



# Quality monitoring of recovered paper

## PTS Paper Bale Sensor



### Quality parameters

- Moisture
- Plastic
- Ash
- Fibre

### Evaluation

- Immediate calculation of quality parameters
- Comparison with threshold values and immediate display of results
- Wireless data transfer to tablet PC or server
- Allocation to supplier data
- Archiving of quality parameters

### Problem

The fluctuating quality of recovered paper is one of the greatest disruptive factors in the preparation of secondary fibre pulp in paper mills. The ash content, the content of tacky contaminants (stickies) and the deinkability of graphic papers vary depending on the composition of the recovered paper.

A fluctuating ash content, for example, influences the strength of the finished paper product. Excessively high bale moisture means losses in purchasing. Charges with unusable materials cause recycling costs, massive losses in quality and reduce equipment availability.

### Solution

An immediate check of the recovered paper quality in the receiving area makes it possible to react promptly by lodging a complaint or by reducing the value of the delivery.

The PTS Paper Bale Sensor provides the necessary information regarding recovered paper quality. If the bales contain high-quality, homogeneous paper, its surface is checked. If the bales contain mixed paper, a lance probe allows the interior of the bale to be inspected.

# PTS Paper Bale Sensor: Quality monitoring of recovered paper

## Technical data

### Basic unit

- Evaluation in the NIR range
- Dimensions: 900 x 90 x 40 mm
- Weight: 2.5 kg
- Power supply with battery packs or AC adaptor
- IP65

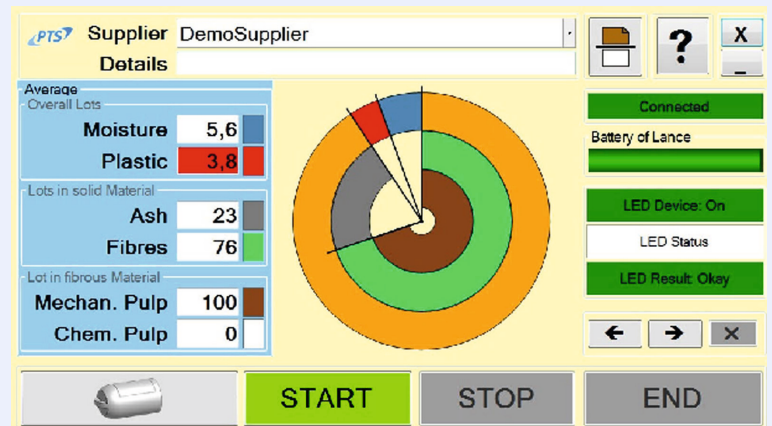
### Lance - used for the interior of bales

Ø 20 mm, length 40 cm



Simple user interface

PBS base unit



Numerical display of quality parameters on PC



PBS-Tablet

## Papiertechnische Stiftung (PTS)

Pirnaer Straße 37 · 01809 Heidenau

P +49 3529 551 - 60

E info@ptspaper.de

[www.ptspaper.com](http://www.ptspaper.com)

### Contact person

Jörg Hempel

P +49 3529 551-659

M +49 172 8695459

E joerg.hempel@ptspaper.de

