STRENGTHS

Roll-to-Roll slitter/rewinders is one of HCI's major products, to be used in flexible packaging, paper, label stock and optical thin films industry. More than 3,500 units sold worldwide since established. Based on the design and manufacturing experience, HCI developed a series of slitting machine with different configurations and flexible web path availability. From the unwinder type, cutters, tension controller to differential ring width are all available for customer to build up a slitter which most meets his requirement.

FSL-TX
800mm Rewind OD Slitter Rewinder

800 Rewind Slitter Rewinder has been purposely designed for large rewinding OD requirement, for slitting product OD as large as 800mm and line speed up to 400m/min. Solid shaft-less unwind stand design for roll weights over 1 ton; shortest web path design, all cutter set ups can be completed at the front of the machine. With all new rewinding shaft technology, it is suitable for slitting and rewinding of all kind of film roll of uneven thickness.

### Unwind Web Guiding Device for Web Alignment
- CCD protocol for printing line and edge.
- Lateral movement up to +/- 75 mm.

### Unwind Tension Control
- Pneumatically controlled disc brake provides highly accurate web tension.
- Loadcell provides feedback of web tension.
- Magnetic powder brake or motor driven unwind are available.

### Main Drive & Rewind Tension Control
- Three individual motors control the main drive, upper and lower rewind shafts separately.
- Rewind tension auto control by differential rings with programing calculation system, keeps the tension stable at varies speed and product OD.

### PLC & HMI Control System
- Color touch screen with graphical-user interface.
- Rewinding tension control mode: Torque / Speed / Torque+Speed.
- Machine auto stop by achieving pre-set rewind OD or length.
- Alarm / auto stop setting for master roll running out or web broken.
- Rewind shaft reverse winding function.
- Memory for parameter setting recipes.

### Other Humanization Design
- Pneumatic rewinding lay-on roller pressure control system.
- Laser beam core positioning.
- Finished roll pusher.
- Tunct type unloading tree.

### Shaftless Unwind Stand
- Light tight unwind frame can move together or separately and with pneumatic clamping function.
- With hydraulic system lifting from floor level to working position, fixing height type also available.
- Additional remote controller on unwind side for major setting.

### Dual Slitting Knife System
- Equipped with razor groove blade and shear knifes for interchange.
- Vacuum trim removal system, simple to operate and the suction is sufficient to pull a broken core trim.
- Upgraded slitting air knives system (option), equipped with interchangeable pneumatic upper circular knives holder and razor blade holder, matched with segment type of multiple grooved bottom knife blocks which fixed by the inflation shafts fixing system.

### Flexibility and Modularity
- Capable of adding inspection / splice table.
- Capable of adding stroboscope.

### Mechanical Speed (m/min) | Unwind Web Width (mm) | Unwind Inner Diameter (mm) | Max. Unwind Diameter (mm) | Guider Movement (mm) | Min. slit width (mm) | Max. Rewind Diameter (mm)
---|---|---|---|---|---|---
1300 | 320-1300 | 76 / 3” or (152/6” Optimal) | 1000 | +/- 75 | 50 | 800
1600 | 620-1600

The Practical Solution to Your Converting Needs

www.hci.cc