



TIPPER TIE™

TN2002

Automated clipped netting system



Automated netting and clipping of bone-in hams, briskets and formed items

TIPPER TIE TN2002

Automated Clipped Netting System

A Difference Maker

The TIPPER TIE Netter TN2002 completely automates the process of netting and clipping products like large bone-in hams, small briskets, and formed items. Its pioneering design results in a highly productive system that, depending on the operation, can reduce labor by up to two workers and generate significant savings on netting materials while improving the overall package quality.

Technical Highlights

The TN2002C features a unique conveyor infeed system that ensures consistent product indexing and feeding for a uniform finished product. The pneumatic scoop provides added control of the shank during pushing. The result is a consistently centered ham passing through the horn into the netting. The focus on product quality continues in the clipping process. The large, open design of the voiders accommodates both small and large injected hams, while double clippers precisely apply secure closures. Excess tail material is trimmed,

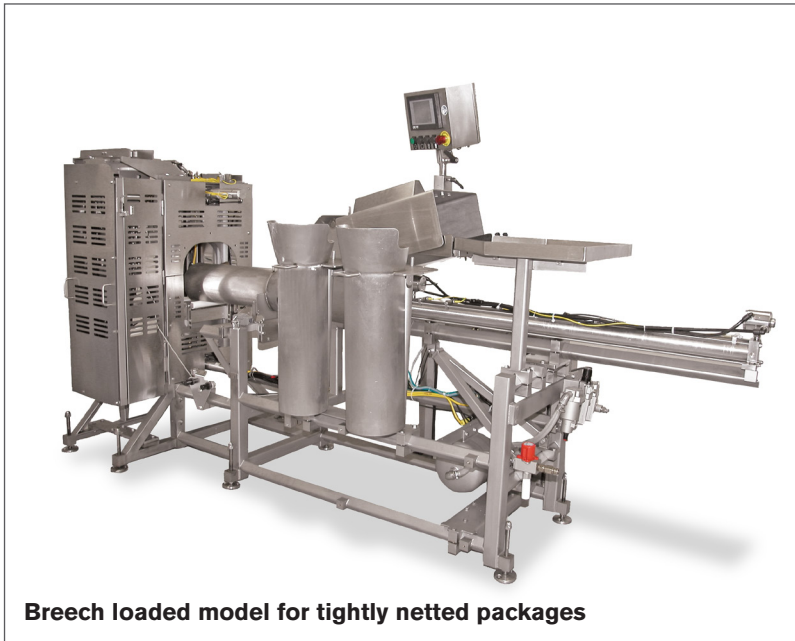
resulting in tight packages that use only the amount of netting necessary for the product. On a per unit basis, waste associated with precut and clipped netting pieces is eliminated, yielding ongoing savings that accelerate the system's payback.

TN2002 accommodates 100 to 300 feet (30.5 to 91.4 meters) of rucked netting at a time. Its single operator can conduct change outs in 15 seconds or less, virtually eliminating downtime and making long, uninterrupted runs possible. Adding to its versatility, the system accepts all types of rucked netting including cotton, elastic, poly, and plastic.

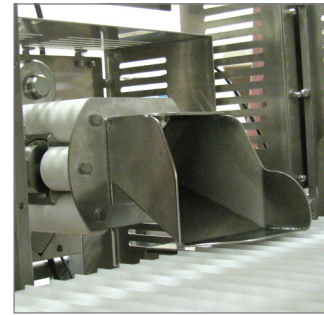
Every TIPPER TIE system is designed with sanitation processes in mind. The stainless steel TN2002 complies with international guidelines and principles, making total wash downs simple and complete even in the harshest of processing environments.

Model TN2002B

An important factor in ham packaging is the product size compared to the netting size. For applications where tight, fixed diameter netting is critical



Breech loaded model for tightly netted packages



for achieving consistent shapes that improve cutting yields for sliced products like ham steaks and portions, the TN2002B is the desired choice. It is an in-line, gravity fed, breech loaded system that accepts most methods of conveying. The breech automatically positions the product and then guides it into the horn. Proper positioning of product in the breech is critical to effectively pushing it into tight netting and creating a quality package. The unit's pushing and clipping processes are identical to the TN2002C.

To reduce the frequency of change outs, the TN2002B handles up to 600 feet (182.9 meters) of rucked netting at a time. And, as with the TN2002C, its single operator can perform a netting change in 15 seconds or less. TN2002B has available several horn diameters as well that can be easily exchanged.

Paying Dividends

The TIPPER TIE TN2002 Netter is a prime example of market experience applied to cutting edge engineering to deliver dramatic economic benefits for customers. The impact of labor and

packaging material savings, coupled with dependable performance, make the TN2002 the new standard for netting and clipping whole hams and many other products.



TIPPER TIE TN4000 Series Specifications

Specifications: TN2002C

Electrical Requirements	120 VAC, 50/60 Hz
Air Requirements	50 CFM @ 80 - 100 psi (5,5 - 6,9 bar)
Clipper Types	SZ3225
Clip Types	Z321 or Z351 spool type
Dimensions (L x W x H)	177" x 85" x 75" (4496 mm x 2159 mm x 1905 mm)
Machine Weight	2100 lb (952.5 kg)
Optional Accessories	Left or right hand model
Controls	Allen Bradley

Specifications: TN2002B

Electrical Requirements	120 VAC, 50/60 Hz
Air Requirements	50 CFM @ 80 - 90 psi (5,5 - 6,2 bar)
Clipper Types	SZ3225
Clip Types	Z321 or Z351 spool type
Dimensions (L x W x H)	175" x 52" x 78" (4445 mm x 1321 mm x 1981 mm)
Machine Weight	2000 lb (907 kg)
Optional Accessories	Left or right hand model
Controls	Allen Bradley

Accessories

The TN2002 is available with the RLB or RFDW1 rucker.

The all-electric RLB uses automated controls for precision filling of horns, with simple two-button operation. It uses wheels instead of grippers to hold and move netting, and can handle extruded nets and loose weave style nets that are less elastic. The RLB rucker works with chute sizes up to 14 inches (355.6 mm). Both the chute type and size are flexible and adaptable to other types and sizes.

The RFDW1 is the top of the line TIPPER TIE rucker, using automated controls to run elastic, stocking, and other netting materials with greater precision and efficiency. Its ruck-ing wheels index up and down on a grid as opposed to the horn itself, resulting in greater control for longer lengths and a more consistent ruck-ing result.

Refer to the TIPPER TIE Rucker brochure for more information.



RLB rucker



RFDW1 rucker

JBT PROTEIN PROCESSING

SECONDARY

BRINE PREPARATION | HOMOGENIZATION | INJECTION
INJECTION & RETURN MILLING | MACERATION | MASSAGING | TENDERIZATION
X-RAY TECHNOLOGY | AUTOMATED TRAY LOADING

FURTHER

WEIGHING | PORTIONING/TRIMMING | COATING | FRYING & FILTRATION | PROOFING
COOKING | COOLING | CHILLING | FREEZING | REFRIGERATION | CLIPPING & PACKAGING
SOLUTIONS | X-RAY TECHNOLOGY | HIGH-PRESSURE PROCESSING (HPP)



North America
TIPPER TIE, Inc.
2000 Lufkin Road
Apex, NC 27539 USA
Tel. +1 919 362 8811
Fax +1 919 362 4839
tippertie@jbt.com

Europe
TIPPER TIE TECHNOPACK GmbH
Wilhelm-Bergner-Strasse 9a
21509 Glinde/Germany
Tel. +49 40 72 77 04 0
Fax +49 40 72 77 04 100
infoDE@jbt.com

Latin America
JBT
Máq. Equip. Ind. Ltda.
Av. Eng. Camilo Dinucci 4605
14808-900 Araraquara
São Paulo
Brazil
Phone +55 16 3301 2000
latinamerica.info@jbt.com



We're with you, right down the line.™

tippertie.com | jbt.com