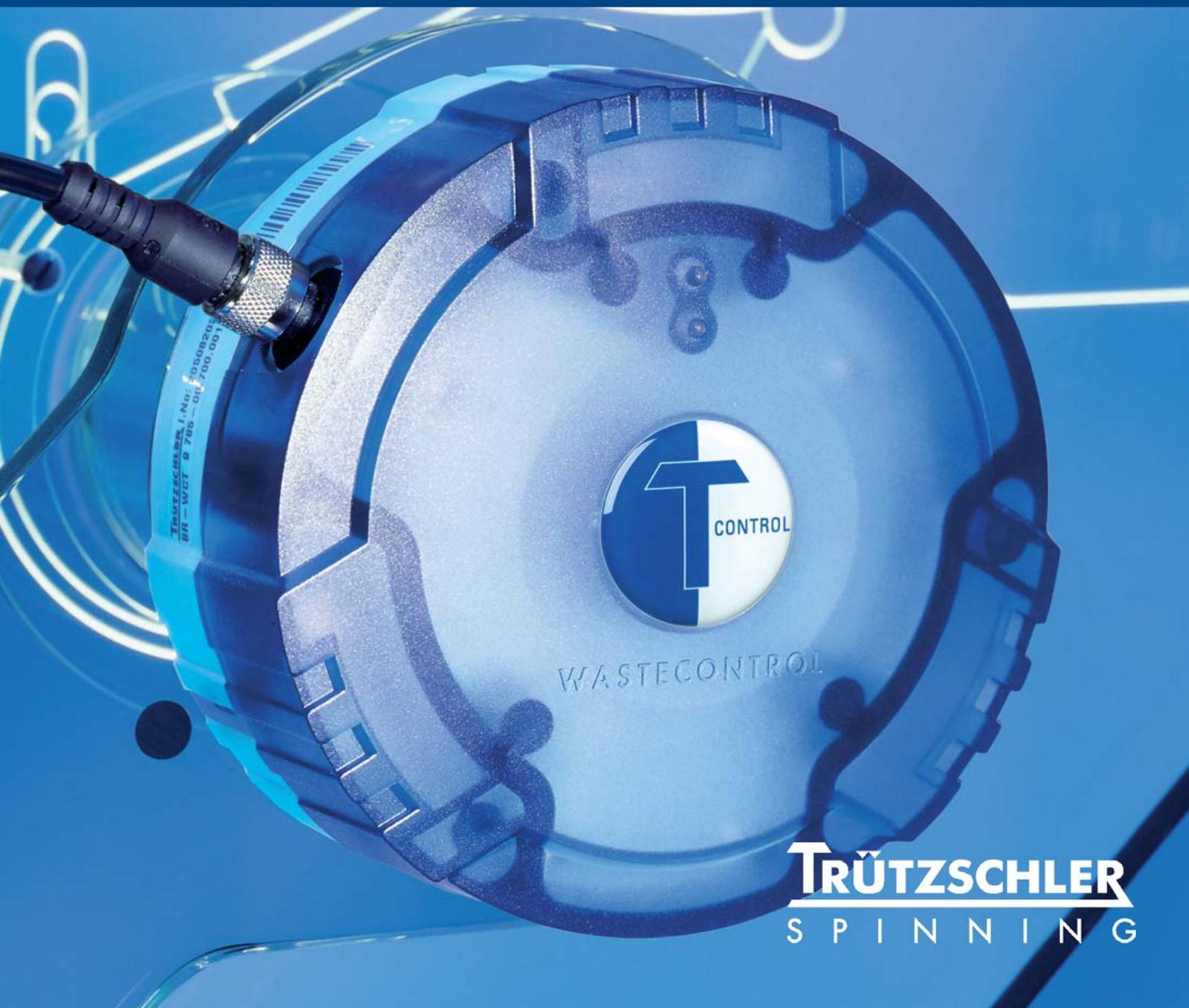


Save raw material with WASTECONTROL



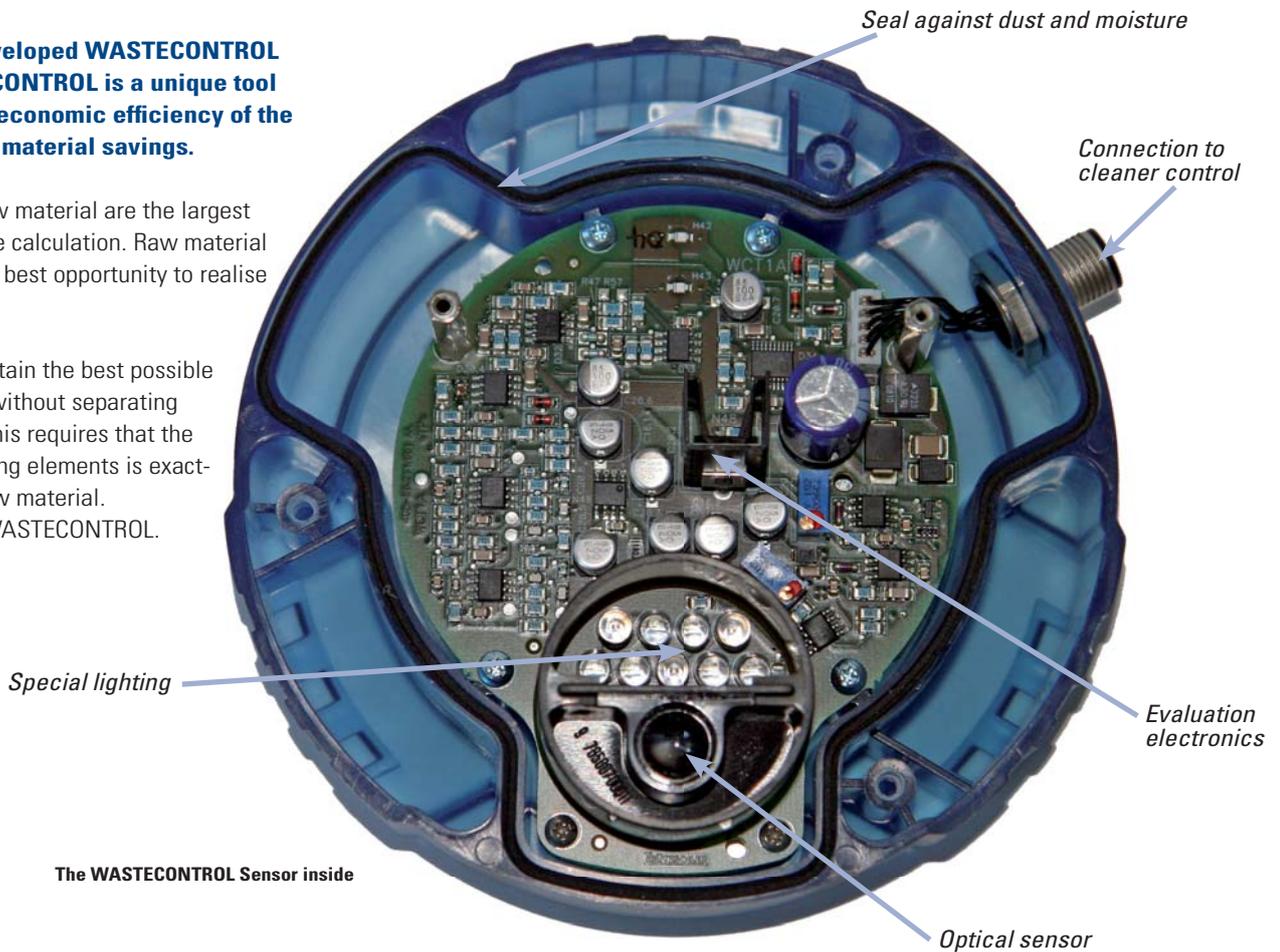
Save raw material with WASTECONTROL

Fibres should be part of the yarn and not of the waste

Therefore, we developed **WASTECONTROL BR-WCT**. **WASTECONTROL** is a unique tool for improving the economic efficiency of the blowroom by raw material savings.

The costs for the raw material are the largest position in yarn price calculation. Raw material savings thus are the best opportunity to realise cost savings.

The cleaner shall obtain the best possible degree of cleaning without separating many good fibres. This requires that the setting of the cleaning elements is exactly adapted to the raw material. This is the task of **WASTECONTROL**.



The **WASTECONTROL** Sensor inside

Without WASTECONTROL



0.49% trash
42.0% trash content

With WASTECONTROL



0.26% trash
69.5% trash content

These photos show the waste of only one single cleaning element. A blend of cottons from Chad and from Uzbekistan was processed. The trash content before the cleaner was 2.4%. The amount of waste was reduced by 47% while the degree of cleaning was increased by 65%.

WASTECONTROL BR-WCT is an optical sensor that determines the composition of the waste. The sensor detects how many fibres and how many trash particles are contained in the waste. The measuring process starts with closed cleaning elements. After that the deflector blades of these elements are slowly opened. In the process, the separation of trash particles increases. Starting from a certain point, however, too many good fibres are extracted. Thus it is obvious that the optimum working point for this raw material and for this cleaning element is just before that point.

Often WASTECONTROL helps to obtain a double benefit:

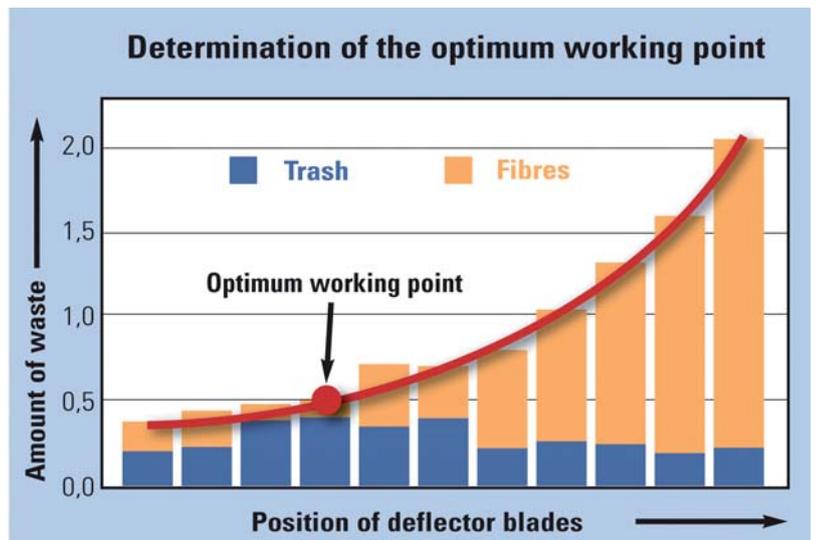
- **Reduction of the absolute amount of waste**
- **Higher degree of cleaning**

Our experience shows that it is easy to save 0.5% or even more waste in the blowroom when using WASTECONTROL.

In addition it is possible to enter specifications for determining the position of the deflector blades into the WASTECONTROL software. The operator may choose between

- **Maximum economy = "Economy"**
- **Maximum quality = "Intensity" and**
- **Standard = "Balance"**

In the standard setting, an approved compromise between economy (amount of waste) and cleaning efficiency (remaining trash content) is made.

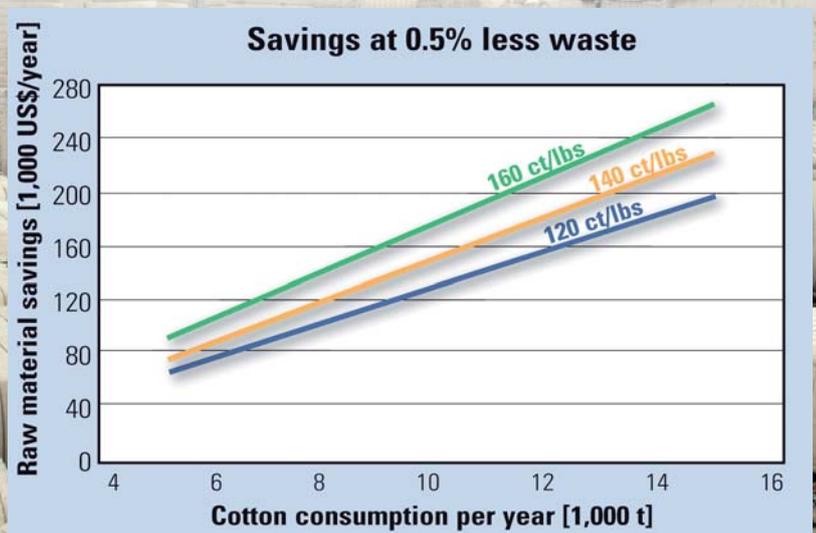


In this example, the deflector blade has to be opened only slightly in order to obtain the maximum amount of trash and thus the maximum degree of cleaning.

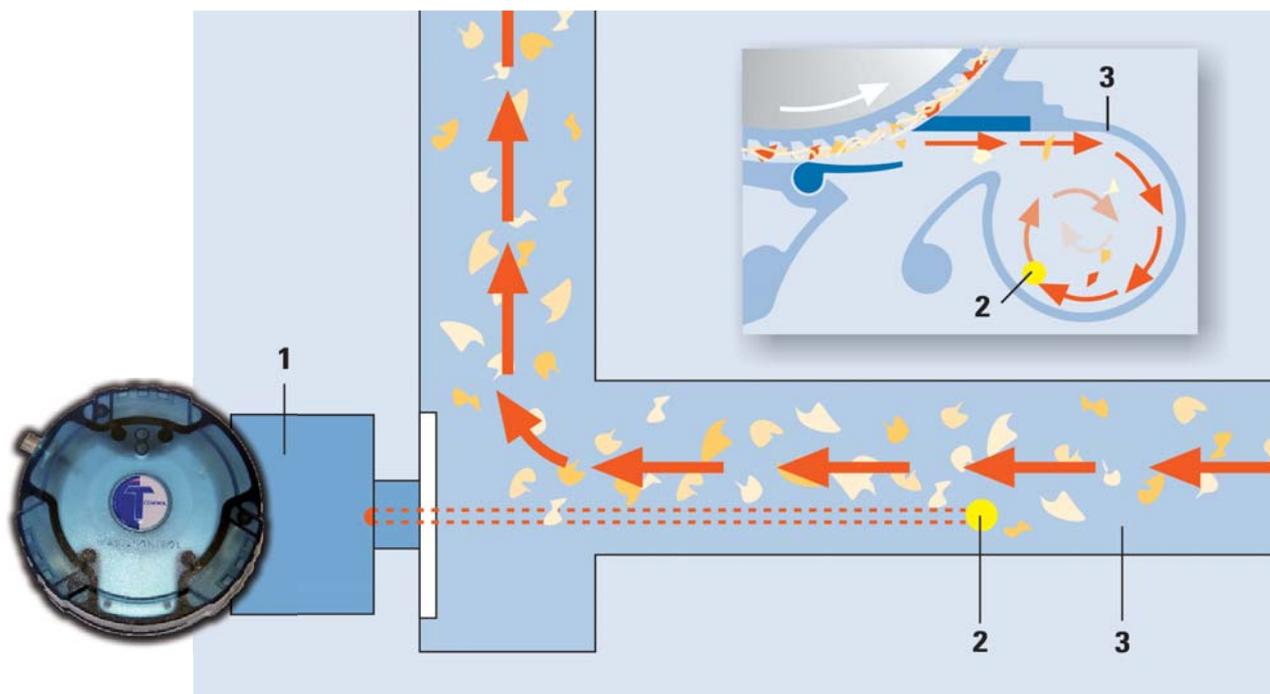


This result was given to us by a Turkish customer. The total amount of waste of the cleaner was reduced by approx. 20%. At the same time, the cleaning efficiency was improved by more than 30%.

For an annual production of 10,000 tons, 0.5% raw material savings mean 50 tons or approx. 200 bales of material saved. Even if the cotton price is low, this means savings of more than 120,000.- US\$ per year.



The sensor (1) of WASTECONTROL analyses the composition of the waste at a reference point (2) in the suction elements (3) of the CLEANOMAT Cleaner. The sensor uses different types of light. Thus it can safely distinguish fibres from trash.



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