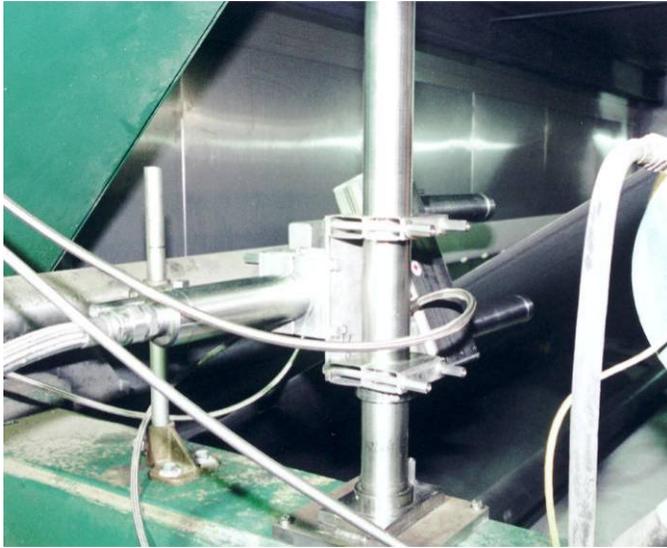


esko Es-Trac 2000 Infrared Edge Tracking System

Designed to improve run-time, product quality and substantially increase fabric life.



Applications

Originally, these systems were developed for the pulp and paper, and converting plants. They can also be used on machines for the production of photographic film, Kevlar, fibre-glass roofing material and any device requiring edge tracking control.

The Es-Trac 2000 edge tracking system is one of the most advanced non-contacting measuring and guiding systems for felts and fabrics. It can be placed into any part of the machine, even where extreme heat and humidity demand special requirements for measurement.

Double your felt life

Features

- No moving or wearing parts
- No electrical components in process area
- Simple and easy to install and use
- Non-Contact measurement using pulsed infrared light
- All stainless construction
- The Es-Trac measuring system requires minimal cleaning. The continuous air purge and water spray keep the fiber optic lenses clean for proper operation.

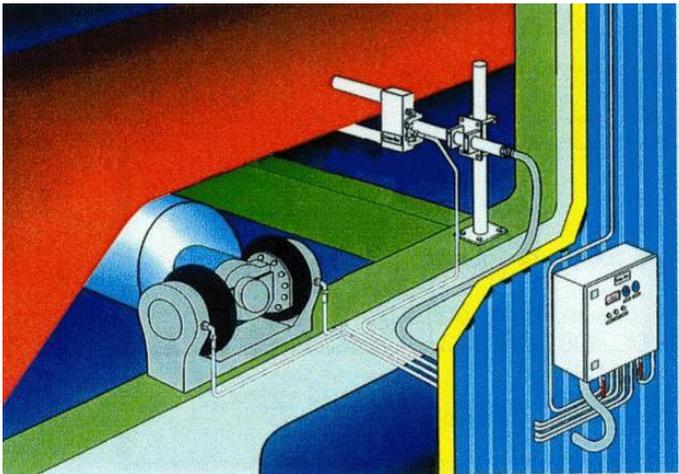
Benefits

- Improves run time
- Increases lifetime of fabric
- Eliminates wear and tear of edge
- Minimizes cross machine movement of fabric. Through the 4..20 mA output the system can be adapted directly to any roll guiding system as well as to the machine control room to provide continuous information on the fabric's cross machine position.
- The Es-Trac 2000 system is specifically designed for harsh industrial environments. It includes a minimal amount of components. This results in extremely low system maintenance.

Technical Specifications

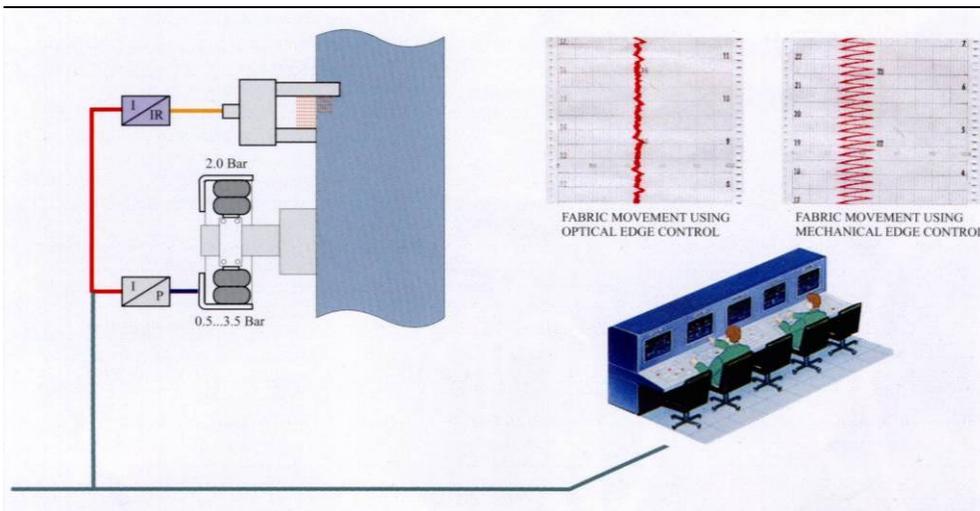
Measurement	Modulated infrared light, frequency 5 kHz
Measuring range	50mm, 100mm or 150mm
Accuracy	< 1 mm
Output signal	4..20 mA, pneumatic signal 8..52 psi
Operating voltage	24 VDC, 100...240 VAC
Material	Stainless steel AISI 304
Max. temperature	Measuring fork: 320°F (160°C) Control box: 122°F (50°C)

Control fabric on both wet end and dryer sections



Operating Principle

The Es-Trac 2000 infra-red guiding system consists of a SS 316 measuring fork mounted on the machine frame and connected to a control cabinet outside of the machine hood. A pair of protected fibre-optic cables connects the measuring fork to the control cabinet. Through a 4..20 mA DC signal developed by the infra-red amplifier in the cabinet, control of the existing guide roll actuator can be achieved. Adapting to a pneumatic, hydraulic or electrical actuator is then made quite simple.



The fabric position may be trended on a DCS or strip chart recorder via an isolated signal. A standard feature also allows the use of the existing pneumatic guide paddle as a back-up unit.

Cleanliness of the fork sensors is maintained by a continuous air purge internally through the fork from the control cabinet.

Manufacturer

Distributor

esko PACIFIC SALES LTD.

Canada: 3480 Gardner Court, Burnaby, BC V5G 3K4

USA: PO Box 5547, Bellingham WA 98227-5547

Toll free: 1-800-665-3756 (ESKO)

Fax: 604-294-3727

Email: info@eskopacific.com

Internet: www.eskopacific.com