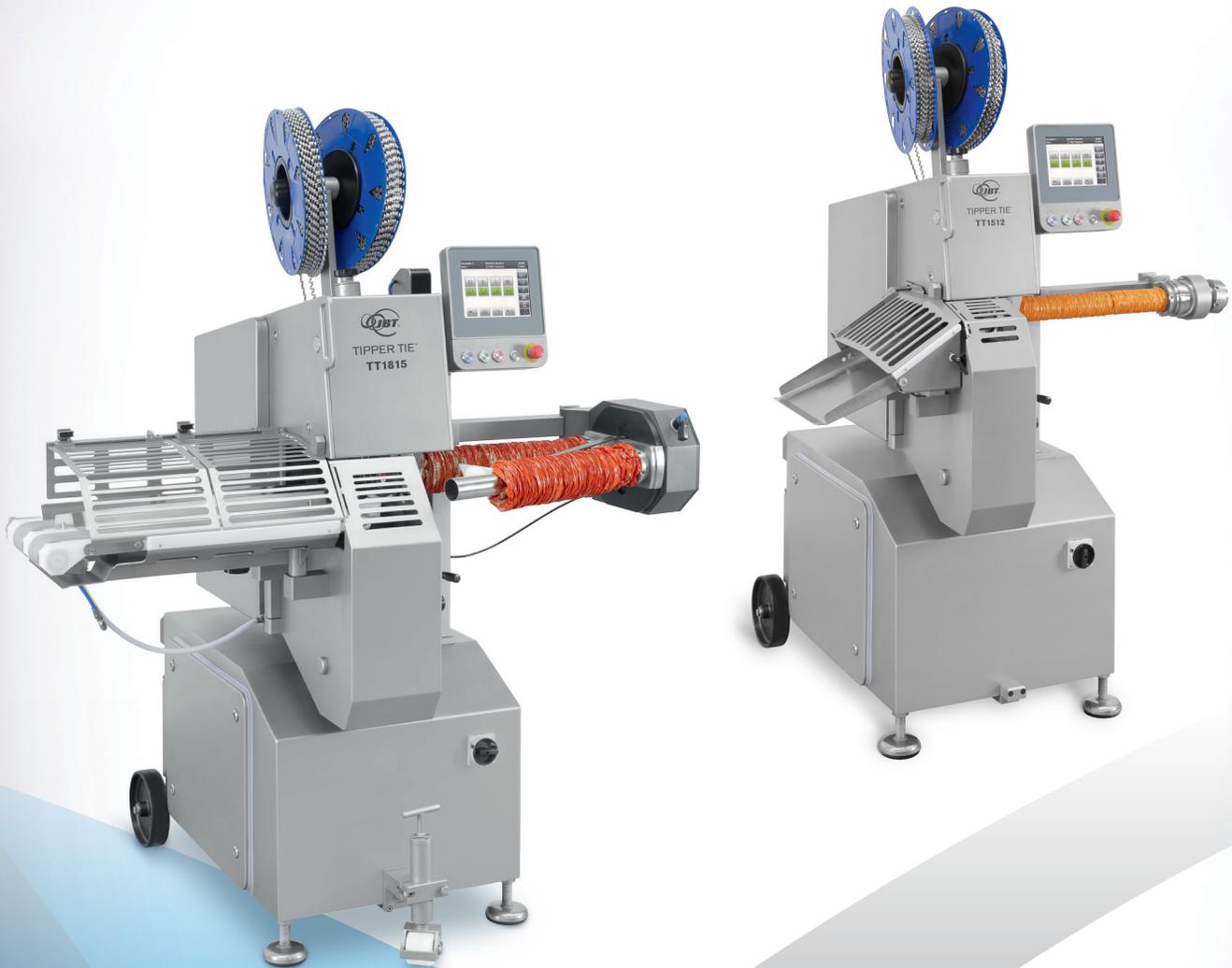




TIPPER TIE™

TT1815 / TT1512

Automatic Double Clippers



High performance and durability across a wide variety of clipping applications

TIPPER TIE TT1815 & TT1512 Automatic Double Clippers

The TT automatic double clippers are the result of many years of experience and systematic product development. All familiar plastic, fibrous and collagen casings from caliber 35–140 mm (TT1815) and 20–80 mm (TT1512), can be cleanly and efficiently closed. Fast conversion to a different clip pitch (from 12 to 15 mm or from 15 to 18 mm) enables individual use and increases flexibility of the caliber range.

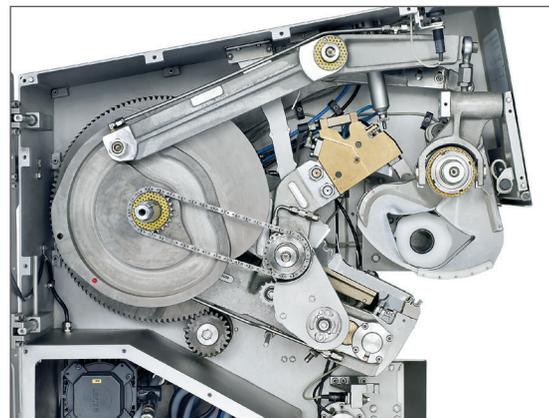
The TT automatic double clippers can be connected to all conventional filling machines. They seal the portions precisely to produce individual, string, and ring sausages without product residue in the casing ends. This modern closure technology is also used for many applications outside of the food industry, e.g. for packaging semi-finished confectionery products, cheese, soups or non-food products.

Technology

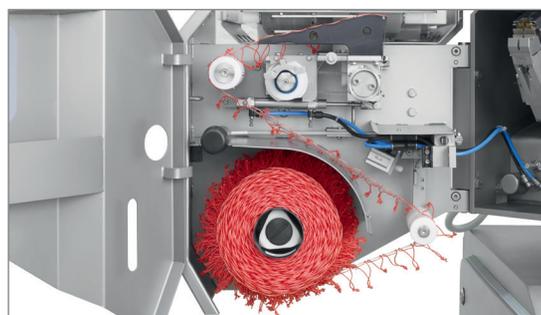
The electronic clip closure force monitor “NewCon” (Newton Control) prevents machine damage in the case of incorrect operation. If the set threshold value of the closing force is reached, the safety system is triggered and it stops the machine. The “NewCon” is a safety system which increases production reliability many times over. The clip closure height can be set consistently. The effective clip closing force is shown on the display.

The whole machine is completely stainless. All drive levers are made of stainless cast steel. 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 solutions 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



All drive levers are made of solid, stainless cast steel. The electronic clip closing force control “NewCon” increases production reliability



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.

Equipment Versions

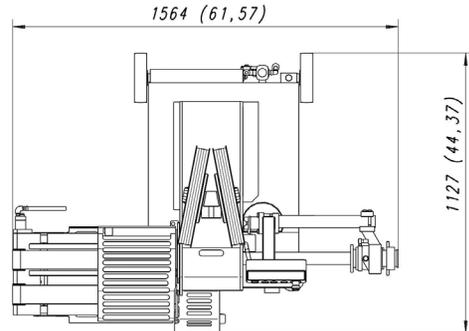
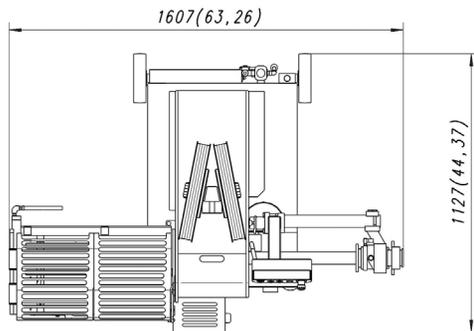
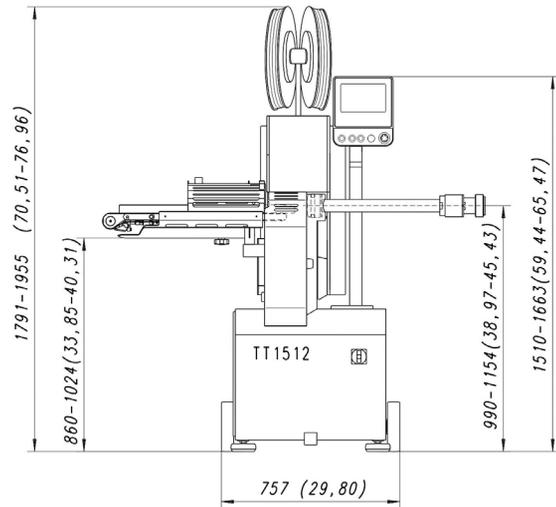
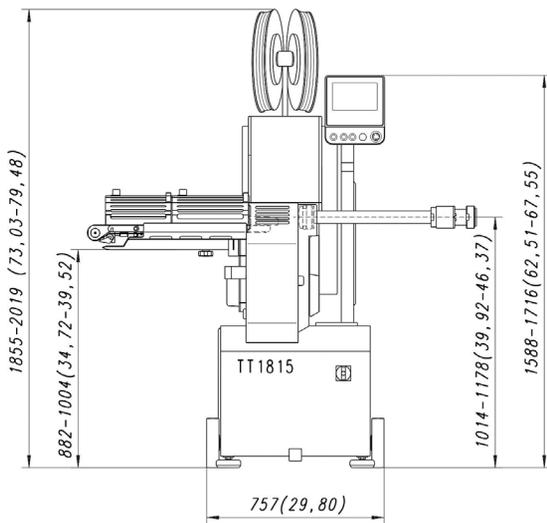
- String loop feeder BSZ 105-2
- Overspreading up to 130 mm (TT1815)
- Print mark control for centred trademark
- Clip and loop end detection
- Labelling system Tagprint 60
- Single clip setting
- String dispenser for ring-shaped products
- Mechanical and visual length portioning

- 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

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

TIPPER TIE TT1815/TT1512 Specifications



	TT1815	TT1512
Width:	1,607 mm (63.26")	1,564 mm (61.57")
Depth:	1,127 mm (44.37")	1,127 mm (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)	LpA = 75dB(A) (as per EN ISO 11204)
Weight:	500 kg (1102 lbs)	450 kg (992 lbs)

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)



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We're with you, right down the line.™

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