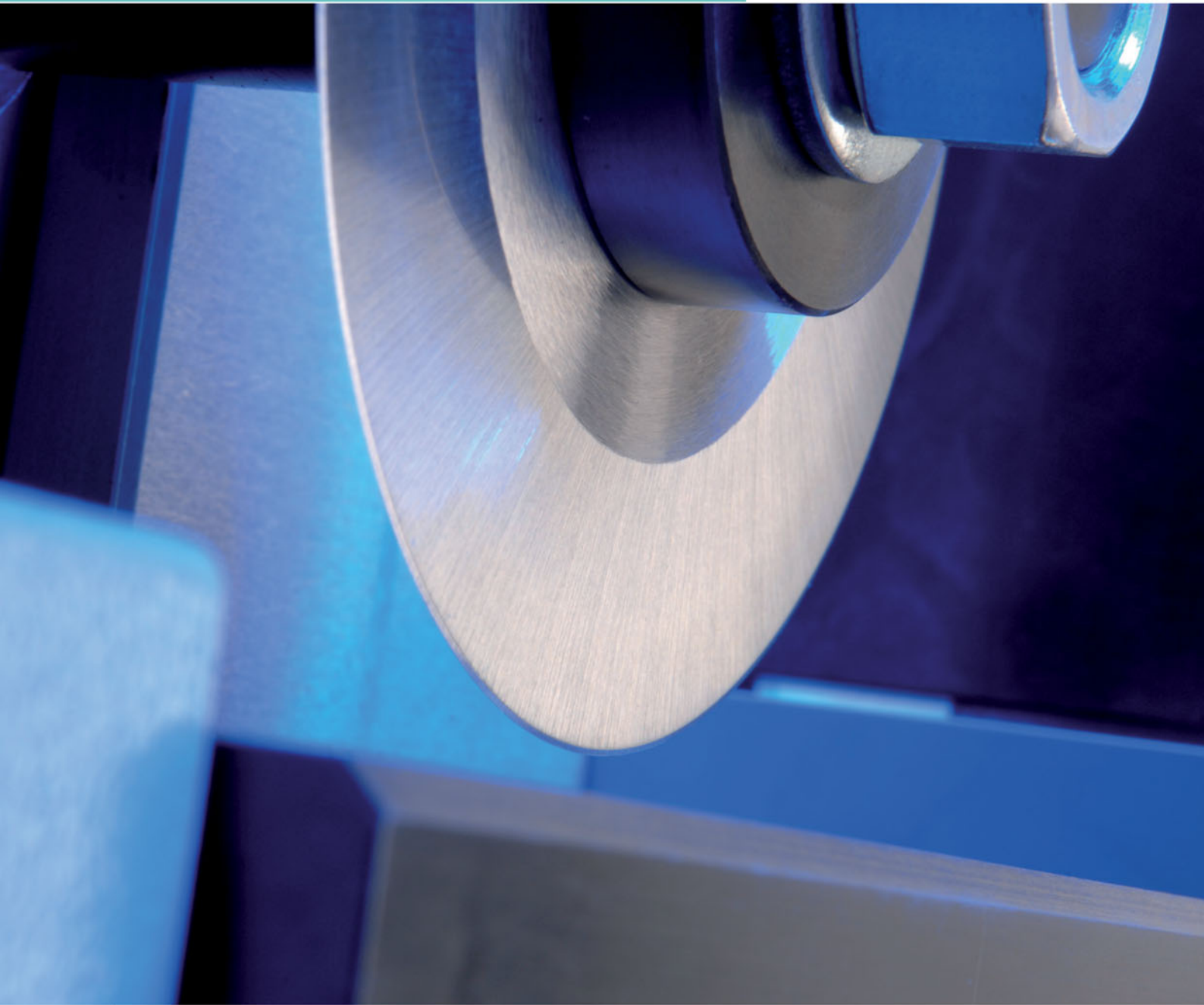


**Metzner**



## **Metzner CT 4000 Series**

**Powerful precision for corrugated tube processing**

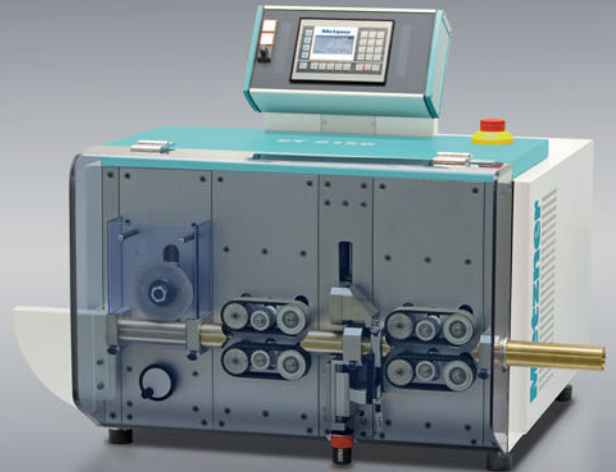
# Metzner CT 4000 Series

Processing machines for corrugated tubes



## Metzner CT 4100

The entry-level model cuts corrugated tubes on the material top with the precise tube cut and guarantees thus an optimal preparation result.



## Metzner CT 4150

The Metzner CT 4150 provides an integrated longitudinal slitting unit for automatic slitting along the length of unsplit corrugated tubes. With the height adjustment for the circular blade the cutting depth is adjusted to different tube diameters in no time.



## Cutting Precise on the Tube Top

Standard, split or corrugated tubes with muffles and flexible conduits are used for protecting cables and wiring harnesses. Cutting these protective coverings to length depends on cutting accurately on the crest of the ridge. Otherwise sharp cut edges are formed which results in damage to the drawn in cables.

The models in the CT series are an example of absolute precision: They process the corrugated tubes (splitted, non-splitted, reclosable or with muffles) precisely on the crest of the ridge guaranteeing a high quality result. Metzner corrugated tube machines are also designed to process a broad range of tubes and hoses.

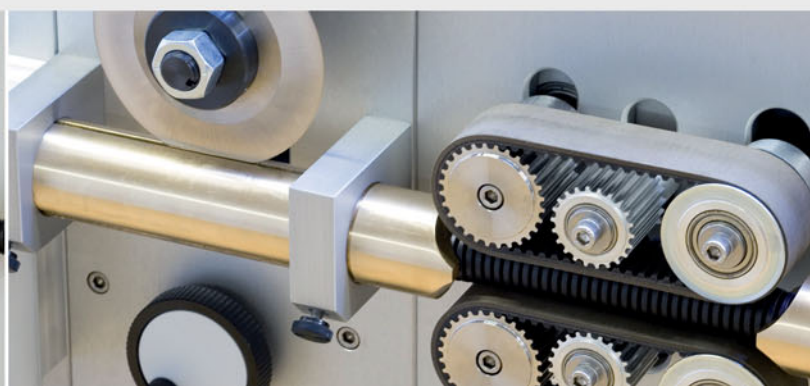
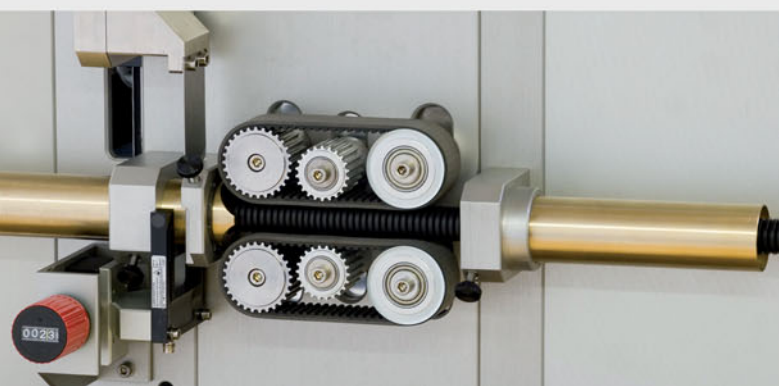
## Advantages and Benefits

### Unique diameter range

Metzner corrugated tube machines offer versatility and accuracy, with a processing range from 4.5mm to 35mm accurately and reliably. This makes the CT 4000 machines capable of cutting a wide range of products, for present production and future needs.

### Precision and accuracy

High-performance sensors guarantee reliable reading of the tube profile and place the cut precisely on the top or in the valley – providing just the processing result you expect. One sensor covers the whole diameter range.





## Metzner CT 4200

The CT 4200 model is equipped with the rotary cutting module as standard to ensure optimal cutting results for soft, pressure sensitive, large diameter and thin wall materials. All functions of the rotary cut (blade speed, blade feeder, cutting depth) are freely programmable. You can therefore adjust the machine exactly to the requirements of the material.



## Metzner SM 4000

The Metzner SM 4000 has revolutionised the process of cutting split corrugated tubes. As the only machine in the world the SM 4000 guarantees with its unique and patented cutting technology an unattainable cutting result and very high cutting rates.



## Optimal matching to different material by material specific feed systems

The CT machines provide the optimal feeder system for every type of corrugated tube: Precise and powerful belt feeder for standard corrugated tubes. Precise transport of split corrugated tubes using specially adapted gear wheels. In addition, the CT 4000 series provides the particularly sensitive »Senso-Press« belt adjustment for all belt feeders – for optimal matching to different materials.

## Quick changeover

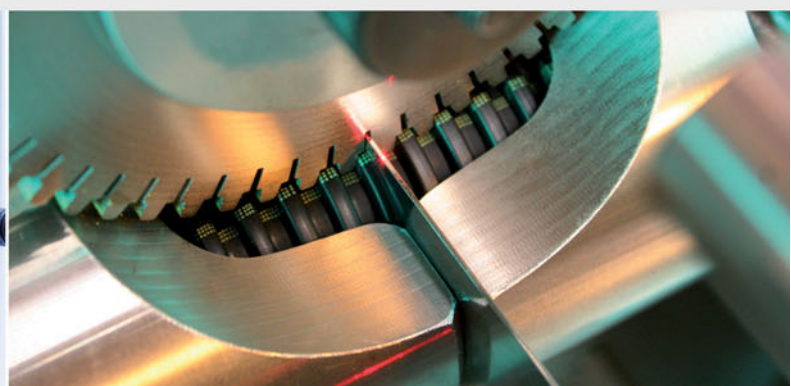
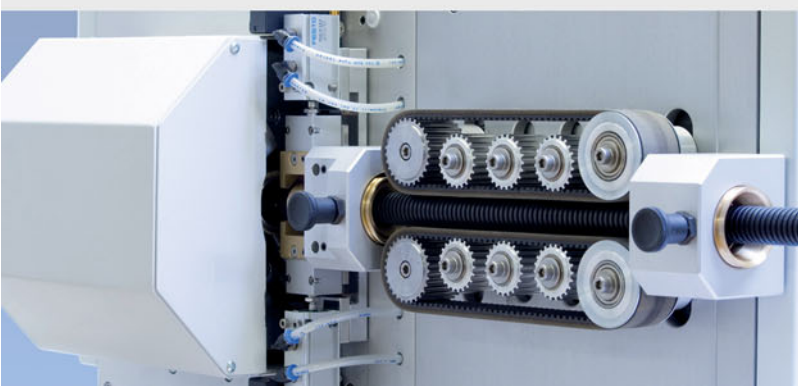
All guide components of the Metzner CT 4000 machines can be changed comfortable and quickly. The Metzner quick-change-system supports the fast change of bushings and saves your time.

## »Toothed wheel – laser system« for pre-slit tubes

The patented Metzner »Laser toothed wheel« system is the only solution available in the market to process pre-slit corrugated tube. The material specific feed wheels guarantee a form-fit and twist proof feed of the pre-slit material. The laser sensor controls the position of the feed wheels and releases the blade precisely on the crest of the ridge - with precision of repetition and up to 8000 cuts per hour.

## Outstanding productivity

The unique combination of outstanding feed speeds (90m/min (4.92 ft/s) and SM 4000 even 160m/min(8.72 ft/s)) and short cutting times makes the CT series a means of increasing productivity in your processing line. This saves on staff deployment as the production quantity is reached in shorter time.



Performance	CT 4100	CT 4150	CT 4200	SM 4000
Feeding speed	0 – 90m/min	0 – 90m/min	0 – 90m/min	0 – 160m/min
Tube diameter min.	4.5mm	4.5mm	4.5mm	4.5mm
Tube diameter max.	35mm	35mm	35mm	40mm

Features				
Cutting system	Tube cut	Tube cut	Rotary cut	„Laser & toothed wheel“
Length slitting unit	No	Yes	No	–
Feeding system	Belt feeder	Belt feeder	Belt feeder	Toothed wheel

Output				
100mm pcs./h	4200	4200	3000	8100
500mm pcs./h	3200	3200	2400	6000
1000mm pcs./h	2500	2500	2050	5160
5000mm pcs./h	900	900	840	1680

Technical data				
Electrical connection	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Connected load	1 kW	1 kW	1,5 kW	1 kW
Compressed air connection	6 bar	6 bar	6 bar	6 bar
Noise level w/o material	< 75 db(A)	< 75 db(A)	< 65 db(A)	< 75 db(A)
Dimensions (LxWxH) in mm	740 x 730 x 480 <sup>1)</sup>	740 x 730 x 480 <sup>1)</sup>	740 x 730 x 480 <sup>1)</sup>	1230 x 1150 x 1400
Weight	95 kg	100 kg	120 kg	300 kg

Bushings				
All bushings are quickly changeable. Every material diameter requires an own bushing set.				

<sup>1)</sup> There is an overall height of 680 mm due to the operator terminal. Specifications are subject to change without notice.

## Intelligent expansions

Peripheral equipment from Metzner expands your processing machine to a completely automatic processing line. Thus you save on staff deployment and also increase the efficiency of the machine.

Ask you for dereelers, feeding equipment, material stackers, coilers, marking equipment or software for your application needs.

