforcements



VIBRATING FEEDER

Type: Grizzly
Vibrating unit: Twin heavy-duty cast eccentric shafts running in spherical roller bearings.
Length: 3270 mm.
Width: 780 mm.
Drive: Hydraulic motor
Bars: Grid bars
 Length: 1350 mm
 Spacing 30-45 mm
Adjustment: The vibrating speed can be adjusted from the main console.





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BYPASS CHUTE

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



MAIN CONVEYOR

Type: "banana" shape design manual foldable.

Length: 9500 mm

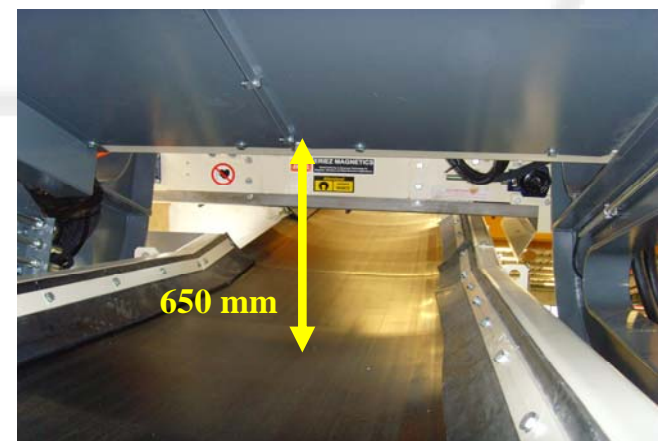
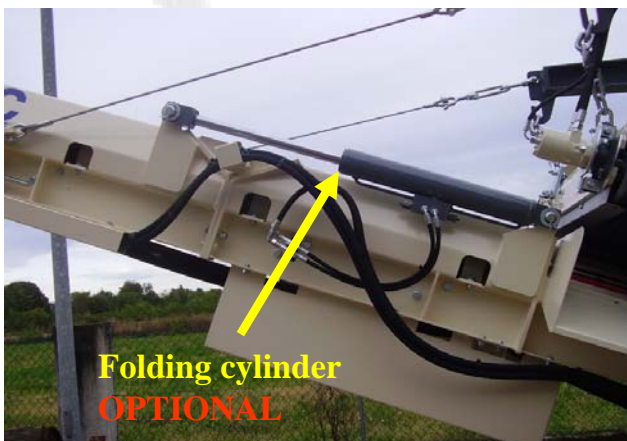
Width: 800 mm

Discharge height: 2750 mm

Hydraulic folding as optional

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

Engine: John Deere 4 cylinders turbo intercooler Tier III

Performance: 104 kW (140 HP) a 2150 rpm

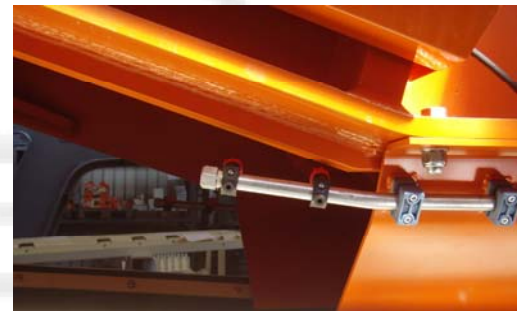
Fuel tank capacity: 235 lt.

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



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: 2920 mm
Track width: 400 mm
Climbing grade: 25°
Max speed: 0.90 km/h
Control: Umbilical





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SAFETY DEVICES

The machine has guarding, in some its parts, for protect the operator.
The protected parts are: flay wheels, and return drums and rollers .



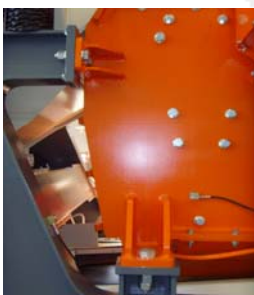
PLATFORM

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.





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CONTROL PANEL AND HYDRAULIC UNIT

The control panel and the hydraulic unit are easy to use .



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.





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MAGNETIC SEPARATOR

Type:	Suspended self-cleaning overband.
Magnet width:	600 mm
Magnet length:	800 mm
Drive:	Hydraulic motor.
Discharge chute:	Stainless steel

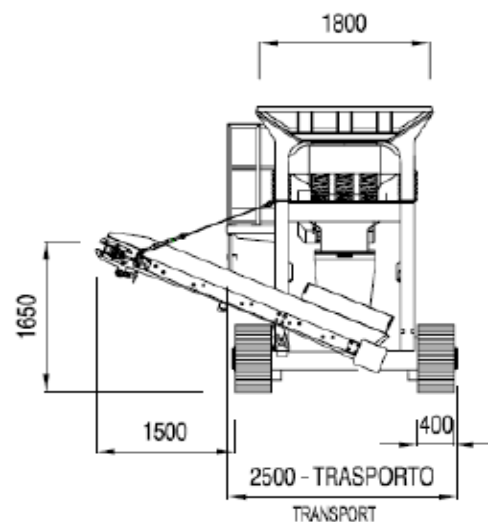


OPTIONAL

- 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 .
- Cylinders set for hydraulic folding main conveyor .
- Hydraulic pump for screen unit .

SIDE CONVEYOR

Width :	500 mm
Length :	3000 mm
Discharge height:	1.65 m
Drive:	Hydraulic motor.
Skirting:	Monolithic wear resistant rubber sealing skirts along the entire conveyor length





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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

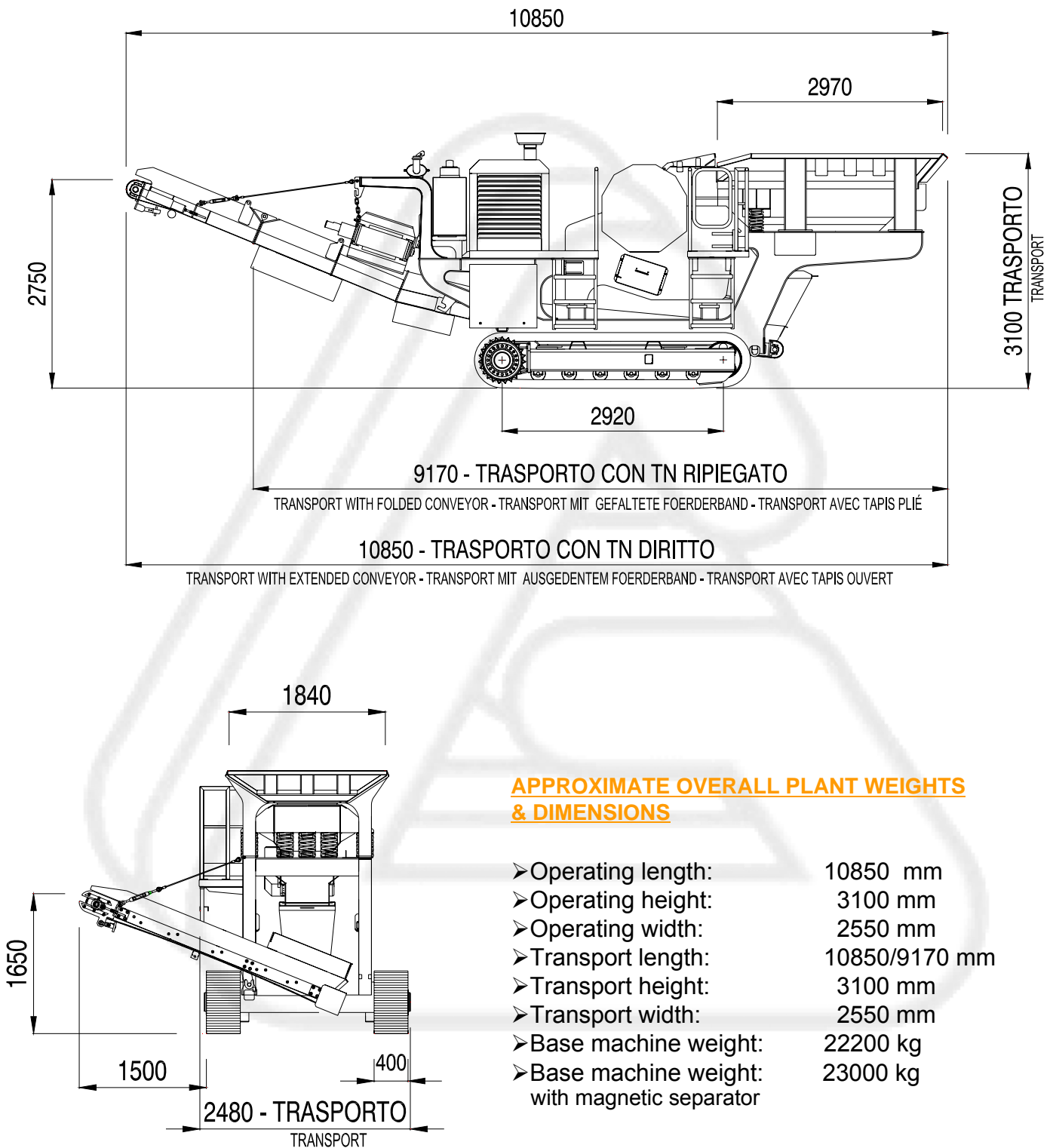




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DIMENSIONS





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SALES ARGUMENTS

- ✓ Very compact transport dimension
- ✓ Setup time under 5 minute
- ✓ Height output, until 190 t/h
- ✓ Low maintenance cost
- ✓ Hydraulic management system HCS (hydraulic Crushing System) (Patented G.I.)
 - Hydraulic C.S.S. adjustment (CLOSE SIDE SETTING)
 - Active hydraulic safety for uncrushable material
 - Automatic setting of the crushing power
- ✓ Heavy duty construction
- ✓ Full possibility adjustment
- ✓ Self adjustment feeder's speed
- ✓ Flexibility to use
- ✓ Large openings for the iron extraction under the jaw and for maintenance
- ✓ Exclusive design, made Gasparin Impianti
- ✓ Excellent price for maximum performance
- ✓ **MACHINE "ENVIRONMENTALLY FREINDLY"**