

ENGLISH

TIPPER TIE™

TCV Family

Table-top Clipper



Flexible, Economic.

CLIPPING & PACKAGING

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TIPPER TIE TCV & TCNV Table-top Clippers



**Horizontal
version TC406H
for upright bags**

TCV table-top clippers are used wherever absolutely secure closure is needed. Sausage, poultry, game, mussels and clams as well as packaged fresh meat and cheese can be sealed with these machines.

Our clippers in the TCV range continue to be perfectly suited for the preassembly of casings and the packaging of chemicals and other products in nets, bags and various casings.

This machine family is used in both large and small businesses. The robust equipment can be used for a number of different requirements. There is a wide range of applications. The following example applications show the universal use of the clip closure before, during or after the process.

Process packaging

- After clipping, a product is cooked or frozen. It can then be processed further or dispatched.
- A clipped net allows a product to be smoked with the required shape and surface structure.

Protective packaging

- A product is provided with a protective casing for reasons of hygiene.
- Products are sent in thick protective bags.
- Products are temporarily stored and protected against dust.

Final packaging

- The sealed product enables an appealing presentation to customers. A range of labels, product shapes and colors of the packaging and sealing materials enable a large number of different product designs.

Standby machine

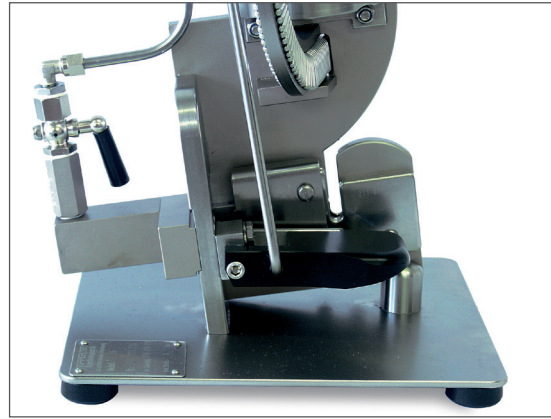
- With these machines, it is possible to react very flexibly to capacity peaks, re-working, downtimes of other lines or unexpected daily production levels.
- Speciality products can be packaged at low cost.

Packaging material

- The TCVx06 range can be used for bags, nets and small artificial casings.
- The TCVx07 and the TCNV range can be used for bags, nets, small artificial casings and all other commercially available casings.
- The TCNV range can be used for natural, collagen, fibrous and artificial casings.



**TCNV model with automatic loop feeder and
TCNV model with pneumatic cutting knife**



**Triggering by a sensor lever and
disengageable cutting knife.**



Pivotable extractor pipe for vacuum packaging

Advantages

- Low lifecycle costs due to robust design
- Service and maintenance costs are kept to a minimum
- The machine is compliant with the highest hygiene and safety standards
- High stability of the machine combined with very small footprint requirements
- The machine withstands the most rigorous permissible cleaning routines
- Hygienic design, smooth surfaces and stainless materials help to maintain the required operational cleanliness, quick and easy cleaning
- The flat clip is particularly suitable for sealing sensitive natural casings

Design

Table clippers from the TCV range are made of stainless steel and plastic and comply with the latest requirements for safety and hygiene defined in various standards. E.g. European Machinery Directive and Clipping Machine Standard EN13885.

Equipment Versions

- If the sausage is to be processed or presented while suspended, the loop feeder is used
- A knife ensures straight ends with a good appearance
- A maintenance unit ensures clean supply air at the correct pressure, thereby reducing maintenance costs
- Some models from the TCV range are available with a pivotable air extraction unit. This unit is used to create a vacuum inside the bags to be sealed before the bags are pivoted over to the clipper and sealed.
- For special applications and liquid products, some TCV devices are available as horizontal versions.
- The TCV106 machine is available in a special version with a label feeder. It enables the printing of a label during the sealing process, which is then attached below the clip in a forgery-proof fashion.

Technical Specifications

	Flat clip	Crossover clip	Manual knife	Cutting device (pneumatic)	Ejector	Loop feeder, autom.	Loop feeder (1 or 2 stroke)	Time valve	Gatherer	Sensor lever release, manual	Foot control	Knife, manual	Sensor lever release, pneumatic	VAC extractor	Time delay	Magazine, single	Oxygen device or knife (HF)	Horizontal frame with table stand and maintenance unit	Horizontal frame with lug clamp	Lifting stand, pneumatic	Magazine with dual shaft	Label feeder with printer	Label feeder with embossing device	Standard design
TCNV 75	✓	—	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Base plate with angular setting and support plate
TCNV 100	✓	—	✓	—	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
TCNV 200A	✓	—	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
TCNV 200B	✓	—	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
TCNV RF200	✓	✓	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
TCNV E220R	—	✓	—	✓	—	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
TCNV 400	✓	—	—	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
TCNV 400R	—	✓	—	✓	—	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Knife, pneumatic
TCV 106-100	—	—	—	—	—	—	—	—	—	✓	—	—	✓	✓	—	—	—	—	—	—	—	—	—	
TCV 106-E220	—	—	—	—	—	—	—	—	—	Options	✓	—	✓	✓	—	—	—	—	—	—	—	—	—	
TCV 206	—	—	✓	—	—	—	—	—	—	✓	—	✓	✓	✓	—	—	—	—	—	—	—	—	—	
TCV 406	—	—	—	—	—	—	—	—	—	✓	—	—	✓	✓	—	—	—	—	—	—	—	—	—	
TCV 507	—	—	✓	—	—	✓	—	—	✓	—	—	✓	✓	✓	✓	—	—	—	—	—	—	—	—	
TCV206H (HF)	—	—	—	—	—	—	—	—	—	✓	—	—	✓	—	—	✓	✓	✓	—	✓	—	—	—	
TCV406H (HF)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓	—	✓	✓	—	—	
TCV407H (HF)	—	—	—	—	—	—	—	—	✓	—	—	—	—	—	—	✓	✓	✓	—	✓	✓	—	—	
TCV407H (HF)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—	✓	✓	—	—	—	✓	

Specifications

Machine	Dimensions LxWxH (cm)	Weight (kg)	LpA [dB(A)]*	Clip type
TCNV 75	27x21x87	9	64	50, 75K+(T)
TCNV 100	27x21x87	9	74	(T)90, 100
TCNV 200A	27x21x87	9	74	175, 200G+(T)
TCNV 200B	27x21x87	10	74	175, 200, 250G+(T)
TCNV RF200	27x21x87	10,5	74	G175, 200, 250
TCNV E220R	27x21x87	10	74	E210, 220, 230, 240
TCNV 400	27x21x87	11	74	390, 400, 425
TCNV 400R	27x21x87	12	74	370, 380, 390, 400, G400, G410, K400, K410
TCV 106-100	25x22x87	10	83	K90-K150, T90-T150
TCV 106-E220	25x22x87	10	83	E210-E240
TCV 206	25x22x87	10	83	G175-G250
TCV 406	25x22x87	10	83	390-450
TCV 507	25x22x87	10	83	E510-E540
TCV 206H (HF)	52x25x64	11	83	G175-G250
TCV406H (HF)	52x25x64	11	83	390-450
TCV 407H (HF)	52x25x64	11	83	390-450
TCV 406Z	65x50x111	26	73	Z401, Z411

*Sound measurement as per EN ISO 3744 / noise pressure sound level measurement as per EN ISO 11204

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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