

# New Generation Mobile Crushing and Screening Plant Closed Circuit Type Turbo 650

Model	Max. Feeding Size (mm)	Capacity (t/h)	Final Size mm (Adjustment Type)	Motor Power (kW)
Turbo 650	600 x 400 mm	40 – 70 t/h	0 - 20 mm	200 Kw

The soil is taken from by-pass Conveyor. If requested connected to the main conveyor.

The stock conveyors produces 3 different sizes of products with the addition of by pass conveyor stok, it is 4 types of products in a single chasis.

Can also be taken on size depending to customer's demand.

**TURBO 650** - Mobile Closed Circuit Crusher and Screening Plant - New Technology Hard Material Crusher / Basalt, Granite, River Stone, Mining, Limestone.

The **TURBO 650**– Closed circuit crushing 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 .

Dragon Series refers to a crushing /screening closed-circuit plant on one chassis. Offers unsurpassed production of cubical spec products for small, medium, or large jobs.

Produces multiple, cubical spec products with three-deck inclined screen. Returns material retained on the top deck to the impactor for further processing. This crushers can easily do the work of classical plants . This machines are the most preferred in Turkish market and the World market . Turbo series are the most suitable for Hard materials such as basalt , granite etc.... as well as materials from iron ore , quartz and chrome.

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 .

## \*Turbo 650 Jaw Crusher

Maximum Feeding Size : 600 X 400 mm

Crusher type : Primary

Motor power : 55 kw

There is setting mechanism which leads to easy configuration.

The wearing armor is 16-18% manganese and chromium alloy .

## \* Secondary Hydro Cone Crusher (Hard Material Crusher)

Cone Crusher E Bound: 935 mm

Crusher Type: Hydro Cone

Crusher Motor Power: 110 – 132 kw

Conical Breaker Jaws are 16-18% manganese and chrome alloy .

## \* Main Conveyor Belt System

It is 750 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 is available to prevent outflow.

## \* Vibrating Screen System

Screen Size : 1300 X 3500 mm

Vibrating Screen Type : High Capacity

Motor Power : 11 kw

Three different sizes of screening.

Special type bearing suitable for vibration.

## \* Under-Sieve Stock Conveyor Belt System

It is 750 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, 500 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.

## \* Feedback Conveyor Belt System 1

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.

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 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, 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 suppression control system prevents dusting by conveying high pressure water to the conveyor or 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:** 200 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 – 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 sizes to be crushed and it is 40-70 ton capacity .

**Additional Standard Features in the System**

- Extra hopper for truck feeding.
- By-pass system and By-pass conveyor.
- Dust suppression 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 Standard alternators. (Optional)

\*\* Weight: 41 tons

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	

**DRAGON CRUSHER**

• Dragon Crushers Inc.'s line of Dragon 9-10-15-20-25, Turbo 600,650,900,950 portable plants are designed for a wide variety of applications. Though each plant is different, each is the same in fundamental ways: Portability, dependability, durability, competitive capital costs, low cost maintenance and designed to meet customer's needs.

- Portability has been a major concern for customers along with quick setup time. We have accommodated our customers' concerns by making most of our plants portable in one single unit. Since our plants are portable in one piece they use minimal time in set-up and tear-down. To further reduce set-up and tear-down time, all plants come standard with telescoping screw jack legs or optional hydraulic lifting legs for fast set-up and to eliminate the time consuming task of cribbing. We have designed our plants to be able to be placed and running in minimal time providing our customers with reduced set-up costs and increased productivity.
- We have proven the dependability and durability of our plants with years of service in the field. These plants have crushed everything there is to crush and run day-in and day-out and they're still going strong. We constantly look for ways to improve our designs, make our plants better and continue to out last the competition.
- Our plants are designed with the idea that a plant should be easily maintained. We understand the time spent maintaining a plant is time that could be spent producing material. We strive to design our plants to minimize the time needed to do the necessary maintenance.
- Dragon Crushers specializes in design and application – the right product and the right flow plan to accomplish your particular job. Many of our plants are designed around our customer's specifications but we always keep an eye on flexibility. Since our plants are designed with our customer's needs in mind we are able to build a more efficient plant and/or eliminate the need for additional equipment to accomplish the same task.

Rotor pallets 16-18 % manganese, chromium

Setting block Liners 16-18 % manganese, chromium



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