

SAW NT3 DOUBLE CUTTING

SAW NT3 DOUBLE CUTTING at variable distance patented

Saw NT3 - designed for double cutting at variable distance - can be complementary to the Crushing mill MGH500 for the opening of the excavations in the asphalt (as shown in the NT3 brochure). The widths of cut achievable - with a depth of 13 cm - are: 62 cm, 58 cm, 55 cm, 53 cm, 50.5 cm, 40 cm, 35 cm, 30 cm, 28.5 cm, 25 cm, 23 cm, 20 cm, 18 cm, 7.5 cm, 5 cm, 2.5 cm. With one cut only and disc diam. 600 mm. you can get a maximum depth of 23 cm.

Two versions available:

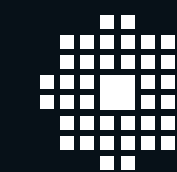
- 1) with 24 hp twincylinder petrol Honda engine with electric starter.
50lt steel water tank with pump for blade cooling, cutting depth indicator, mechanical control device to correct the cutting direction with positioning indicator, cutting depth adjustment by hydraulic pump easy to

manoeuvre.
Semiautomatic advance by handwheel; on request with hydraulic automatic advance.

- 2) with 21 hp twincylinder diesel Lombardini engine, type 12LD475/2 same features as petrol version.



CRUSHING MILL SAW NT3



FASTVERDINI

Quality and technology
in 60 countries worldwide.

Fast Verdini S.p.A.
Building and road equipment

61020 Chiusa di Ginestreto
Via dell'Industria - Pesaro (ITALY)
Tel. + 39 0721.481347
Fax. + 39 0721.481239

Export department:
Tel. +39 0721.481374
www.fastverdini.it
fastverdini@fastverdini.it

CRUSHING MILL MGH 500 HYDRAULIC



HYDRAULIC PATENTED UNIVERSAL CRUSHING MILL TORNADO MGH500

For the crushing of all construction materials including asphalt slabs, stone very hard, concrete blocks, stones, granite, rubble, reducing to a size 0 to 5 cm.

The crushing mill is equipped with 2 rotating shafts fitted with special, high-strength steel knives, has a slow rotation and makes no dust or noise.

During the tests has shown an amazingly great power: a block of concrete with steel rods diam. 18 mm. was easily grinded (the rod was released along with the debris). Hourly output ranges from 4 to 8 m³ / h. The crush mill manages very well to break up the asphalt too soft (as in summer) because it has a self-cleaning system that keeps tools free from any deposits of soft asphalt.

The Hydraulic MGH500 Tornado Crusher is fully automatic: if the two shafts are blocked by material very hard or long, torque required would be higher than planned, in which case it is necessary to spin the two rotors in the opposite direction and then immediately return initial rotation. This manoeuvre allows crushing blocks repeatedly and from different positions. The inversion is repeated until the large pieces are broken, thus making possible the grinding of blocks harder or larger than what the machine could stand. Results are therefore truly surprising.

Fast Verdini has designed and built this hydraulic automatic machine, unique in its kind, with excellent results of operation.

The Hydraulic MGH500 Tornado Crusher can operate connected to a mini-excavator or digger that provides a pressure of 130 bar and a range of lt. 40 / 1', or connected to a hydraulic pack Fast Verdini, the same used with the hydraulic hammers. The Hydraulic pack use FGH18 Briggs & Stratton engine 18 HP with electric start.

FAST VERDINI SYSTEM FOR TRENCHES OPENING

Comparison with the system of planers:

Fast Verdini system provides cut excavation with diamond saws to cut 1 or 2 simultaneous cutting at variable distances (see Saw Fast Verdini NT3 to 2 cuts), quickly and accurately, after which the excavator will dig as usual and so the trench will be ready for the desired use. Crushing slabs of asphalt and any other materials such as pebbles etc. with hydraulic crusher will be made when convenient, for example while digging is going on or at any time afterwards. The crushing mill is automatic and does not require the presence of any worker, while the planers have to work with an operator attending it; the crushing mill instead, only has to be loaded. The opening of the excavation with the FAST VERDINI system has significant advantages compared to the same work done with the planers:

A) if we were to perform an opening of trench 100 meters long. cm wide. 40 with a thickness of asphalt 8 cm. there would be a time of crushing slabs of asphalt in 25 minutes while the time to cut with diamond saws would be 110' minutes (less if it takes a two-edged saws like our SAW with double disk NT3).

Considering opening a trench 100 meters long but 1 mt. wide with asphalt thickness 8 cm., the cutting time would always be 110', while crushing slabs of asphalt with the Tornado Crusher Hydraulic MGH500 will be 60', with a total time of 170 minutes.

If same job was done by a planers, it would take more time.

B) Crushing with MGH500 Tornado can be done by choosing the timing of cheaper and less intense activity of the site, as mentioned above. And if the excavation is for a sewer, water pipe, etc., the wider width of the excavation makes even more convenient the use of the Fast Verdini system. The greater freedom of choice of time crushing largely compensates for the time of loading of crusher.

C) The diamond cut is much sharper and does not cause breakage of the cutting line, so the work appears to be technically better and less expensive.

D) The cut without deviation of the cut line allows a more

economical and precise restoration of the new asphalt, preventing unevenness in the roadway and not creating bumps or potholes for the traffic to avoid.

E) The planer applied to machinery - due to vibration (as it does not cut but breaks) damages the parts and joints, with an increase of maintenance costs and shorter life of the machinery.

F) The crusher does not generate dust or noise or vibration and can also be used on soft asphalt as those found in summer!

G) The Crusher Tornado and diamond saws can be used in many other jobs and with their lower unit cost are more easily amortized.

H) The Tornado Crusher MGH500 hydraulic or electric, can also be used in grinding slabs of asphalt originating from removal of road surfaces, for example in the construction of roundabouts, road repairs and maintenance etc. where the planer is not suitable for this use. Then, the crusher is a machine very versatile and widely used (just think of the work of crushing of the debris of demolished building). Is very important to emphasize that it is the only machine that can crush the asphalt in summer.

The diamond cut can be used in all situations, even on klinker-type interlocking concrete blocks, while the planer does not, and also with many other types of flooring materials

From all the above said, the crushing mill is a machine with an high return of the investment and is essential in construction sites and roads construction.

Technical features:

- Inlet mm. 490x360
- Feeding hopper mm. 670x780 enlarged to 1000x1140 mm.
- Hoppers offload adjustable
- Hydraulic flow rate 40 lt / 1' and 130 bar with a flow control valve
- Circuit breaker hydraulic (does not require the presence of the operator)
- Weight 700 Kg - Overall dimensions: 780x1800x1500 (h) mm.
- Production per hour: 4-8 mc / h
- 4 rubber wheels diam. 280 mm. including 2 swivel with brake.
- 2 hooks, 2 handles for transport

CRUSHING MILL MTH 500 ELECTRIC



UNIVERSAL ELECTRIC PATENTED CRUSHING MILL TORNADO MTH500. Performs the same job as the hydraulic

For the grinding of all construction materials including asphalt slabs (has a system that prevents the filling of the tools with soft asphalt), grain size 0 to 5 cm.

Electrical control panel with easy-starting device; motor protection; automatic reverse of shafts rotation; if the two shafts are blocked by material very hard or long, torque required would be higher than planned, in which case it is necessary to spin the two rotors in the opposite direction and then immediately return initial rotation. This manoeuvre allows crushing blocks repeatedly and from different positions. The inversion is repeated until the large pieces are broken, thus making possible the grinding of blocks harder or larger than what the machine could stand. Results are therefore truly surprising. Indeed, this reversal gives the machine a chance auto crushing beyond his power (which is 10 HP), since it allows to break the piece with several coup attempts and in different positions when it comes to hard or big blocks. Tests have shown breaking of concrete blocks with reinforced steel Ø 18 mm. or slabs of granite 7 ÷ 8 cm. thickness, or very hard stones and other materials unthinkable that it can be crushed, reduced to small pieces.

The electric crushing mill is an alternative to the hydraulic model, and is designed to meet the different needs of users.

The construction of this machine is very strong and needs no maintenance or spare parts for several years!

They can also be deployed in city centre because they do not make noise or dust, thanks to the slow rotation of the two shafts.

Unloading hopper plate can be of solid or perforated steel.

Technical features:

- Electric motor three-phase Volts. 400 Hz 50 - Electrical panel with easy start
- Motor guard
- Crushing area: 490x390 mm
- Loading hopper enlarged 1000x1140 mm
- Discharge hopper adjustable and removable
- Weight 800 Kg – Machine size measurements 780x2200x1500 mm
- Production: 4 to 8 m³ / h
- 4 rubber wheels Ø 280 mm. 2 swivel with brake
- 2 hooks for lifting, 2 handles for transport