

# RETROFLEX

custom-designed equipment



**UNWINDS & REWINDS**



RETROFLEX custom designs unwinds and rewinds to fit your particular applications. These units can be simple single position, single spindle units or turret type systems complete with automated splicing and transfer capabilities.

RETROFLEX unwinds and rewinds can be designed to handle a variety of substrates from very light film to heavy board. The units can be designed to run at virtually any speed the application requires. They can also be designed to accommodate a wide range of web widths, roll diameters and core sizes. Unwinds can be center braked as well as center or surface driven. Rewinds can be designed as center or surface driven or a combination of both. Precise tension control is achieved with either a dancer or tension roll system.



Unwinds and rewinds can be designed to work with your existing equipment or they can be part of a new machine line. RETROFLEX can custom design single spindle units, turrets, phantom axis systems and floor loading systems. These can be shaft type or shaftless. Unwinds and rewinds are also available in cantilevered designs to suit narrow

web or light weight applications. Depending on your splice or transfer requirements, RETROFLEX also offers accumulators to operate in-line with unwinds and rewinds.

Give us your substrate, tension, speed, roll diameter and core sizes as well as basic configuration required and we can provide you with a preliminary quotation. If you have additional requirements, we can custom design them for you. Whether your needs are simple or sophisticated, RETROFLEX can design an unwind and rewind to fit your application.



Guards, shields and safety devices removed for illustration purposes only; do not operate without these items in place and functioning.

## RETROFLEX Unwinds & Rewinds

### Typical Unwind Features

- Shaft type models include safety chucks for fast, easy and tool free core shaft changes.
- Disk type brakes can be dancer or transducer roll regulated for precise tension control.
- Auto side shifting of the entire unwind for web guiding is available. The unit can be mounted to precision linear slides and is shifted via a single edge guide and electro-mechanical guiding system. Separate pivoting style web guides are also available.
- Shaft type models include pneumatic core shafts for fast core changes.
- Unwinds can be center braked, center driven or surface driven.

### Typical Rewind Features

- Shaft type models include safety chucks for fast, easy and tool free core shaft changes.
- Shaft type models include pneumatic core shafts for fast roll changes.
- Slitter systems are custom designed to suit your needs.
- Variable bow spreader rolls are available for web separation after slitting. These rolls can be driven if required.
- Pneumatically loaded lay-on rolls are available.
- Driven pull roll sections are available to suit your needs.
- Rewinds can be center or surface driven or a combination of both.

Every feature in a RETROFLEX unwind and rewind, as well as other RETROFLEX designed equipment, is engineered to provide the highest level of quality, reliability and performance regardless of your application.

RETROFLEX custom-designs equipment to meet your specific needs. We can help you with the preliminary concepts, engineering design, and complete manufacturing, installation and training. Call RETROFLEX regarding your unwinding and rewinding needs. Also, feel free to visit our website for additional information.

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