

## Mobile Primary Crushing And Screening Plant, DM 6000

Models	Max. Feeding Size (mm)	Capacity (t/h)	Final Size mm ( Adjustment Type )	Motor Power (kW)
DM 6000	600 x 400 mm	20- 80 t/h	0 - 80mm	100 Kw

The DM 6000 primary crushing screening system is all collected in one platform and can be transported by a truck. The DM is specially designed by the R&D group to be installed within a short time. The work that the classical primary crusher can do can be done by itself. At present we are one of the most preferred machines in the world and Turkey market. They are the most suitable crushers for breaking hard materials such as basalt and granite, as well as materials from iron ore, chrome or quartz.

Existing machinery and equipment in the system ;

### \*Vibrating Feeder and Hopper

The feeder system is operating with 2 vibromotors ( Italian Brand Oli ) which leads to low maintenance and trouble-free operations.

The feeder is suitable for feeding with Excavator and Loader and can be feed as well with truck with an additional hopper.

All wear points in the feeder and in the hopper are protected by replaceable wear shields. At the points where wear may occur, wear arms are bolted and can be easily replaced.

The additional hopper can be opened and closed by the hydraulic system. This allows easy assembly and disassembly.

The feeding tray has a screening system. In this screening system there is a zig zag type grill system which can eliminate the large materials easily .

By-pass conveyor allows sifted and thin materials to be stocked in the stock area , or it can send this materials directly to the main band by a clapper groove. Thanks to this clapper groove, the mine can be transported to the stock area without entering the stone crusher, or the main band can be feed. This is a factor that increases the capacity.

### \*DM 6000 JAW CRUSHER

Jaw Crusher : 600 X 400 mm

Crusher Type : Primary

Motor power : 30 kw

There is setting mechanism which leads to easy configuration.

The rotors are specially manufactured and have replaceable wear shields in their wear exposed parts.

### \* Main Conveyor Belt System

It is 650mm wide and is of palette type. Drive drums are rubber coated and threaded. The gear units are 3 transmission type and the new generation is with torque connection system. Side scraper system is available to prevent outflow.

### \* Grizzly Vibrating Screen System

Screen Size : 1300 X 2500 mm

Motor Power : 7,5 KW

Three different sizes of screening.

Special type bearing suitable for vibration.

### \* Under-Sieve Stock Conveyor Belt System

It is 600 mm wide and foldable type. Drive drums are rubber coated and threaded. The gear units are 3 transmission type and the new generation is with torque connection system. A side scraper system is available to prevent spillage of the final product into the stock area during crushing. Foldable with hydraulic piston for easy assembly and disassembly of the system.

### \* Stock Conveyor Belt System

600 mm wide folding type .

Drive drums are rubber coated and threaded.

The gear units are 3 transmission type and the new generation is with torque connection system.

A side scraper system is available to prevent spillage of the final product into the stock area during crushing.

Foldable with hydraulic piston for easy assembly and disassembly of the system.

### \* By-Pass Conveyor Belt System

It is 500 mm wide.

Drive drums are rubber coated and threaded.

The gear units are 3 transmission type and the new generation is with torque connection system.

Foldable with hydraulic piston for easy installation and disassembly of the system

Side scraper system is available to prevent outflow.

### \* Mobile Chassis System

It is equipped with 2 axle, air-operated brake system and signaling system. Special heavy duty construction chassis. There are 6 hydraulic feet mechanisms in the hydraulic system. These feet are strengthened by the fixed feet after they are locked.

Hydraulic Power System thanks to 125 litre, all pistons are controlled by special control system.

### \* Panel and Control System

The material is Siemens branded. The panel system has a remote control system that operates with radio control frequency. In addition, the panel system is specially insulated against dust and water. Although the used panel is insulated against dust and water, DM Machine contains a system that can remove our panel systems from the main scale by about 8 metres.

\* All functions can be controlled with Remote Control (Radio Control System).

- The dust suspension control system prevents dusting by conveying high pressure water to the conveyor to spray the dust.

- Electric Motors IE2 is a highly efficient type.

- Conveyor belt systems EP 125 and EP 160 are suitable for long use with 10 and 14 mm thick cortex.

- Bearings are SKF or equivalent.

Total Motor Power: 80 kw - 100 kw

Maximum Feeding Size: 600 X 400 mm

Ideal Feeding Size: 0-400 mm

Final Size: Can be set to give a final product of 0 – 100 mm or larger.

Capacity is variable according to the material feed and final product dimensions to be broken and it is 50 – 100 ton capacity.

### Additional Standard Features in the System

- Extra hopper for truck feeding.

- By-pass system and By-pass conveyor.

- Dust Suspension Control System.

### Optional Features

- Magnetic Magnet Conveyor Belt (Optional)

- The Generator System is optional and is powered by diesel engines from Cummins, Perkins, Doosan, Deutz and Marelli or Stanford alternators. (Optional)

All of our products are CE certified.

**JAW CRUSHER CLOSED SIDE SETTING CAPACITY (T/H)**

Jaw Crusher	600 X 400
Crusher Closed Side Setting (mm)	Output Capacity (t/h)
20	
25	
30	
40	10 - 20
50	20 - 40
60	30 - 50
70	40 - 55
80	50 - 60
90	55 - 65
100	60 - 75
125	65 - 80
150	
175	
200	
250	

**Why New Generation DM Mobile Crushing and Screening Plants?**

Classical mobile plants need to combine some mobile platforms to become a plant. This means long assembly time for installation which causes to time and labour loss. With our new generation mobile plants, all plant equipments are at only one platform. It can be ready to use in short time. The established plant can be transferred in couple hours. The other benefits are:

- It can be established at small areas with the help of its compact structure.
- Transferring by just one track provides easa of transport.
- It can be started immediately and saves cost of basement thanks to run without fixed with concrete.
- Controlling by only one person provides ease of use.
- New generation crushing plants need minimum maintenance thanks to its latest technology.
- It saves cost of basement and provides low initial investment cost.
- It can operate high gradation ratio process by itself that needs more then one machine to be completed. There are 2 or 3 different types of crushers such as primer, seconder and tertiary. In our system, we have latest technology crusher which is capable of doing alone what the other crushers can be made. Gradation ratio is very high thanks to tough and big tune blocks. There are up to 50 times dilution curve.  
(This option is available for DM 7, 9, 10, 15, 20)
- It can work with both electricity system and generator depends on your request.
- Production cost per ton is %50 more lower.
- New generation mobile systems' energy consume is about 50 to 60 % according to the classical plants.
- One of the biggest advantage ,it has ivariety of aggregates for concrete asphalt plants.(It can produce three types of products).

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