



Empty Bobbin Detection System

Optical sensors for scanning empty bobbin

Expertise, Customer Driven, Service – in Good Hands with NIEHOFF



Empty Bobbin Detection System

Design:

- for use on braiding machines up to 36 bobbins
- contactless optical scanning of the bobbin barrel
- visible red light spot simplifies calibration
- suitable for all bobbin formats and all bobbin colours

Increase in quality:

- reduction of wire wastage on the spool by up to 50 %
- reduction of braiding defects caused by loose wire ends at the end of the bobbin pay-off
- minimization of faults during the extrusion process
- increased quality of the end product



Increase in productivity:

- machine stop when the barrel of the bobbin is identified
- reduction of wire wastage through infinitely variable adjustment of the number of rotor turns to standstill
- wire break detection with automatic machine shutdown

Energy and cost efficiency:

- optical sensing of wire, textiles and plastics
- also suitable for yarns on cardboard bobbins
- independent of the color of the model bobbin

Options:

- suitable for retrofitting on existing machines
- separate modified control interface for retrofitting braiding machines (other than NIEHOFF)



We reserve the right to modify technical specifications according to technical improvement and advances. 04.2014