

STONE AND CLOD SEPARATOR

High-capacity output thanks to advanced sensor technology



- Very accurate
- High capacity
- User-friendly
- Versatile

 **TOLSMA
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ACCURATE AND FAST GRADING

The stone and clod separator can remove stones and clods from a batch of potatoes, onions or other root crops with an accuracy of up to 95%. Because of the advanced sensor technology, a high capacity (10 to 45 tons/hr) can be realised. This machine has definitely made its mark and is unique in the potato processing business. It can be deployed as a stand-alone unit or as part of a processing line.

TG SAMRO 24 / TG SAMRO 44

The TG SAMRO 24 has 24 ejectors and can process up to 15 tons of product per hour. The TG SAMRO 44 has 44 ejectors and has an hourly capacity of 28 tons of product. The star roller sieve unit (available for both models) separates loose soil and smaller lumps, and so guarantees optimum filling of the stone and clod separator.

TG SAMRO 72

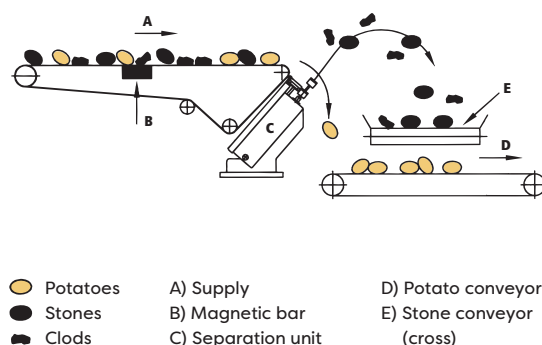
The TG SAMRO 72 was designed to handle larger processing volumes, and with 72 ejectors this machine can separate up to 45 tons of product per hour. Since the machine can be directly connected to a hopper with a soil sieving unit, no additional conveyor belts are necessary.



THIS IS HOW THE STONE AND CLOD SEPARATOR WORKS

The product to be processed is either fed onto the supply belt of the separator by a transport conveyor belt (TG SAMRO 24 and TG SAMRO 44) or directly via a hopper (TG SAMRO 72). From there, the product is transported towards the separation unit. A magnetic bar is fitted underneath the supply belt, which only polarises the clods and stones. Sensors then control pneumatic cylinders which eject the polarised clods and stones. The sensitivity of the sensors to clods and stones can be set separately. The clods and stones are removed by means of a cross conveyor.

Specifications	TG SAMRO 24	TG SAMRO 44	TG SAMRO 72
Capacity	10 - 15 t/hr	18 - 28 t/hr	30 - 45 t/hr
Ejector paths	24	44	72
Working width	85cm	1.5m	2.5m
Dimensions (L x W x H)	4.4 x 1.6 x 1.7m	4.4 x 2.1 x 1.7m	3 x 3.5 x 1.6m
Weight (approximate)	1,100kg	1,700kg	1,600kg
Power supply	3x400 V~, 50 Hz	3x400 V~, 50 Hz	3x400 V~, 50 Hz
Maximum consumption	3.8 kW	3.8 kW	3.8 kW
Air pressure	8-10 bar	8-10 bar	8-10 bar



* Capacity dependent on tuber size.

Subject to changes in construction and implementation and printing errors.



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