

Extruder & Blown Film Line Alignment

The proper alignment of your production machinery is a critical factor in maintaining optimum equipment performance and high product quality. Within a blown film line there are several areas where the misalignment of your equipment can cause significant increases in scrap and machinery wear. The precision alignment of your extruder barrel, screw, die, nip rolls, film rolls, winders and Flexo presses can greatly increase productivity, reduce waste and extend the life of your equipment.

Extruder Alignment. The misalignment of your extruder barrel and screw can be caused by a number of factors including maintenance procedures, barrel and gear box/motor installations and machinery conversions and upgrades.

Using highly accurate optical and laser instruments and tooling designed specifically for extruders, OASIS Alignment Services will perform in depth inspections to identify misaligned components that can be responsible for such problems as:

- Abnormal Screw Wear
- Screw Friction
- Bore Damage
- Improper Screw-to-Barrel Seal
- Increased Scrap and Poor Product Quality
- Decreased Throughput



OASIS Alignment Set-Up - Magnetic Spindle Mirror for establishing reference at back end of Reducer Output



OASIS Optical Instrument Set-Up with Die End target in barrel mouth. Instrument is bucked-in to Spindle Mirror.

Benefits of Extruder Alignment

- Increased Screw Life
- Increased Barrel Life
- Optimal Screw-to-Barrel Seal
- Reduced Scrap
- Improved Product Quality
- Reduced Maintenance Costs
- Reduced Downtime
- **Fast ROI**

Blown Film Line Alignment - Die, Rolls, Winders & Flexo Presses. Precision alignment of all other Blown Film Line production equipment can be essential to producing the quality of film customers demand.

Misalignment of the die with the tower can cause the film to shrink or stretch in multiple directions causing non uniform product quality. If the rolls in any given section are out of alignment, the result could be wrinkled edges, slower production rates and downtime. Misalignment of the rolls in the Flexo presses can cause mis-registration and blurred images.

For more information contact us at:

(800) 344-4056

Email us at sales@oasisalignment.com or Visit our website at www.oasisalignment.com

With offices located across North America, OASIS can be there where you need us, when you need us—on call 24 hours a day, 365 days a year.

Benefits of Blown Film Line Alignment

- Reduced Scrap
- Improved Product Quality
- Improved Print Registration
- Increased Productivity
- Reduced Downtime
- Reduced Maintenance Costs
- **Fast ROI**

Our Capabilities. In addition to our alignment services, OASIS has expanded its offerings to include extensive mechanical services, providing our customers with complete service from diagnostics to alignment adjustment to equipment maintenance, rebuilds and installs.

- Optical Alignment
- Mechanical Adjustments
- Preventative Maintenance
- Project Management
- Component Rebuild & Upgrade Support



OASIS Specialized Optical Tool Set for Extruders and Film Lines.



Setting the Standards in Precision Alignment

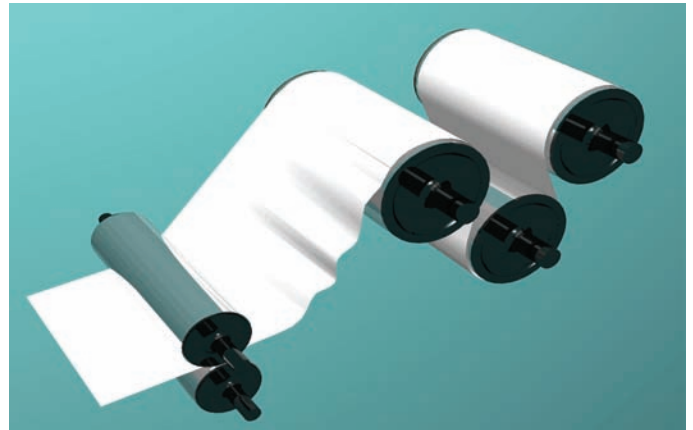
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Roll misalignment can cause the film to stretch and wrinkled edges to be formed.

The OASIS Advantage. OASIS is the recognized industry leader in the precision alignment of large rotating production equipment. Using optical and laser instrumentation, OASIS engineers have performed more than 20,000 successful alignment projects since 1982 and have set the industry standards in:

- Optical inspection and alignment procedures
- Technical reports
- Baselines and monuments
- Mobile machine shops and tool cribs
- Specialized tooling

The OASIS Report.

Every OASIS service call is documented in a report that provides a complete evaluation of the inspection or alignment work



performed. These reports are an effective tool for planning future alignment and maintenance needs and for documenting machine conditions.

For a free copy of a sample technical report, call:

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