

Mobile Secondary Crushing And Screening Plant Dragon 5000

Models	Max. Feeding Size (mm)	Capacity (t/h)	Final Size mm (Adjustment Type)	Motor Power (kW)
Dragon 5000	0 – 250 mm	200 – 300 t/h	0 - 20 mm	240 Kw

DRAGON 5000 system is all collected in one single platform and can be transported with a truck. The R-D group has designed this series for short term installation . This crushers can easily do the work of classical plants . This machines are the most preferred in Turkish market and the World market .

Existing machinery and equipment in the system ;

DRAGON 5000 HYDRO CONE SYSTEM

Hydro Cone Type : HYDRO 300

Feeding Size : Can be set up depending on the demand

Opening and closing Safety Locked Hydraulic Piston : 2 pieces

Motor power : 200 kw

Conic crusher jaws are 16-18% manganese and chrome alloy.

The adjustment blocks have a hydraulic adjustment mechanism for easy adjustment.

When a material that can not break into the crusher enters, the hydraulic overload prevention device turns on and the crusher elements are protected.

*** Main Conveyor Belt System**

It is 1000mm 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.

*** Vibrating Screen System**

Screen Size :2200 X 5500 mm

Motor Power: 22 kw

Stages : 3 Stairs

Special type bearing suitable for vibration.

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

It is 1000 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**

There are 2 units, 600mm 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.

*** Feedback Conveyor Belt System 1**

It is 600 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.

Side scraper system is available to prevent outflow.

*** Feedback Conveyor Belt System 2**

It is 600 mm 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 available to prevent outflow.

*** 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 3 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, Dragon Machine contains a system that can remove our panel systems from the main scale by about 8 metres.

*** Platforms In this new generation crushing screening system**

There is a platform system to monitor the machine operation on the crusher. There are also private security guards that are used in this platform exit. There is also a two-sided wall and intervention platform around the sifting system, right and left side.

*** PLC Control System PLCs (Programmable Logic Controller)**

Which is one of the most important parts of automation, are used in a variety of brands, but Schneider Electric PLC's are preferred. In terms of production speed and automation of the PLCs, the production has contributed to a great extent. It has been programmed to prevent human errors. This system is used for eliminating the mistakes that occur in the production staff and for smooth operation.

*** 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: 240 kw

Maximum Feeding Size: 250 mm

Ideal Feeding Size: 0-250 mm

Final Size: Can be set to give a final product of 0 - 20 mm or larger. (0 - 5 mm, 5 - 12 mm, 12 - 20 mm, or any other three types of material and also by-pass output)

Capacity is variable according to the material feed and final product dimensions to be broken and it is 200-300 ton capacity.

Additional Standard Features in the System

- Dust Suspension Control System.

Optional Features

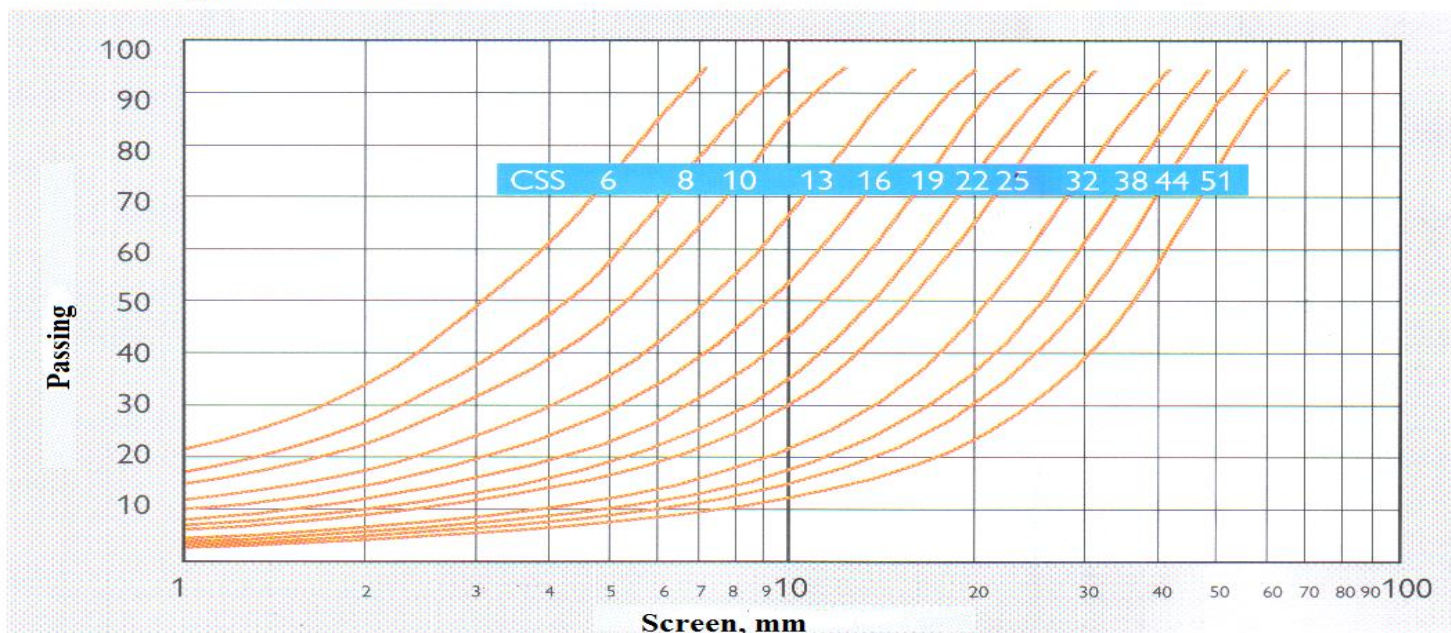
- Magnetic Magnet Conveyor Belt (Optional)

- 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.

Dragon Cone Crusher	16 mm	19 mm	22 mm	25 mm	32 mm	38 mm
Dragon 5000 Cone T/h	155 - 200	165 - 210	175 - 220	185 - 240	210 - 260	230 - 270

Dragon Cone Crusher



****All our products are CE certified by the European Union.**



Why New Generation Dragon 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 Dragon 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 avantage ,it has ivariety of aggregates for concrete asphalt plants.(It can produce three types of products).

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