

## Mobile Secondary Crushing And Screening Plant Dragon 4000

Models	Max. Feeding Size (mm)	Capacity (t/h)	Final Size mm (Adjustment Type )	Motor Power (kW)
Dragon 4000	0 – 300 mm	250 – 375 t/h	0 - 20 mm	300 Kw

DRAGON 4000 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 4000 SECONDARY CRUSHING SYSTEM

Rotor Size: 1200 X 13500 mm

Crusher type: Primary ,Secondary and Tertiary .

Feeding Size: 1300 X 500 mm

Setting Blocks : 2 pieces

Opening and closing Safety Locked Hydraulic Piston : 2 pieces

Motor power: 200 - 250 kw

Rotor pallets are 16-18% manganese and chrome alloy. It is also suitable for two-sided use. Longer wear times can be caught on this count.

The setting blocks are 16-18% manganese and chrome alloy. The adjustment blocks have a hydraulic adjustment mechanism for easy adjustment.

The crusher has 2 long type adjustment blocks for thinning. Thanks to these blocks, the thinning curve is very high.

There are also two lifting pistons for opening and closing the crusher.

The powerful body is unique thanks to its powerful rotor and powerful adjustment blocks.

It is unprecedented with high reduction rates of up to 50 kata.

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

When a material that can not break enters into the crusher , the hydraulic overload prevention system blocks the circuit 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

Decks : 3 Decks

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.

#### \* 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:** 300 kw

**Maximum Feeding Size:** 350 mm

**Ideal Feeding Size:** 0-350 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 250-375 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 4000

Material : Limestone Feeding size : 0 - 300 mm

Rotor Speed : 38 m /sc Adjustment : 25 mm

Capacity : 250 - 375 t/h



#### 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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