



TIPPER TIE™

TN3004

Automated clipped netting solution



Next Generation Automated Packaging for Netted Products

TIPPER TIE TN3004

Next Generation Automated Netting Equipment

The TIPPER TIE TN3004 is the next generation in automated netted packaging solutions. Designed to be Faster, More Reliable, More Hygienic and Smarter the new TN3004 sets the bar for performance and dependability.

Faster

The TN3004 has several new design features that allow it to hit new levels of productivity, up to 12 pieces/minute based on operator and product. With automation being more important than ever, we designed the TN3004 for maximum automation. The unit can be robot fed, and when using mirrored machines a single robot (or operator) can support two machines simultaneously.

We didn't make the machine faster simply by running it faster, we improved the process steps to remove unnecessary steps/time, saving wear and tear and increasing production. We updated the chute mount to allow for faster chute changing which lowers downtime.



More Reliable

A modern conveyor system utilizing electric motors instead of traditional pneumatic motors improves control of belt speed and reduces air consumption, lowering costs. The redesigned gathering system eliminates failure points of earlier generation machines while improving product consistency.

Sanitary Design

The TN3004 has an I beam frame and no closed tubing, so less places for microbial harboring. Our "Always Aligned" printer tray allows quick removal of the printer during cleaning and instant realignment when replaced, removing the need to bag the printer during sanitation.

Smarter

The new TN3004 has a more sophisticated labeling system. Incorporating a Sigma IPC and LabelPak software, this new system utilizes Encompass.net management view, allowing you to manage several systems all from a single chair. The system also includes an Auto Grade feature which allows you to sort product on the fly to fill orders in a more efficient manner.

Area of Application

Ideal for the netting of finished product ready for freezing or store shelves. Fresh and frozen turkeys, chicken and other poultry which can be heavier and require a safe and secure handle are easily netted with the TN3004.

Other applications for the TN3004 include different hams, especially spiral sliced ham. In addition to hams, the TN3004 is also a fantastic solution for netting briskets and beef roasts. The tight netting and uniform handle with accurate labeling is perfect for sale ready, customer products.

Another application for the TN3004 is mortadella. A cousin of bologna, large mortadellas are normally netted and the TN3004 is ideal for the netting process.

When looking outside of pork, beef or poultry products, the TN3004 has also been used for netting shellfish or even flower bulbs.

Features

- Next Generation in Automatic Netting Solutions
- Designed for maximum automation (robot fed)
- Newly designed chute mount for faster, easier chute changes
- New hygienic design - I beam frame with no closed tubing
- Product specific belt options
- High Torque Multi Pole 3 phase motors for better control and no compressed air consumption
- "Always Aligned" Printer - this design provides for fast and easy removal of the printer for washdown and instant realignment when place back on the machine.
- Sigma IPC Labeling system with 'Auto Grade' feature
- A variety of Chutes with optional roller belt inside horn to assist products through the chute.
- Constructed from stainless steel and other non-corrosive materials



Options

- Scaling Conveyor with Sigma IPC - automatically weighs product and transfers information to printer for real-time, accurate data
- Sato Printer - for real-time printing
- Tagger - for applications that do not require a scale
- Extra Tight device - for products without handles
- Multiple chute options
- Multiple conveyor belt options

Benefits

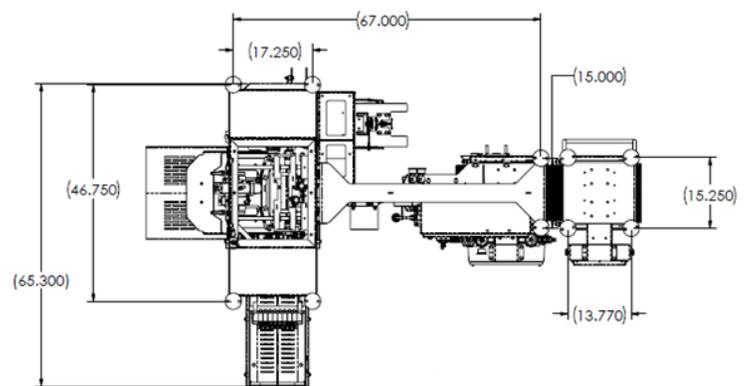
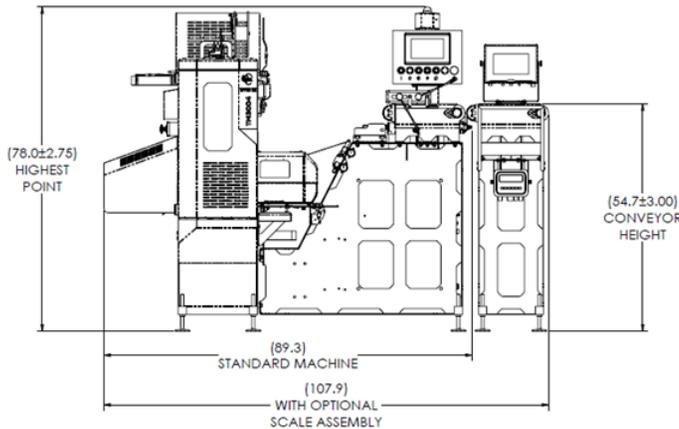
- Faster - up to 12 pieces per minute
- More complete and faster cleaning from improved hygienic design
- Minimal product handling
- Labor savings, two machines can be operated by a single operator
- Automatic weighing of product which is transferred directly to the printer for accurate labeling
- Eliminates wasted netting with consistently tight-fitted packaging and uniform handle making
- Tags can be printed with real-time production data like weight, date, and lot number
- Longer production runs achievable using Z300 spool clips

TIPPER TIE TN3004 Automatic Netting Solution

Specifications	TN3004
Dimensions (in)	87w x 68d x 73-80h
Dimensions (mm)	2718w x 1708d x 1841-2215h
Input Power	120V or 240V Single Phase
Fuse protection	20A
Noise level *	85LpA (dB (A))
Weight	1500 lbs (680kg)
Protection class	IP65
Air supply	18 SCFM at 12 pcs/min at 90 psi
Compressed air	5.5-7 Bar (80-100 psi)
Speed	12 pcs/min (start stop)
Clip type	Z321 on spools

Specifications	RLW
Dimensions (in)	55w x 38d x 78h
Dimensions (mm)	1400w x 965d x 1980h
Input Power	240 VAC, 50-60 Hz, single phase, 15 amp
Fuse protection	15 amp
Noise Level *	NA
Weight	1000 lbs (450kg)
Horn Range	7.5" - 14" (190mm-350mm)
Machines	TN3004, manual lines

*EN IOS 11204:1995



Associated Product - RLW Rucker

- Provides automatic rucking of netting onto the horn.
- Handles extruded nets and loose weave style nets that are less elastic.
- Simple timer operation, just set and go. No need to monitor rucking, it automatically turns off when chute is full.
- Available with brushes or urethane wheels for optimum performance on a wide range of nets.
- Highest level of safety - completely enclosed and interlocked.
- Holds netting rolls up to 26" wide and 18" in diameter.



JBT PROTEIN PROCESSING

SECONDARY

BRINE PREPARATION | HOMOGENIZATION | INJECTION
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COOKING | COOLING | CHILLING | FREEZING | REFRIGERATION | CLIPPING & PACKAGING
SOLUTIONS | X-RAY TECHNOLOGY | HIGH-PRESSURE PROCESSING (HPP)



DSI



FRIGOSCANDIA



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We're with you, right down the line.™

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