

High performance and durability across a wide variety of clipping applications

# TT1815- TT1512



**+ JBT Marel**  
Tipper Tie

# TIPPER TIE TT1815 & TT1512

## Automatic Double Clippers

The TT automatic double clippers are the result of many years of experience and systematic product development. They reliably and expertly close all common plastic, fibrous, and collagen casings in calibers 35–140 mm (TT1815) and 20– 80 mm (TT1512). Rapid changeover between clip pitches (from 12 to 15 mm or from 15 to 18 mm) allows flexible use across a wide caliber range. TT automatic double clippers can be connected to all standard filling machines. They provide precise portion sealing for individual, string, and ring sausages, with no product residue in the casing ends. This advanced closure technology is also used in many non-meat applications, such as packaging semi-finished confectionery products, cheese, soups, and various non-food products.

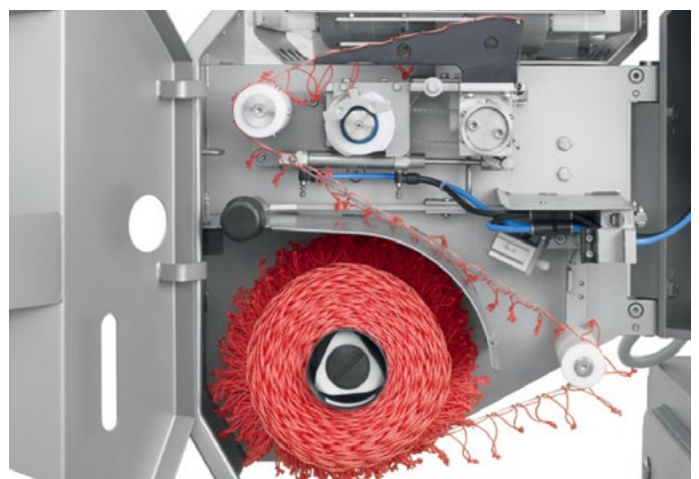
## Technology

The electronic clip closure force monitor prevents machine damage in the case of incorrect operation. If the set threshold value of the closing force is reached, the safety system is triggered and it stops the machine. The safety system increases production reliability many times over. The clip closure height can be set consistently and the effective clip closing force is shown on the display. Voiding is carried out via a cam disk. The cam roller is controlled both when opening and closing. The clip closure lever is moved via rim cams. These design provide the TT automatic double clippers with a long service life and minimum wear. For maintenance work, the clip cam can be manually controlled via the touch screen. The parameters for knife and tool changes as well as the cleaning position can also be called up via the touch screen.



## Advantages

- Ergonomic, compact design for high operating convenience
- Manual clip cam adjustment via touch screen
- Knife tool change and cleaning position selectable via touch screen
- Reproducible clip pressure setting, adjustable from the outside
- Electronic clip closure force monitoring "NewCon"
- Fast conversion to a different pitch with Click-Clip feed
- Spring loaded gatherers guarantee a long service life
- Air-free slack filling of shaped products (TT1815)
- Easy cleaning thanks to smooth hygienic design
- 20 speeds plus continuous run for maximum productivity



## Control

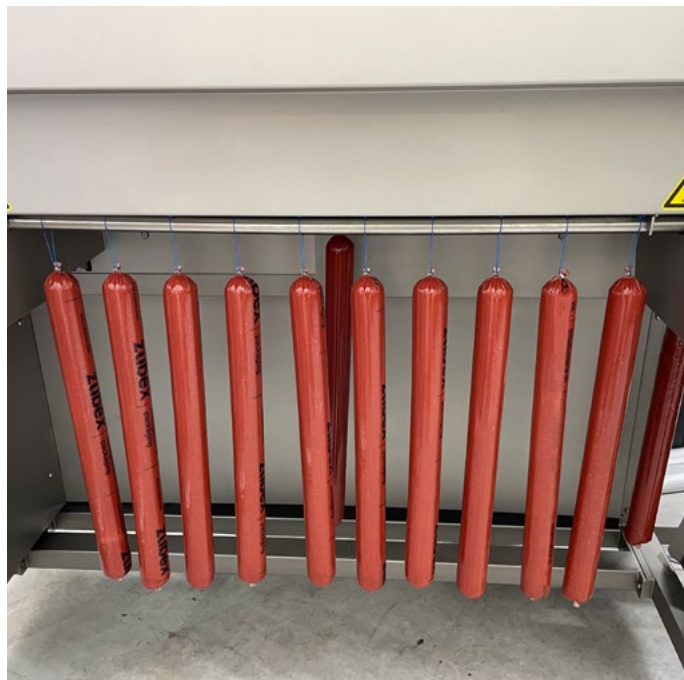
The TT double clippers are equipped with a maintenance-free servo drive and a PLC control. The machine is operated via a touch screen. This modern operating system with graphical visualization and alphanumeric plain text display in many languages leaves nothing to be desired in terms of convenience, hygiene and efficiency. These clippers are now available with TipperVision suite of connected solutions to maximize your productivity.

## Hygienic Design

The TT automatic double clippers offer a maximum of maintenance- and service-friendliness. Smooth, stainless surfaces without bolt heads or corners where dirt can accumulate and horizontal surfaces with a 3° incline are design elements which allow fast, hygienic cleaning. The valves, drive and control are hermetically sealed against water and dirt by covers.

## Automation Line Accessories

Joined with Tipper Tie automatic double clippers, the automated hanging lines safely and precisely suspend all sausages across an array of casing types, calibers, and string lengths.



## TTStick

The TTStick product line combines advanced automated suspension technology with intuitive, user-friendly controls to expertly produce portions or strings of sausages. Engineered to minimize downtime and reduce labor and maintenance costs, TTStick delivers the benefits of automated, high-capacity production while simplifying your operation.

TT1815-TT1512



## Equipment Versions

- String loop feeder BSZ 105-2
- Overspreading up to 130 mm (TT1815)
- Print mark control for centred trademark
- Clip and loop end detection
- Labelling system Tagprint 60
- Single clip setting
- String dispenser for ring-shaped products
- Mechanical and visual length portioning
- Swivel head, V-turret head or parallel turret head
- Various conveyor belt and chute designs
- Clip coding
- Pneumatic casing brake for sensitive casings
- Casing end detection
- Nose-wheel for easy maneuvering

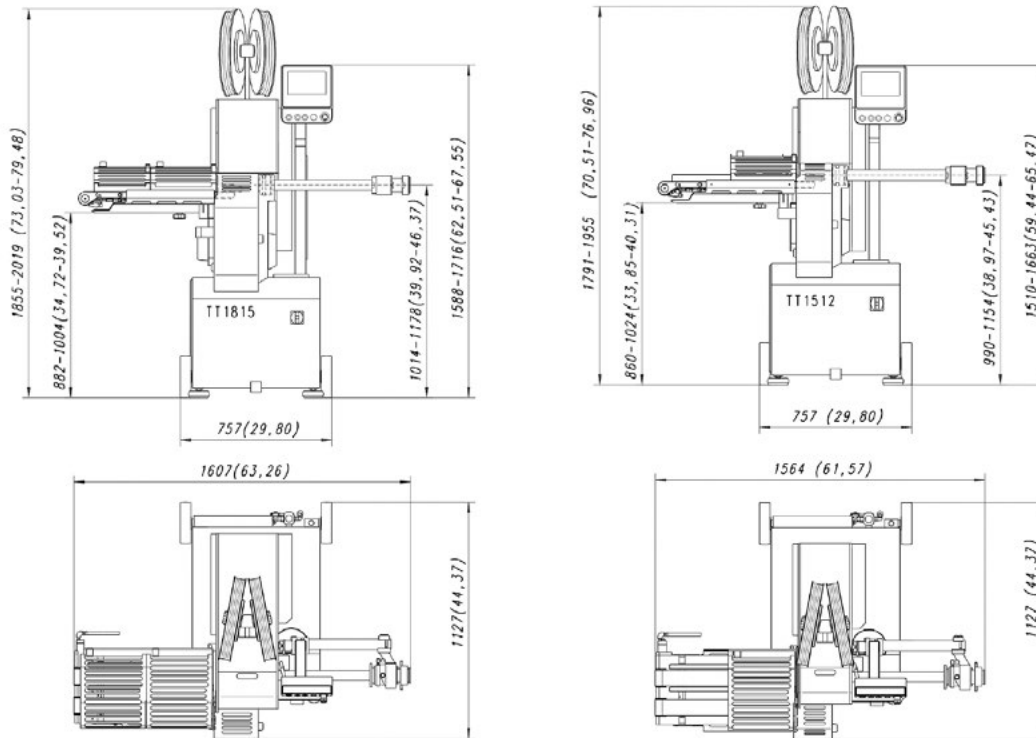


## TTSealH

TTSealH is a precision-engineered automatic system for packaging pumpable products, and it is compatible with the TT1512 and TT1815 automatic clippers. It runs cost effective roll stock, processing blank or printed films, in addition to most monolayer and multi-layer flat foils including poly, mylar, and aluminum coated films.

# TIPPER TIE TT1815/TT1512

## Specifications



	TT1815	TT1512
Width:	1,607 mm (63.26")	1,564 mm (61.57")
Depth:	1,127 mm (44.37")	1,127mm (44.37")
Height:	2,019 mm (79.48")	1,955 mm (76.96")
Supply voltage:	3x 400V/50 Hz or 60 Hz	3x 400V/50 Hz or 60 Hz
Power installation:	5.5kW	5.5kW
Protection class:	IP65	IP65
Air consumption:	5.1 liter/cycle @ 6 bar	5.1 liter/cycle @ 6 bar
Compressed air:	6-7 bar (87-101 psi)	6-7 bar (87-101 psi)
Calibre range:	35-140 mm (1.4-5.5")	20-80 mm (1-2.8")
Cycle number:	up to 130 port./min	up to 200 port./min
Tools:	18 and 15 pitch	15 and 12 pitch
Total spreading:	130 mm with slack filling LF130	
Sound pressure level:	LpA = 75dB(A) (as per EN ISO 11204)	
Weight:	500 kg (1102 lbs)	450 kg (992 lbs)

