Putsch® GROUP

Beetmaster

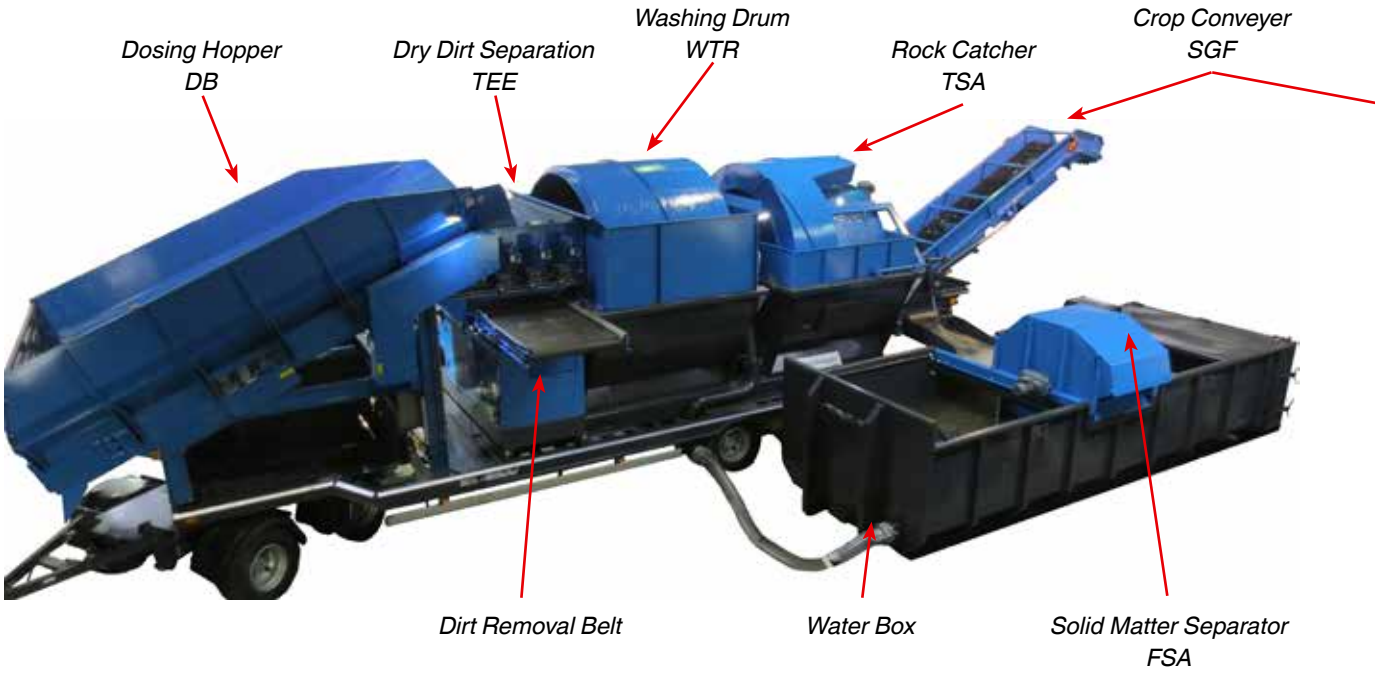
Mobile Beet Processor

- For washing and stone removal

Putsch® GROUP

The Putsch® Beetmaster is known for its outstanding washing and stone removal capabilities. The mobile unit can be attached directly to any type of bio-energy plant.

Putsch® equipment is known for a continuously high production output for sugar beets. The components of the Beetmaster have been implemented in the sugar industry for decades.



Everything needed for an effective beet cleaning system, including a dosing hopper and dry dirt separation is integrated in the compact system design.

Beets are gently washed in the washing drum of the WTR-Series.

With its special star rollers, the dry dirt separation (TEE) serves as the pre-washing device. By removing the loosely attached debris from the beets, the life of the wash water is increased.

Mobility, set-up time, and user friendliness are taken into consideration in the construction of the Beetmaster. All components such as stabilizers, conveyer belts, and chutes are controlled hydraulically by a central control unit.

The brain of the equipment is a PLC control unit, which automatically regulates all functions. The cleaning process is monitored by a camera and shown on a display monitor.

"Create energy with biofuels – don't waste it." This is the motto of the Putsch® Group's Research & Development department.

That is why energy efficient electric motors are used to drive the Beetmaster's components. The built-in diesel generator provides power for the Beetmaster.

The patented rock catcher (TSA) has been successfully used in the sugar industry for years. It provides a true separation of all loose stones and dirt clumps from the beet crop.

Water Collecting Box

Hydraulic Support for Leveling

Rock Discharge

Diesel Generator

Electrical Cabinet with PLC and Camera

The resource of "water" was put to the forefront of the development process. The washing water is used in a closed loop. A water box where the solids can settle keeps the water loop stable for an extended period of time.
Organic materials such as beet chips, weeds, and tops are removed from the water flow with the solid materials separator (FSA).

The crop conveyer (SGF) carries the cleaned beets out of the system. Its height is continuously adjustable with a loading height from 6.5 feet to 14.4 feet.
The conveyer serves also as a drying area, so that the least amount of water is taken out of the water cycle with the beets.

A dirt reduction down to less than 1% on beet with sandy soils and less than 3% on beet with clay soils can be reached.

Technical Data

Type: Beetmaster 01	
Transport Height	~ 156 in
Transport Width	~ 116 in
Transport Length	~ 511 in
Transport Weight	~ 48501 lbs
Washing Drum Ø	~ 102 in
Flume Water Container Volume	~ 22 yd^3
Pumping Power	~ 1000 gpm
Driving Power	~ 51 hp
Electricity Generator Power	64 kW
Processing Power	~ 65 sht/h
Driving Speed	~ 50 mph (approval for road use)

Type: Beetmaster 02	
Transport Height	~ 156 in
Transport Width	~ 116 in
Transport Length	~ 511 in
Transport Weight	~ 52910 lbs
Washing Drum Ø	~ 110 in
Flume Water Container Volume	~ 22 yd^3
Pumping Power	1300 gpm
Driving Power	~ 56 hp
Electricity Generator Power	64 kW
Processing Power	~ 100 sht/h
Driving Speed	~ 50 mph (approval for road use)

In order to better illustrate the technologies used, the machines and installations are partially pictured without the necessary safety systems.
It is explicitly advised, thatall machinery and equipment is only permitted to be operated according to the operating manual.

Machines and installations pictured in this brochure are partially equipped with options available at additional costs.
Description and technical data according to knowledge available at time of printing.

Subject to change.

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