The Practical Solution to Your Converting Needs
Established in 1982, HCI is a specialist in the design and manufacture of a full range of Roll-to-Roll and Roll-to-Sheet converting equipment for flexible packaging and optoelectronics industry. From single machine such as Slitting Machine, Rewinding Machine, Laminating Machine, Bag Making Machine to whole plant equipment, HCI always provides customers with the most practical solution with competitive price.

Based on 30 years machinery technology and perfect after-sales service, HCI serves customers worldwide with excellent reputation. Each HCI machine is subject to rigorous quality inspection and performance tests before shipment to ensure the best possible performance. HCI is the symbol of dependable quality.

Symbol of Dependable Quality
The Practical Solution to Your Converting Needs

HCI Advantages and Competitiveness

- 30 years of manufacturing experience, providing professional technical solution.
- More than 3,500 units of slitter/rewinders installed worldwide.
- Efficient after-sales service team with thousands spare parts stock can provide rapid respond to customer’s maintenance requirements.
- Full range of products line can provides turn-key solution of lamination, inspection, slitting and sheeting process.
- Various options can be combined to create a machine which most fits customer’s needs.
- High quality at competitive price, machine be designed with a practical performance, stable and durable quality.
- Set up well appointed parts division with machine tool including CNC Lathes, Milling machine, etc. to manufacture machined parts, holding the core technology.
- With professional R&D team, integrated 3D mechanism design with control system for customized project.
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 functional options 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 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 400mm/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
- LED photobeam for printing line and edge
- Lateral movement up to ±25 mm

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

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 rewound OD or length
- Alarm / auto start setting for master roll running out or web broken
- Rewinding shaft reverse winding function
- Memory for parameter setting function

Other Humanization Design
- Pneumatic rewinding feed roller pressure control system
- Laser beam core positioning
- Finished roll pusher
- Turret type unloading type

Flexibility and Modularity
- Capable of adding inspection / splice table
- Capable of adding inspection / splice table

Shaftless Unwind Stand
- Lightweight unwind frame can move together or separately and with pneumatics clamping function
- With hydraulic tension lifting from floor level to working position, fixing height type also available
- Additional rear cone roller on unwind side for major setting

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

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 programming calculation system, keeps the tension stable at various speed and product OD.

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### SLITTING SERIES

**FSL-T**  
SUPERIOR TYPE

- The most popular model, designed for slitting all types of flexible packaging film, optical film, and paper. The HCI FSL-T is a universal Slitter Rewinder on the market.
- Unwinding and rewinding on the opposite side, with comfortable operation space.
- Three motor driving system, rewinding direction changeable.
- Both unwinding and rewinding tension control, detects the real COG and adjust the tension automatically.
- Shaftless unwind stand with pneumatic damping, quick system for uploading by one operator.
- Web guiding device detects printing line or edge to ensure web alignment.
- Coad slitting system, core or groove roller & shear knive. Sturdy cover for cutting zone.

**FSL-KA**  
PRACTICAL TYPE

- Unwinding and rewinding on the same side, easy accessibility to setting operations by its compact design.
- Four motors driving system, shortened web path design for tension sensitive film jobs.
- Shaftless & pneumatic Chuck unwind stand. The left and right unwind stand are independently driven by motors, new design for correcting bad-edge master roll.
- Lower knife shaft is designed by cantilever type, no need to remove whole knife shaft for changing knives.

**FSL-KT**  
INTEGRATION TYPE

- Razor groove by segment block design can be installed together with lower shear knife for quick change.
- Pneumatic control lay-on roller, large OD with counterweight cylinder system to lower the feed bearing pressure for different material.
- PLC with HMI control panel to provide accuracy and stable tension.
- Color touch screen with graphical user interface. Memory for parameter setting recipes including film thickness, initial OD and unwind/rewind tension, etc.

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### Specifications

<table>
<thead>
<tr>
<th></th>
<th>FSL-T</th>
<th>FSL-KA</th>
<th>FSL-KT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwind web width (mm)</td>
<td>1300, 1800, 2000</td>
<td>800, 1300, 1600</td>
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<td>Mechanical speed (rpm)</td>
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<td>Unwind inner diameter (mm)</td>
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<td>Max. unwind diameter (mm)</td>
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<td>Guide movement (mm)</td>
<td>+/- 50</td>
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<td>Min. slit width (mm)</td>
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<td>Max. rewind diameter (mm)</td>
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<td>500</td>
<td>450</td>
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</tbody>
</table>

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# SLITTING SERIES

## FSL-TO
Optical Film Slitting Machine

- Specially designed for slitting a variety of optical film such as diaphragm film, backlit film, press film, brightness enhancement film, reflection film and all kinds of PET mono-layer and multi-layer film for TFT LCD production.
- Offers precise film guiding and automatic tension regulation in each unit roll. The design of the knife is suitable for use in clean room environments.
- Four motors controlled system. Unwind, unwind and unwind are all equipped with AC motor, more accurate tension control and better product quality.
- Shaft-less unwind stand with pneumatic chuck offers efficient material feeding. The maximum load of the unwind stand can reach up to 1000 kg.

## FSL-BT
Surface Winding Type Slitter

- Dual slitting system with replaceable knives to meet the slitting needs of different types of material.
- Doubly-stained sticky roller device: It is a stick and transfer system. The sticky roller and sticky paper roll could be raised or lowered, controlled by the independent air cylinder. The transfer sticky paper roll is held in place by air shaft and makes turning and replacing easy.
- 6" unwind arm shaft lift-out design with safety clutch to avoid the production loss of the shaft and offer a more convenient and safer roll unloading.
- PLC programmable logic control system, with color LCD/HMI touch screen and memory function to save all the process parameters. It also provides the functions of material run out alarm, material break auto stop and length reach auto stop.

## FSL-J
Narrow Width Slitter

- Over 1,400 units sold, various options can be combined.
- Unwinding and rewinding on the same side, easy accessibility to winding operations.
- Equipped floating unwind stand with standard specification, various of separate unwind stand are also available.

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>FSL-TO</th>
<th>FSL-K</th>
<th>FSL-BT</th>
<th>FSL-J</th>
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<tbody>
<tr>
<td>Unwinded width (mm)</td>
<td>1600, 2000, 2200</td>
<td>1800, 1300, 1600, 1800</td>
<td>1000, 1300, 1600, 1800</td>
<td>600, 800</td>
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<td>200</td>
<td>100</td>
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<td>Unwinding inner diameter (mm)</td>
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<td>Max. unwind diameter (mm)</td>
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<tr>
<td>Binder movement (mm)</td>
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<tr>
<td>Min. slit width (mm)</td>
<td>100</td>
<td>50</td>
<td>20</td>
<td>5</td>
</tr>
<tr>
<td>Max. rewound diameter (mm)</td>
<td>400</td>
<td>450</td>
<td>500</td>
<td>270</td>
</tr>
</tbody>
</table>

- Web tension controlled by power brake (unwound) and clutch (rewound), easy to access operation.
- Continuous rewinding shaft with friction ring ensures quick changeover stability.

The transmission mechanism is specially designed to ensure stable operation and perfect edge smoothness.

## FSL-K
STANDARD TYPE

## FSL-J
Narrow Width Slitter

- For narrow web slitting of all kinds of high-grade film paper, cellophane, plastic film and aluminum foil. Especially suitable for positive and negative rolls of conditioner and electrolysis paper.
- By surface winding shafts to ensure products edge alignment.
- The rollers are tightly arranged to decrease tolerance of cross and longitudinal winding of material to lower cross-section winding-stickiness.

- The winding and feeding motions are driven by a universal satellite gear transmission. The speed can be easily adjusted to accommodate tension difference caused by the changing diameter of the winding material.
- Rewinding shafts quick changeover design to save up time of each winding job, shaft nose can be customized upon request.
- Minimum slit width can narrow to 5mm (option).

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SLITTING SERIES

FSL-D
Small Roll Slitter

- This machine is ideal for slitting large parent rolls into small bubble rolls for the applications of POF, ATM, cash register, tobacco, etc. thermal paper, fax, lottery, medical report and various office use paper rolls.
- Sheet thickness suitable for paper roll slitting.
- Lift-out type rewinders suitable for quick changeover, shaft size upon request.
- Using a patented magnetic powder type surface grinding design allowing product tensions to be easily adjusted according to material type. It also minimizes wear on the driving rubber roll.
- End roll winding device for removinig the user to change the roll when the warning mark appears.
- Various options such as pneumatic controlled foil-on roller, products discharging table and paper auto insertion device are available.

FSH
Heating Side Sealing Slitter

- Suitable for the slitting and side-sealing process of HDPET, LDPE, PP and CPP, both from sheet form and tube form, also for regular slitting process for flexible packaging application.
- Dual slitting knife system - razor blades and heating knives.
- Equipped with electrical rewinder knives, once power is on, the knives are instantly heated to the normal working temperature for immediate operation.
- Pneumatic controlled heating knives supplied to ensure sealing quality.
- The century (swing out) rewind and unwind shafts can be easily handled by a single operator.
- V-shaped for converting web form sheet to tube form (option).
- Upgrade to electric heating knife system, each knife can be set and displayed separately by using PLC controller to have excellently sealed quality. Suitable for multi-reg products and the material needs precise sealing temperature.

REWINDING SERIES

FSR-2
Reversible Rewinding Machine

- Continually with shortest web path compact design, for correction of the edge alignment and tension of slit roll.
- Both unwind and rewind equipped with servo motor for precise tension control. The winding direction can be changed any time with forward/reverse jogging functions.
- Flat frame web guiding system to keep web material properly aligned during processing, convert the NG roll to pass QC.
- PLC & HMI touch control system with rewind tension Manual / Auto mode, web running out and pre-set length Auto stop. Auto reverse to memory point functions.
- Various width and options are available.
- Clamping roller device suitable for stretch and tension sensitive film.
- Splice table with microscope for print inspection and quality control.
- Razor cutter for trimming process.

FSE-2
Reversible Rewinding & Doctoring Machine

- Inspection of printing or lamination defects, also for re-rewinding operation of slit rolls with uneven edge or tension.
- Both unwind and rewind equipped with servo motor for precise tension control. The winding direction can be changed any time with forward/reverse jogging functions.
- Equipped with a slitting knife unwinding stand and self-guiding system keeps products edge alignment, rewind slit roll with pneumatic controlled lay-on roller, different width roll can be executed without changing lay-on roller width which makes easy and rapid job changes in operation.
- Equipped with inspection board and microscope for visual checking.
- 100% cens of inspection and labeling device are available (option), instead of visual inspection by human eyes to get zero-defect finish products.
- PLC & HMI touch control system with rewind tension Manual / Auto mode, web running out and pre-set length Auto stop. Auto reverse to memory point functions.
- Detects area memory and auto reverse function, operator can reverse the roll to detected point immediately or reverse it till whole roll rewinding completed.
- Optional razor cutter for trimming process.

<table>
<thead>
<tr>
<th>FSL-D</th>
<th>FSH</th>
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<tbody>
<tr>
<td>Unwound web width (mm)</td>
<td>900, 800, 1000</td>
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<tr>
<td>Machinized speed (m/min)</td>
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<tr>
<td>Unwound inner diameter (mm)</td>
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<td>Max. unwind diameter (mm)</td>
<td>600 (1000 Optional)</td>
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<tr>
<td>Guide roller movement (mm)</td>
<td>+/- 50</td>
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<tr>
<td>Min. slit width (mm)</td>
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<tr>
<td>Max. unwind diameter (mm)</td>
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<thead>
<tr>
<th>FSR-2</th>
<th>FSE-2</th>
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</thead>
<tbody>
<tr>
<td>Unwound width (mm)</td>
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<td>Machinized speed (m/min)</td>
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<tr>
<td>Max. unwind diameter (mm)</td>
<td>600</td>
</tr>
<tr>
<td>Reversible</td>
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</tr>
</tbody>
</table>
FSE
Rewinding & Doctoring Machine

- Single winding direction, entry level rewinding/inspection machine.
- Equipped with air shaft unwind stand and web guiding system keeps products edge alignment.
- Two pieces of large OD rubber roller for main drive to prevent the scratches occurred.
- A magnetic powder type clutch ensures the correct tension for different materials.
- Equipped with inspection board and fluorescent lamps for visual checking.
- Equipped with defective material winder which can wind the waste web onto directly.

FSP-250
Re-reeling & Doctoring Machine

- Designed for shrink sleeves unwinding and painting inspection, it is indispensable process prior to automatic label inserting machine.
- Centrifugal unwound and rewound shafts, for 3” and 5” core or coreless winder are available.
- Motor driven rewinder with tension auto-control system keeps the tension constantly.
- EPC web guider be located on rewind side to ensure the product edge alignment.
- Various options such as inflation wearing check, stroboscope, perforation, rewound oscillation, etc are available.

FSR-600
Rewinding Machine

- Unwound and rewound on the same side, easy to access rewinding operation for correction of misedge or uneven tension.
- The centrifugally (swing out) unwind and unwind shafts can be easily handled by a single operator.
- Equipped with tension adjustment plus guided web guiding system to turn the defective rolls into qualified products.
- Load-cell type of auto-tension controller keeps the rewinding tension constantly.
- Rewind tension control mechanism which can vary with rewind diameter to maintain the same winding angle. This mechanism can improve the rewinding quality greatly.
- PLC with INN control system, touch screen for parameter memory and auto stop at pre-set length.

FDE-600
Aluminum Foil Rewinding Machine

- Designed for rewinding and distributing big rolls of aluminum foil into small ones.
- Flavering type unwind stand, single operator is required to operate the machine.
- Auto rewinding shafts exchanging mechanism provide the nonstop production.
- Flexible accommodation of paper cores in various diameters.
- Equipped with sector counter which can stop the machine automatically when preset length reached.

<table>
<thead>
<tr>
<th>FSE</th>
<th>FSR-600</th>
<th>FSP-250</th>
<th>FDE-600</th>
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<tr>
<td>Max. rewind diameter (mm)</td>
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<td>Max. rewind length 20m</td>
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<tr>
<td>Reversible</td>
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LAMINATING SERIES

FLM-WET

Wet Laminating Machine

Application
Suitable for laminating all types of paper, film, and aluminum foil, such as cigarette box wrapping, laser and cake boxes, etc.

The major difference from dry laminating is wet laminating has the 1st web laminates to the 2nd web right after adhesive coated and passing through the dryer together.

- The motor speed and tension are synchronized in motion which improves laminating quality and stability.
- Steel coating roller incorporated with pneumatic rubber roller assures extremely uniform coating thickness and surface smoothness.
- Glue tank with pneumatic second descent device.
- Four zones and straight dryer provides superior drying performance. All the aluminum rollers in the dryer are driven by chain preventing from material scapped.
- Equipped with PLC temperature controllers and waste gas exhausted disposal system.
- Equipped pivot frame web guiding system providing the most accurate control of product edge alignment.
- Surface winding structure keeps the proper tension to laminated products without excess offhaze.
- With PLC & HMI control system, the operation parameters such as unwind tension, rewind tension, temperature, speed are set digitally. Machine auto stop function in the case of ending out or break. All values testing and displaying are clear for ease of operation.

- Patent roll width (mm): 1000, 1200
- Mechanical speed (m/min): 150
- Max. patent roll diameter (mm): Paper - 1150 mm, Al. foil - 600 mm
- Max. adhesive coated laminating roll diameter (mm): 1000
- Coating method: Rubber roller

FLM-DRY

Dry Laminating Machine

Application
The FLM Dry Laminating Machine is specially designed for roll laminating operations of flexible packaging materials such as OPP/PET/PET/PE, IML, Paper, Aluminum foil, and a variety of multi-layer films as well as performing surface treatment.

- Thermal oil heating system
- Electric heating system
- Gas heating system
- Gas heating system + double sided coating

- Tension problems during the laminating process are eliminated by use of the micro location off set via driving roller control systems, which allow for bias 0 mm to laminate with other various films. It provides the most stable tension even the material has passed through the dryer and been affected by the temperature.

- The synchronized motion of the laminating and gluing devices is of a non-shaft design which fully eliminates accumulated tolerances and improve the ease of movement of both semi- and fully-automated products during operation.

- Motor roll and laminated roll auto changing is achieved by realized roller rotation mechanism. Improve the laminating and continuous production efficiency.

- Glue moud coating roller incorporated with micro rotating doctor blade assures extremely uniform coating thickness and surface smoothness.

- Coating section also equipped with LCD touch screen. It is convenient for machine pro-run settings such as glue adjustment, hot men temperature setting, doctor blade movement and glue moud coating roller cleaning.

- Different options of drying: Electric heating or Thermal oil or Gas heating or Electric + Gas (hybrid) systems.

- Optional dryer upon request, such as the 5th (additional) drying section or double layer dryer, also can have extra coating section for double-sided or double-layer coating.

- Patent roll width (mm): 1000, 1300
- Mechanical speed (m/min): 150
- Max. patent roll diameter (mm): 600
- Coating method: Gravure mesh rotary type

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STRENGTHS

The bag making process is concerned with several of technology to produce bags from roll form material, which including continuously feeding web tension control, intermittent feeding web tension control, forming mechanism, add-on equipment, temperature and pressure of longitudinal / transverse sealing and cooling section, cutting length control and conveyor system. More than 1,000 units sold worldwide since established. Based on the design and manufacturing experience, HCI has excellent design and integration ability. HCIs pouch machine with the benefits of accurate products dimension, high sealing strength, quick changeover, minimize the waste on re-start operation, high speed production and durable machine structure.

FTSC-V
Servo In Line Three Side Seal Bag/Stand-up Pouch/Zipper Pouch/Four Side Seal Bag Making Machine

Suitable for sealable co-extrusion films, multi-layer films such as laminates of Polyester, BOPP and CPP. This machine is ideal for the production of 3-side sealing bags, stand-up pouches, bottom gusseted stand-up pouches, zipper bags, combined stand-up/zipper pouches, four side seal bag.

<table>
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<tr>
<th>FTSC-V500-3</th>
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<td>Max. unwind diameter (mm)</td>
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<tr>
<td>Length of product (mm)</td>
<td>35-500</td>
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<tr>
<td>Width of product (mm)</td>
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<tr>
<td>Feeding speed (mm/min)</td>
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</table>
BAG MAKING SERIES

FKSC-V
Servo in Line Center Seal Bag/Four Side Seal Bag/Gusset Bag Making Machine

- Main drive and material feeding by servo motor providing the constant sealing time even cutting speed varied.
- The outer transmission mechanism structure is simple, durable and easy to maintenance.
- Horizontal unwind stand and with swing out or til out 7" air shaft.
- Equipped with ESC web guiding system which ensures the accuracy of the position of printing design after forming and bag making.
- Unwind stand (gearing device), only 3 pieces of rail guides are required to finish all sizes of bagging.
- Equipped with middle gusset forming unit, for side gusset forming, covering and pre-folded flaps to enhance the stability of forming and gusseting.

FSC-V603-2
Medical Sterilization Pouch/Reel Making Machine

- Designed for producing pouches and reels for pharmaceutical industries such as Heat Seal Pouches, Self Seal Pouches, PFS / Gusset Sterilization Reels.
- Twin shafts unwind stand suitable for paper and plastic film, two layers of different materials unwinding.
- Main drive by servo motor driven and heat sealing time can be varied according to pouch material type. Sealing temperature does not require adjustment, while the machine mechanical speed changed.
- Sealing mechanism utilizes external drive system which is simple and easy to maintain and to keep.
- Sealing embossing device utilizes compact cylinder delivering wall balance of air mild pressure to the top and bottom sealing molds, keeping material deformation within 0.1mm during sealing process, delivering stronger seal and seal bond.
- Sealing temperatures can be customized to utilize 4-8 independent temperature controllers according to customer's requirement. Every set of temperature controller comprises of heaters, thermocouples and PICO thermal controller. Each temperatures controller will independently control each zone.
- Using heat distribution technique, temperature on each embossing plate is kept within +/-0.5°C, ensuring zero seal defect.
- Customized sealing mold pattern with track type die-casting for easy changing of embossing sealing mold to meet different order.
- New inline products partition and trimming design allows sheet less changing or rolling width changing without removing knife shaft, greatly reduce the changeover time improve the production efficiency.
- Different functional options such as gusset bag making, tapping and perforation devices, water coating device, conveyor, single or twin shaft rewinders, etc are all available for customer to build up a medical pouch making machine which most meets his requirement.

<table>
<thead>
<tr>
<th>Material width (mm)</th>
<th>200-1650</th>
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<td>Bag length (mm)</td>
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<td>Bag width (mm)</td>
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<td>200-600</td>
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<tr>
<td>Max. feeding speed (mm/min)</td>
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</tr>
</tbody>
</table>
BAG MAKING SERIES

**FSC-303-1**
Economical Center Folding Zipper Bag Making Machine

- Designed for producing long lane of zipper bags, quick change-over, minimum waste, it’s the best solution for short run orders.
- Equipped with automatic folding device, can be upgraded to horizontal unwind.
- The AC motor driven with down roller and for auto speed varied and assumes that the most stable web feeding even under high speed operation.
- Equipped with advanced feeding, sealing and cooling devices with HCL zipper guiding and cooling plates to improve the stability of the sealing position of zipper and the cooling circulation system can prevent the zipper pouch being overheated.

<table>
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<tr>
<th>FSC-303-1</th>
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<tr>
<td>Mechanical speed (baug/min)</td>
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<td>Material diameter (mm)</td>
<td>500</td>
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<tr>
<td>Bag length (mm)</td>
<td>80-300</td>
</tr>
</tbody>
</table>

**FK/FSC-350**
Economical Center Sealing Bag/Three Side Seal Bag Making Machine

- Designed for producing light duty pouches, by its simplified structure and shortest web path, most suitable for thick materials, heat-sealable (KOP) material.
- With different options can produce various types of bags such as single side sealed bag, center sealed with gusset bag, four side sealed bag, two side sealed bag, three side sealed bags.
- Equipped with gusset and forming device, such one set of center sealing, bottom sealing and cooling position, quick changeover.
- Equipped with semi-automatic bending device which can prevent the material from overheating or broken when machine stopped.
- With the use of optional feeding by unwind stand unwinding device or a second set on unwind stand, three side seal bag can be easily produced, diversifying your production capabilities.
- Microcomputer control system with touch screen for operation parameter input including auto counting, accumulative recording, auto-stop function for photosensitive, skip seal, etc.

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SHRINK SLEEVE SERIES

FP-250
High Speed Glue Sealing Machine

- Cantilevered unwind/rewind shaft with heavy-duty frame to ensure high speed operation.
- Both unwind and rewinding cameras provide the accuracy shrink sleeve seeing position, optional rewinding expansion device can facilitate the rewinding area on rewinding.
- Equipped with electronic type tension controller to ensure extremely stable rewinding tension without adjustment when speed and diameter varied.
- Pneumatic-type forming plates can be combined for producing any width over 50mm sleeves, which greatly bring down the tooling costs in production.

FSP-250-2
Re-Reeling & Doctoring Machine

- Cantilevered unwind air shaft for quick change over, the roll diameter can reach to 700mm with 2 different web path for inspection of printing defects or weaving quality.
- Both unwind and rewound by motor drives, allow the winding direction changed during operation. 
- Operator-controlled tension controller to ensure the unwinding tension is stable.
- Equipped with web guiding system (forward direction) creates an extremely next edge, and also can have side ultrasonic sensor upgrading to O/F control guiding and BFC corona function.

FK | FK PVC
Center Sealing/Glue Sealing Machine

- This machine is designed for the production of poly bags (center sealing) or shrink label (laminating), together with FSC series rewinding/banding machines to complete the production.
- Simplified design, easy to operate and maintain, it’s the most economy entry level equipment for producing poly bags or shrink labels.
- Swing out type unwind air shaft, Single operator is required to manipulate and load the parent roll, combination paper core or five-core centerless winder upon request.

FSC-201
High Speed Cutting Machine

- This cutting machine is suited for perforating and cutting operaions for various shrink labels or electronic material and optical films.
- Equipped with perfectly adjustable device which can easily adjust the pressure and position.
- Various cutting edge for flat label and special jaw for cap seal are available, together with conveyer can set the accumulation stacking and moving distance.
- Micro-Computer Control System with complete operation functions like auto counting, accummulate recording, auto-stop function for photodetector, etc.
- Optional continuous perforation and products rewind function are available for machine function expanded.

<table>
<thead>
<tr>
<th>Material width (mm)</th>
<th>FP-250</th>
<th>FK</th>
<th>FK PVC</th>
<th>FSP-250-2</th>
<th>FSC-201</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-500</td>
<td>100-500</td>
<td>50-250</td>
<td>50-250</td>
<td>30-200</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical speed (m/min) | 0-200 | 0-60 (FK PVC = 150) | 0-200 | 0-3500-3500 (FK PVC) | 0-500 |
Max. material diameter (mm) | 500 | 400 | 700 | 700 |
Tube width (mm) | 55-250 | 25-250 | 50-250 | 30-200 |
Max. rewind diameter (mm) | 700 | 700 | 700 | 700 |
Paper core inner diameter (mm) | 70 / 3” or as on request |
RELATED EQUIPMENT

FSC-G
Rigid Film Flatten & Sheeting Machine

- Designed to flatten and slice various kinds of plastic and paper. Maximum thickness of materials can reach 3mm.
- Equipped with 3 heating drums. Flatten films can be nearly flattened and smoothed on both sides evenly.
- Equips an automatic theme-controlled heating oil circulation system. High heating efficiency with uniform temperature distribution.
- Numerically controlled stepping motor provides very accurate positioning and cutting, and reduces errors to a minimum.

Material width (mm) 1000, 1200, 1500
Mechanical speed (pcs/min) 10-40
Max. unwound diameter (mm) 600
Cutting Length (mm) 1-9999

FEM
Aluminum Foil & Paper Embossing Machine

- Designed for surface embossing process of aluminum-plated paper, metalized film, aluminum foil to be used on beer labels, tobacco packaging, envelopes and packaging boxes, etc. to upgrade outlook effect and product quality level.
- Equipped with banana roller and adjustable aluminum roller to facilitate web parallel without wrinkles.
- Upper shaft embossing roller is hydraulically operated, with micro-adjustment for accurate embossing gap to have clear pattern and consistent grain depth.
- Lower backing roller can be polymer roller or wool paper roller depends on the embossing pattern.
- By using single shaft surface winding, consistent tension and edge alignment control to reduce products damage and highly improve production efficiency.

Material width (mm) 800, 1000, 1200
Max. unwound diameter (mm) 1000
Paper core inner diameter (mm) 76 / 3"
Rewinding type Surface winding
Mechanical speed (mm/min) 0-150

TRIM WINDING SERIES

FDS-450
For pouch machine (Single winder)
Max. Speed: 100 m/min
FDS-450-2
For pouch machine (Twin winder)
Max. Speed: 100 m/min
FDS-V500
For slitter (Single winder)
Max. Speed: 500 m/min

PAPER CORE CUTTING SERIES

FPT-500
Manual type
Cutting length: 20 - 450 mm
FPT-1300
Manual type
Cutting length: 5 - 1000 mm
FPT-1400A
Semi-Auto
Cutting length: 10 - 1400 mm

HOT NEEDLE PERFORATION DEVICE

CONTINUOUS PUNCHING DEVICE

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More Information