Putsch® GROUP

Beetprocessor

Stationary Beet Processing

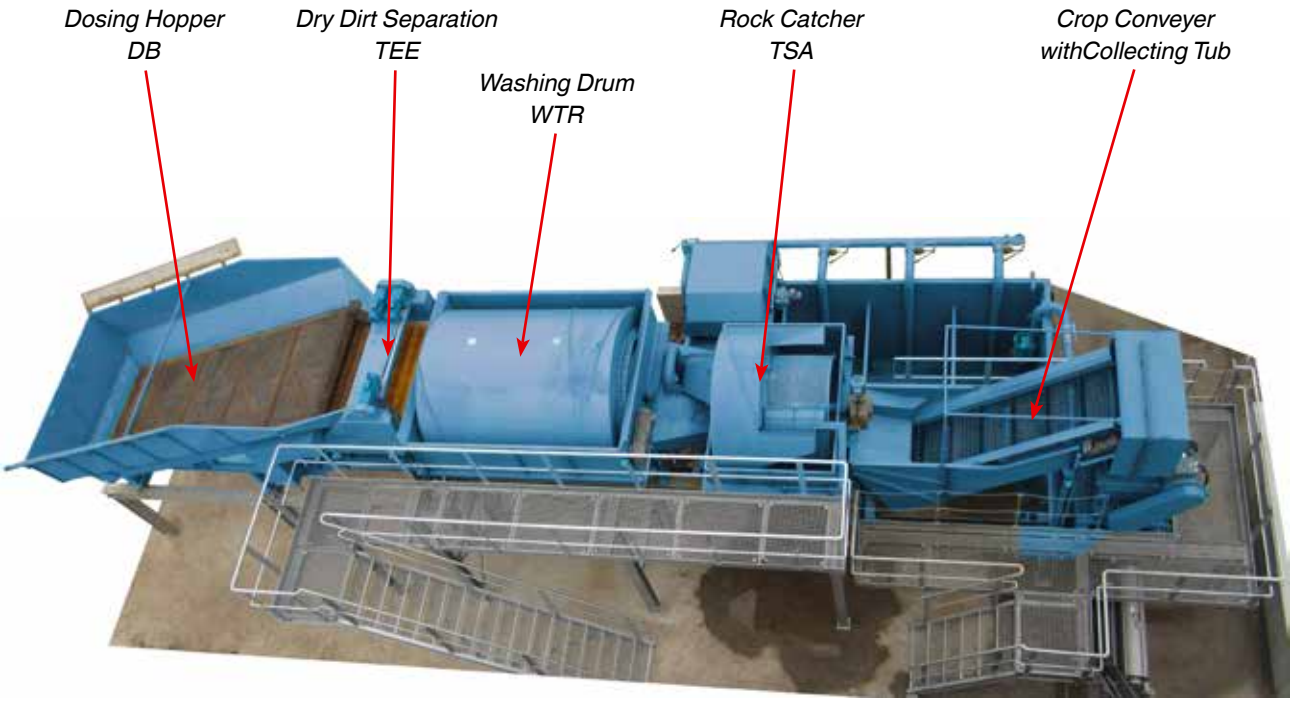
- Washing, Stone Removal, Chipping and Mashing

Putsch® GROUP

The Putsch® Beetprocessor System washes the beets, removes stones, and chips or mashes beets in one step. It is designed for stationary use in a bioenergy plant. High throughput rates ensure an efficient operation.

The system developed by Putsch® has proven itself over decades of use in the sugar industry. The compact system is used for processing beets for bioenergy production.

The components of the Beetprocessor are tailored to the individual requirements of each bioenergy plant.



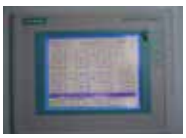
Because of the compact construction, only a small footprint is required.

In the Putsch® Washing Drum, the beets are gently washed. Through this, a clean substrate is fed into the bioenergy plant.

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.

The Beetprocessor System is very user-friendly. All components are easily accessible through the wrap around catwalk for cleaning and maintenance.

The automatic operation of the system can be modified by the user for the individual bioenergy plant with the programmable logic control cabinet.



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.

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.

The crop conveyer (SGF) carries the cleaned beets out of the Beetprocessor. The conveyer also serves as a drip-drying section, so that the least amount of water is taken out of the water cycle with the beets.

Putsch® Beetcrusher RZK series BM

Beet Mash Pump

"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 Beetprocessor's components.
From the beet reception to a pumpable beet mash: everything in a process line!

Water Box

Solid Matter Separator FSA

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.

In order for organic materials, such as leaves and stems, not to reduce the water quality, they are separated from the water cycle with the solid materials separator (FSA).

Technical Data

Beetprocessor Type 2500	
Washing Drum Ø	~ 98 in
Water Box Volume	~ 6600 gallons
Pumping Capacity	~ 1000 gpm
Drive Capacity	~ 51 hp + Beetcrusher
Processing Capacity	max. 65 sht/h

Beetprocessor Type 2750	
Washing Drum Ø	~ 105 in
Water Box Volume	~ 6600 gallons
Pumping Capacity	~ 1300 gpm
Drive Capacity	~ 57 hp + Beetcrusher
Processing Capacity	max. 85 sht/h

Beetprocessor Type 3000	
Washing Drum Ø	~ 118 in
Water Box Volume	~ 8000 gallons
Pumping Capacity	~ 1700 gmp
Driving Capacity	~ 63 hp + Beetcrusher
Processing Capacity	max. 105 sht/h

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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