

# PACEmatic Steel Belt Tracking Systems



At PACE, we understand the critical role precision plays in your industrial processes. Introducing our Automatic Steel Belt Tracking PACEmatic© System. This technologically advanced solution for belt tracking relies on horizontal adjustment of the deflection drum position. The deflection drum is automatically brought to the perfect position to keep belt tension constant and ensure straight belt tracking. Should an incorrect belt tracking line arise, the system immediately corrects its position, ensuring a longer belt lifetime.

## KEY FEATURES

- 1 **Advanced Tracking Technology:** PACEmatic© Automatic Steel Belt Tracking Systems are equipped with state-of-the-art technology, ensuring real-time adjustments to keep your steel belt perfectly aligned. Say goodbye to manual corrections and hello to uninterrupted productivity.
- 2 **Adaptive Intelligence:** Our systems utilise adaptive intelligence to continuously monitor and analyse the steel belt's position. This allows for immediate, automated corrections, ensuring optimal alignment even in dynamic manufacturing environments.
- 3 **Customisable Configurations:** Tailor the tracking system to your unique requirements. The PACEmatic© offers customisable configurations to suit various industry applications, providing the flexibility needed to meet your specific tracking challenges.
- 4 **Easy Integration:** Seamless integration with your existing conveyor systems is a priority. The PACEmatic© systems are designed for easy installation, minimising downtime during implementation.
- 5 **Maintenance Alerts:** Stay ahead of potential issues with our system's proactive maintenance alerts. Receive timely notifications about required adjustments, preventing unexpected disruptions, and extending the lifespan of your equipment.
- 6 **Energy-Efficient Operation:** PACE is committed to sustainability. Our tracking systems are engineered for energy efficiency, contributing to cost savings and environmental responsibility.



# BENEFITS

- Exact drum adjustment using position feedback.
- Continuous control and monitoring of position and belt tension.
- Compensation of belt tension during heating and cooling phases.
- Real-time display of the most important data. (positions of belt and drum, pneumatic pressure)
- Continuous tracking.
- Electrical interfaces.



## WHY CHOOSE PACE STEEL BELT SYSTEMS

- PACE Steel Belt Systems has a proven track record in delivering industrial solutions that redefine efficiency and reliability. Our Automatic Steel Belt Tracking Systems represent a leap forward in intelligent manufacturing.
- Experience the next level of precision with PACE's Automatic Steel Belt Tracking Systems – Where Innovation Meets Accuracy!
- Contact us today for a personalised consultation and take the first step towards a seamlessly aligned future in industrial production.

## OPERATION

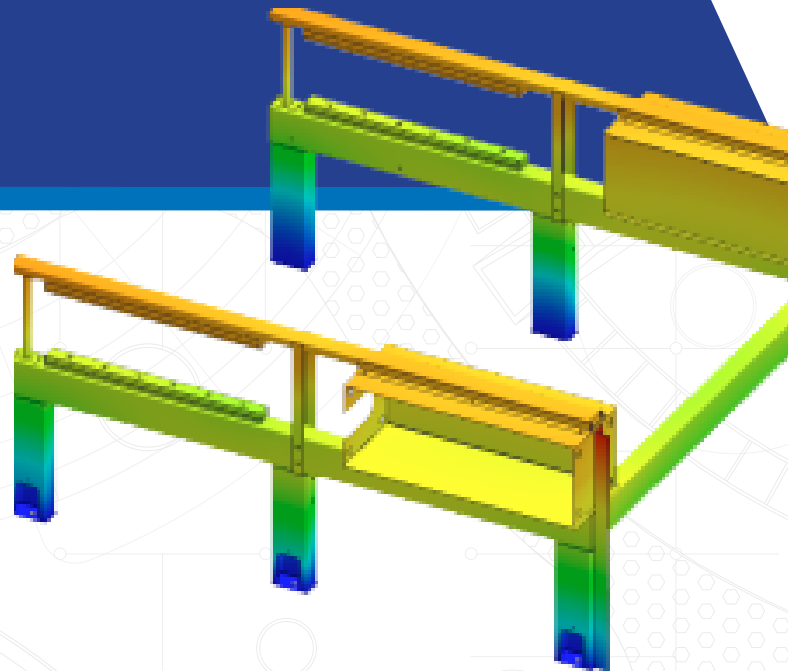
The PACEmatic system is an electropneumatic control system running through highly developed programming software via PLC and HMI units.

The system is equipped with sensitive and highly accurate linear transducers placed strategically along the steel belt which detects the exact position and alignment of the belt in real time.

All data collected is then continuously analysed by our control software which interprets the information and converts it to a pneumatic value adjusting the main tensioning cylinders accordingly making automatic adjustments which steers the terminal end drum pivoting on a central axis. These adjustments bring the steel belt back into a central or pre-set position within the oven.

Our most advanced system incorporates adaptive control algorithms. These algorithms can learn and adapt to changing conditions ensuring effective tracking even in dynamic manufacturing environments where factors like load variations and product laydown may affect belt alignment.

If required, remote access and monitoring of any installed PACEmatic's can be offered and provided.



01384 898237



[sales@pace-berndorf.co.uk](mailto:sales@pace-berndorf.co.uk)  
[www.pace-berndorf.co.uk](http://www.pace-berndorf.co.uk)



Unit 2, College Farm, Six Ashes Road,  
Six Ashes, Shropshire, WV15 6EL