

T-SCAN

The image shows a Trützschler T-SCAN spinning machine. It is a tall, white cabinet with a blue interior. The machine has a silver collection cone on the right side. The text 'T-SCAN' is overlaid in large blue letters. The model number 'TS-T5' and the brand name 'TRÜTZSCHLER' are visible on the front panel.

TS-T5 TRÜTZSCHLER

TS-T5

TRÜTZSCHLER SPINNING

For high-quality foreign part separation: **TS-T5**

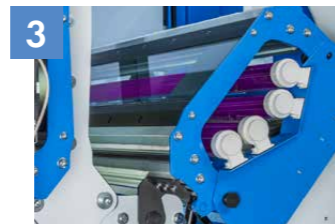
Latest sensor technology detects various foreign parts in your process and ejects them out in a very efficient way. The Trützschler Separator TS-T5 uses embedded image processing technology to automatically optimize foreign part separation.



T-SCAN cameras



Speed sensors



UV-Module



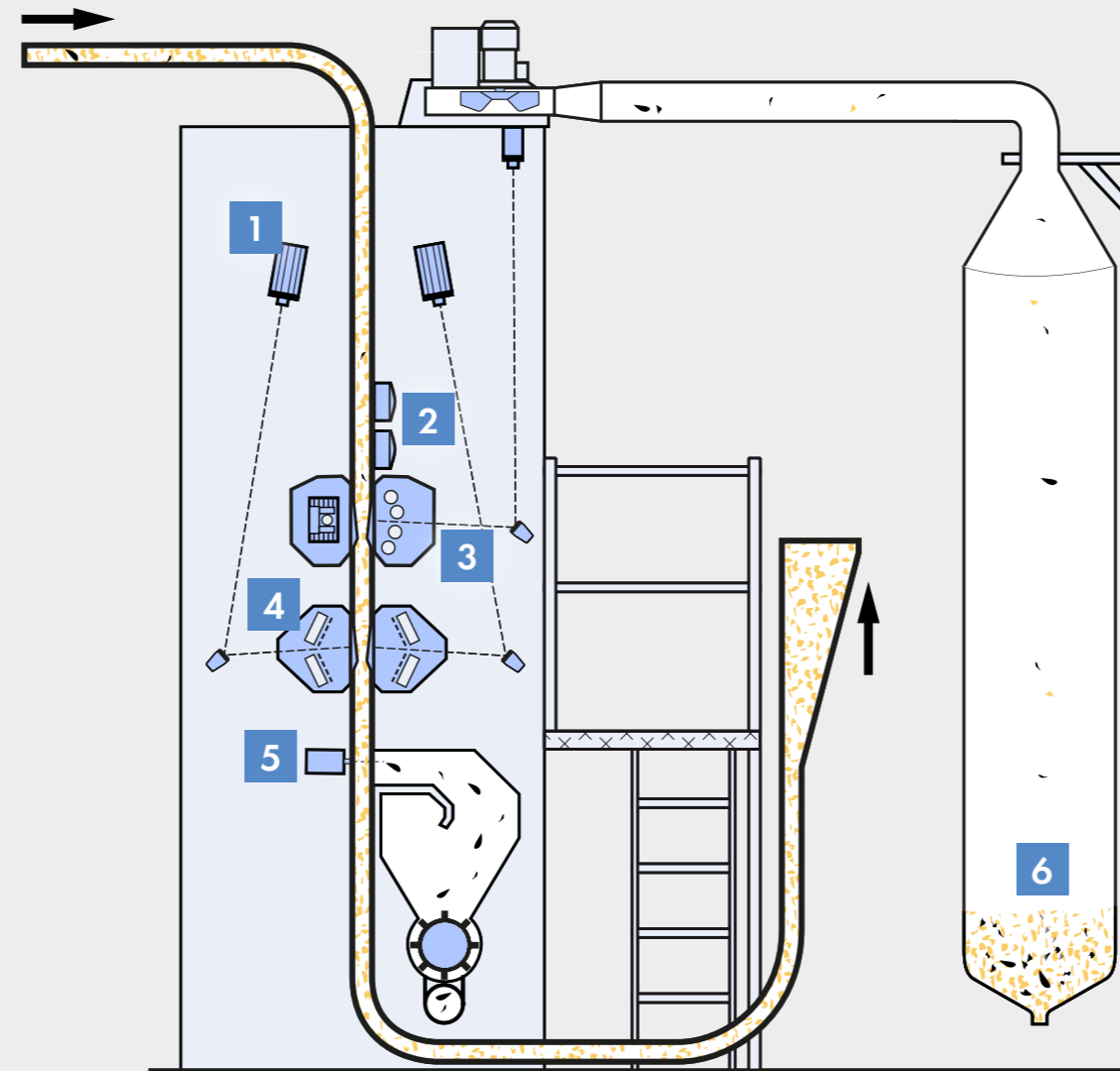
LED-Module



Nozzle beams



Eliminated foreign parts



Material flow and functional principle

Maximum foreign part separation at minimum fiber loss

The machine's controls perform a number of optimization functions, either on request or permanently:

- Balancing white reference value
- Detecting cotton color and color variations
- Monitoring current material speed at all times
- Detecting variations in feeding and making necessary adjustments

Energy efficiency: Requires 80 % less compressed air requirement than other systems

Foreign parts include cotton tufts of different colours, as well as stem parts, leaf fragments and waste. These are all detected by the TS-T5. The machine also optimizes waste prevention to enable high separation rates – boosting safety and quality, while also minimizing fiber

loss. Users can even adapt the separating sensitivity for the specific cotton quality.

Minimum cleaning and maintenance requirements


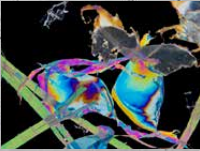
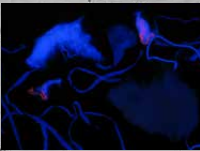

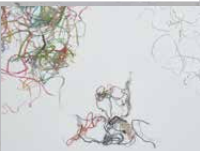
The Trützschler TS-T5 is very effectively sealed against penetration from dust. It requires substantially less cleaning than other systems, with more than 80 % less downtime.

Also available: TS-T3

If low-contrast external parts are not a problem, the TS-T3 is a good choice. It has a similar design to the TS-T5 and includes the following modules:

- F-Module for coloured / dark foreign parts
- P-Module for transparent foreign parts
- UV-Module for fluorescent foreign parts

Facts

Module types	Type of foreign part detection	
F-Module	Colored / dark foreign matter	
P-Module	Transparent foreign matter	
UV-Module	Fluorescent foreign matter	
G-Module	Glossy / shiny foreign matter	
LED-Module	Small / thin foreign matter	

Legal disclaimer:

This brochure has been compiled to the best of our knowledge and in good faith, with the utmost care. However, it may be subject to typing errors or technical changes for which we assume no liability. We provide no guarantee as to the current nature, correctness, completeness or quality of the information provided. The provided data is non-binding.