

Retrofit Units for Diaper Machines

Phoenix Machinery Hygiene Converting Division manufactures and retrofits Diaper Machines with the following equipments:

Low Waste Back Ears Unit (BEU)

Diaper Low Waste Back Ears (BEU) is a unit for forming, cutting and placing shaped back ears. BEU is a servo driven low waste system developed to guarantee high-speed performance up to 600 cuts/min.

The new generation of SIEMENS drives has been introduced to guarantee high flexibility and easy job change between different sizes through the operator panel and minor mechanical adjustments.

- Up to 600 cuts/min
- Stretch raw material width from 140 to 180 mm
- Cutting length from 75 to 90 mm
- Diaper chassis width from 240 to 260 mm

Frontal Tape Cut & Place (FTCP)

Frontal Tape Cut and Place (FTCP) is a unit for pulling, gluing, cutting and placing the frontal tape.

- Up to 600 cuts/min
- Frontal tape width up to 240 mm
- Diaper chassis width up to 380 mm
- Independent servo driven system
- Raw material unwinding with automatic splicing system
- Safe feeding system
- Torque limiting device with phase shifting unit (optional)
- Hot melt system (optional)

Refastenable Tape Cut & Place (RTCP)

Refastenable Tape Cut and Place (RTCP) is a unit for pulling, cutting and placing the pre-glued tab tape. The cutting device is followed by a tape folding and pressing system.

- Up to 600 cuts/min
- Tape width up to 65 mm
- Independent servo driven system
- Diaper chassis width up to 380 mm
- Torque limiting device with phase shifting unit (optional)



Sublayer Cut & Place (SLCP)

SLCP is a unit for pulling, cutting and placing the sublayer (ADL).

- Up to 600 cuts/min
- ADL width up to 100 mm
- Cutting length up to 270 mm
- Diaper chassis width up to 380 mm
- Independent servo driven system
- Raw material unwinding with automatic splicing system
- Safe feeding system
- Hot melt system (optional)
- Torque limiting device with phase shifting unit (optional)

Horizontal Stacking & Counting System (HSC)

Phoenix HSC is a unit that receives bi-fold or tri-fold products from the parent machine. The products are grouped into a stack and delivered to a manual or auto packing machine.

- Up to 50 cycles/min
- Stack count from 8 to 36 diapers
- Single or dual pushing systems
- All functions are servo driven
- Automatic job change from Human Machine Interface (HMI)

Backsheet Lamination Unit (BLU)

The backsheet lamination unit consists of:

- Two unwinders with splice & buffer for polyethylene & non-woven material
- Hot melt glue system for lamination
- Automatic edge guiding systems for PE & NW before the mating point
- Pulling and lamination unit
- Control panel with Human Machine Interface (HMI)
- Production speed up to 300m/min
- Material width up to 380 mm



Request quotes

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