

2-EZ® SIDE BELT ERGOPACK® SYSTEM



2-EZ® SB Ergopack
Ergonomic Hand Pack Station

Machine Range:	Length x width x Height (Outside Dimensions) Standard Minimum 8" x 6" x 5" Standard Maximum 20" x 16" x 18"
Standard Speed:	15 CPM
Max Speeds may differ due to application requirements	
Electrical:	240v / 3ph / 60Hz / Typ. 30A Disconnect Other voltages available at additional cost
Pneumatic:	Air Consumption: 80PSI -3/4"
Standard Discharge Height:	Case Discharge Height from 21" (533mm) – 25" (635mm)
Machine Weight:	4000 lbs (1815kg)

RSC Case



CUSTOMER PROJECT DETAILS

Product – Description	Case Type (RSC, HSC,FOL,POL)	Product Size			Case Size			PPM	Pack Pattern (LxWxH)	CPM
		L"	W"	H"	L"	W"	H"			
Neba 250 Shoes in box	RSC	TBD	TBD	TBD	10	5.5	13	TBD	TBD	5

CASE INFO



2-EZ® SIDE BELT ERGOPACK®

The innovative Combi Ergopack® has raised the standard for hand packing productivity. Efficient and durable, the Ergopack® combines a case erector, a hand pack station, and a case sealer into a compact and cost-effective work cell. This ergonomically designed system features a hands-free indexing system that positions cases and product for optimal operator comfort, thereby minimizing repetitive wrist and arm motions. On-demand case presentation combined with available multi-operator stations provides ultimate flexibility.

Cases are erected and bottom sealed, then discharged onto the Ergopack® conveyor and presented to the operator. The operator then packs from the product conveyor into the waiting case. Once filled the operator waves a finger across the switch and the case is transferred to the top sealer where the top flaps are closed and the case is sealed by pressure sensitive tape.

Standard Features:

- Case Erector

- EZ Load Walk-In Powered Case Magazine
- Product Conveyor - Attached Low Profile 12" OAW Plastic Flat Top Chain, Steel Construction conveyor with drive adjustable side guides, Product Pack off shelf and controls. Two Person conveyor standard; add 2' to Conveyors for each additional person. (Other widths are also available at additional cost).
- Ergopack Hand Pack Station
 - One or Two person Pack Stations (more options available)
 - Custom low profile motorized two-person pack off case conveyor to receive and control sealed cases on demand from the case erector. Includes drive and controls to index cases for hand packing. Case position easily adjust with lock and slide photo eye.
 - On-Demand Case presentation with Finger Swipe Switch
- TBS100FC
 - 3M™ Accuglide Tape Head – Standard 2" Width
 - V-Guide Side Drive Belts
 - Full Guarding Packaging with Hinged Doors and Safety Interlocks
- Heavy-Duty Welded Steel Construction with 2-Component Primer & Steel-It Paint
 - Rugged Construction for 3-Shift Production
 - Lifetime Warranty on Structural Framework
- Allen-Bradley™ HMI
- Allen Bradley™ PLC
- Only 5 adjustment points with digital indicators assist 2 minute changeovers
- Right Hand or Left Hand Execution – No Up Charge (Customer Chooses at Layout Signoff)
- One-Year Comprehensive Parts Warranty
- In Stock Replacement Parts Ship Within 24 Hours
- Equipment Manual - Electronic Format/Thumb Drive in effort to promote "Green" practices

Note:

The above quoted product conveyor includes an additional 4 ½" wide conveyor chain with related components and product guides. The additional conveyor chain is required to make the operator's reach ergonomically sound.

ADDITIONAL EQUIPMENT

Case Roll-Over Device and Conveyor:

Device to turn case 90-Degrees (tilt forward), and turn case again 90-Degrees (knock down) as it is discharged from the Combi TBS100FC Case Sealer. Includes 4' long belt conveyor with integrated controls. Case to then be presented laying down with the largest panel (with 2-labels) up.

Ergopack Product Conveyor Change:

Modification to the Ergopack Product conveyor; to shorten it and add an area to set the customer's (2) label printers and additional packaging material (catalogs and etc); also includes courtesy outlet for printer.

Additional Items:

- *Scanner Mounting Bracket on Product Infeed Conveyor (New Balance to supply drawings of Scanner).*
- *Break and Gate Product Indexer to allow one shoe box to be released to the pack station at a time; also included is a product present photo eye on end stop.*
- *Dry Contact Input for E-Stop circuit, if a line E-Stop is initiated, the Ergopack must go into an E-Stop condition.*
- *Dry Contact Output tied into the "Call for Case".*
- *Redundant Call for Case switch on infeed end of product transfer shelf.*

NOTES:

- 460V/3Ph/60Hz Input Voltage
- Change the conveyor from 12" wide to 18"

Warranty available (See Pricing Summary)

PRICING SUMMARY

2-EZ® Side Belt Ergopack® System	
2-EZ® Side Belt Base Price - Ergopack® 12" Wide Product Conveyor - Ergopack® Hand Pack Station (2-Person)	
• TBS100FC Top Case Sealer	
• Case Size modification below minimum width	
• Filter & Gauge for Vacuum generator	
• Additional Items as noted	
• Modification to add shelf area and etc.	
• Voltage other than 240V/3PH/60HZ (Change to 460V/3ph)	
• Case Roll-Over & Turn Device and Case Conveyor	
• Upgrade Product Conveyor from 12" wide to 18" wide	
• Skidding, Crating and Preparation for Shipment - Included	
TOTAL SYSTEM COST: (Less freight & install)	\$ 125,358.00
Suggested Start-Up and Training	
Suggested Three Day Start-Up and Training (Including Travel Time) Weekday Standard Rates Apply (Monday-Friday, between hours of 8am – 5pm)	\$5,700.00 estimate
Accessories / Misc.	
• Low Case Supply Alarm. Includes Sensors and Flashing Beacon	\$895.00
• Low Tape / Tape Error Kit. Kit includes sensors, mechanical components, and PLC hardware to detect: low tape on roll, no tape applied, or tape not cut. Also includes Light beacon for visual alarm and programming. (Top and Bottom)	\$3,390.00
• Spare Parts Kit dependent on options purchased – actual list generated after final design	\$4,775.00
Electrical	
• UL Approval for Main Electrical Panel.	\$1,395.00
• Option for Product Conveyor, Case Transfer and Sealer to be separate circuit. This will enable them to run even when Case Erector door is opened or shut down. Opening the door to erector will cut power and air to erector only. The remainder of the line will function in its normal fashion. Requires separate safety circuit and modified wiring during mfg. stage.	\$1,500.00
Mechanical	
• Discharge Elevation of 25.125"-30.0" – Upgrade to 18" Foot Bolts	\$695.00
• Extended Powered Case Infeed Magazine 4'-6' (74" max) for additional RSC KD storage	\$2,995.00
Guarding	

• Discharge End Guarding of Case Erector with Flat Panel with Cut out for largest case.	\$995.00
• Discharge End Guarding of Case Sealer with Flat Panel with Cut out for largest case.	\$695.00
• Magazine Guarding with Flat Panel with Cut Out for largest case	\$995.00
-OR-	
• Magazine Guarding (Bi-Fold Door)	\$1,495.00
○ Magazine Top Guard Crank Assist with Handle and indicator 	\$1,495.00
• Top Cover Guarding of Case Erector	\$1,095.00
• Top Cover Guarding of Case Sealer	\$750.00
Tape Heads	
• 3" Wide Tape head Top and Bottom (Note" minimum case width must be 5 1/2")	\$1,990.00
• Extra Tape Head - ea. (Preloading a spare tape head provides the fastest tape reloading of the machine). Please confirm top or bottom.	\$2,266.00
• Additional Discs for Low Tape / Tape Error kit for Spare Tape heads.	\$250.00 ea.
Extended Warranty Options:	
• Combi One Year or Two Year Extended Warranty available (Note: Additional if purchase any options)	TBD

2-EZ® SIDE BELT ERGOPACK® LAYOUT (PRELIMINARY)

MACHINE SPECIFICATIONS:
VOLTAGE: 240V/3PH/60HZ - 30AMP DISCONNECT ☒
NEMA RATING: 12
AIR: 80PSI, 3/4 SUPPLY LINE ☐
CONSTRUCTION: MILD STEEL-PAINTED
CASE: RSC, 175-275 LB TEST

PROJECT DETAILS (QUOTE #XXX):
-2-EZ SB CASE ERECTOR/BOTTOM TAPER
-12" PRODUCT CONVEYOR
-ERGOPACK (2) PERSON HAND PACK STATION
-TBS-100 FCXL CASE SEALER (TOP ONLY)

CASE INFORMATION (L" x W" x H"):

TO BE FILLED IN:
MACHINE HAND:
(LEFT HAND OR RIGHT HAND)

-CASE DISCHARGE ELEV: _____"
(21" - 25" RANGE)

-PRODUCT INFEED ELEVATION: _____"
(36" - 40" RANGE)

ELEVATION DIFFERENCE OF CASE DISCHARGE
AND PRODUCT INFEED MUST BE GREATER THEN
TALLEST CASE WITH FLAPS UP AND > OR = 15"

TRANSFER TYPE: _____
(SEE PLAN VIEW)

STANDARD

REV	DATE	BY	DESCRIPTION



