

# Compact. Smart. Indestructible.



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## **HET 2000**

# **thermoforming machinery**

Simple in design. Reliable in use. Our thermoforming packaging technology combines sophisticated design with long-lasting quality – for maximum efficiency in everyday production.

## **JUMBO ROLLER**

# **foil dispenser**

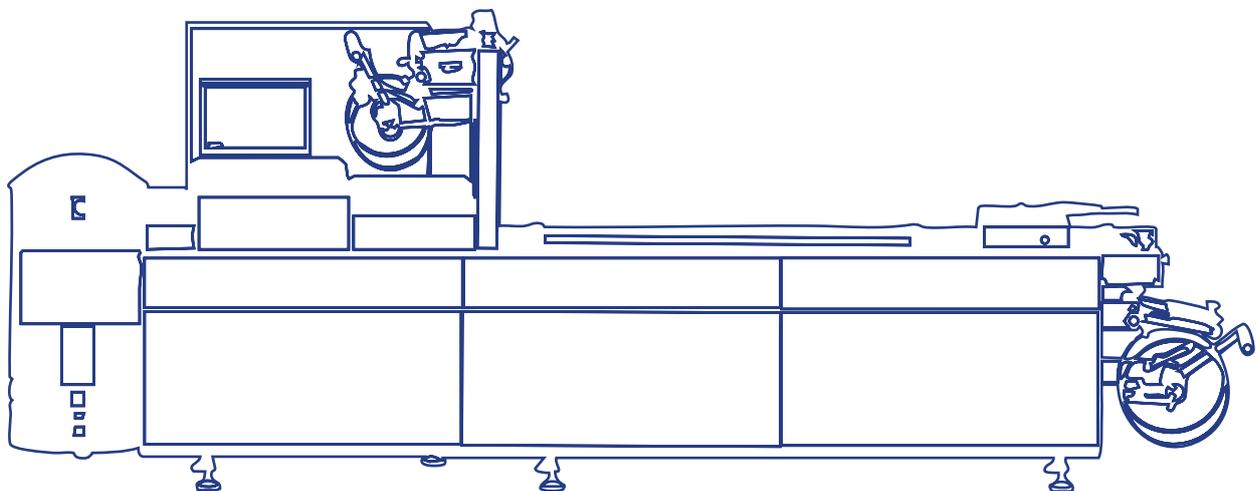
This machine represents state-of-the-art packaging technology. Developed to meet the highest standards of precision, flexibility and energy efficiency, it helps you make your processes more sustainable and economical.

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Reliability begins with  
simplicity.  
Thermoforming technology  
that impresses.

**clear. simple. consistent.**

Our thermoforming packaging machine combines  
intuitive operation with maximum process reliability.  
For consistent quality, day after day.



**HET 2000**

# Why this machine sets standards

- Simple layout and user-friendly design → Clear lines and a modular design enable quick installation, easy maintenance and short changeover times.
- High process reliability and consistent quality → Precise control and robust components ensure reproducible results – even in multi-shift operation.
- Hygienic machine design → Smooth surfaces, open construction and optimised accessibility for cleaning meet the highest hygiene standards in the food industry.
- Efficient and economical production → Energy-optimised thermoforming technology and precise material utilisation reduce operating costs and increase overall efficiency.

## HET 2000

### standard version

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Draw depth:	up to max. 100 mm
Film width:	422 mm
Cycle rate:	up to 10 cycles per minute
Vacuum device:	state-of-the-art for optimum sealing
Safety mechanisms:	hinged covers for maximum operational safety
Tools:	flexible for different packaging formats
Pump technology:	energy-efficient, low consumption with maximum performance

### Optional extensions

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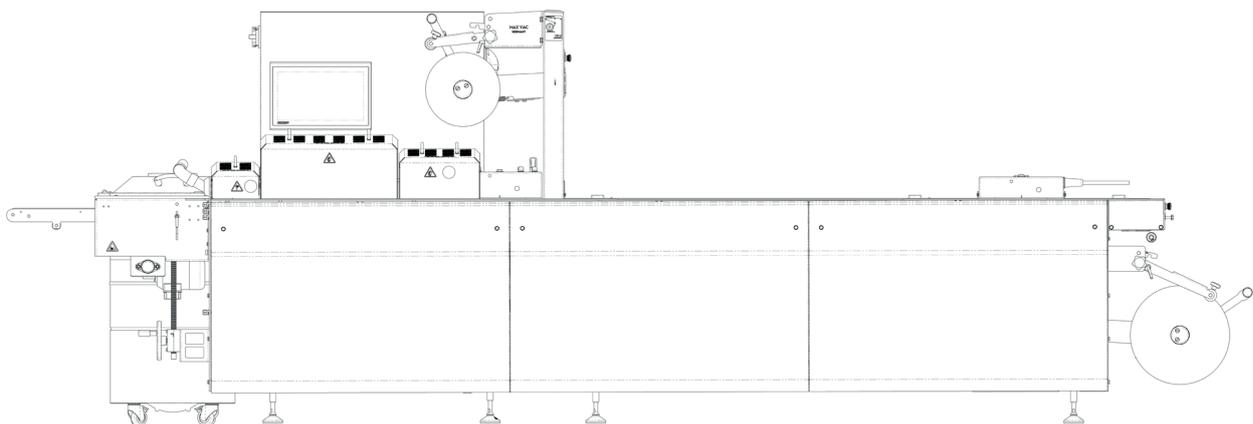
Internal vacuum (Busch vacuum pump) or central vacuum  
Liquid separator Edge strip extractor or edge strip winder  
Two or three cross separators  
Conveyor roller or conveyor belt  
Status light (indicator light)

## HET 2000

### Technical specifications

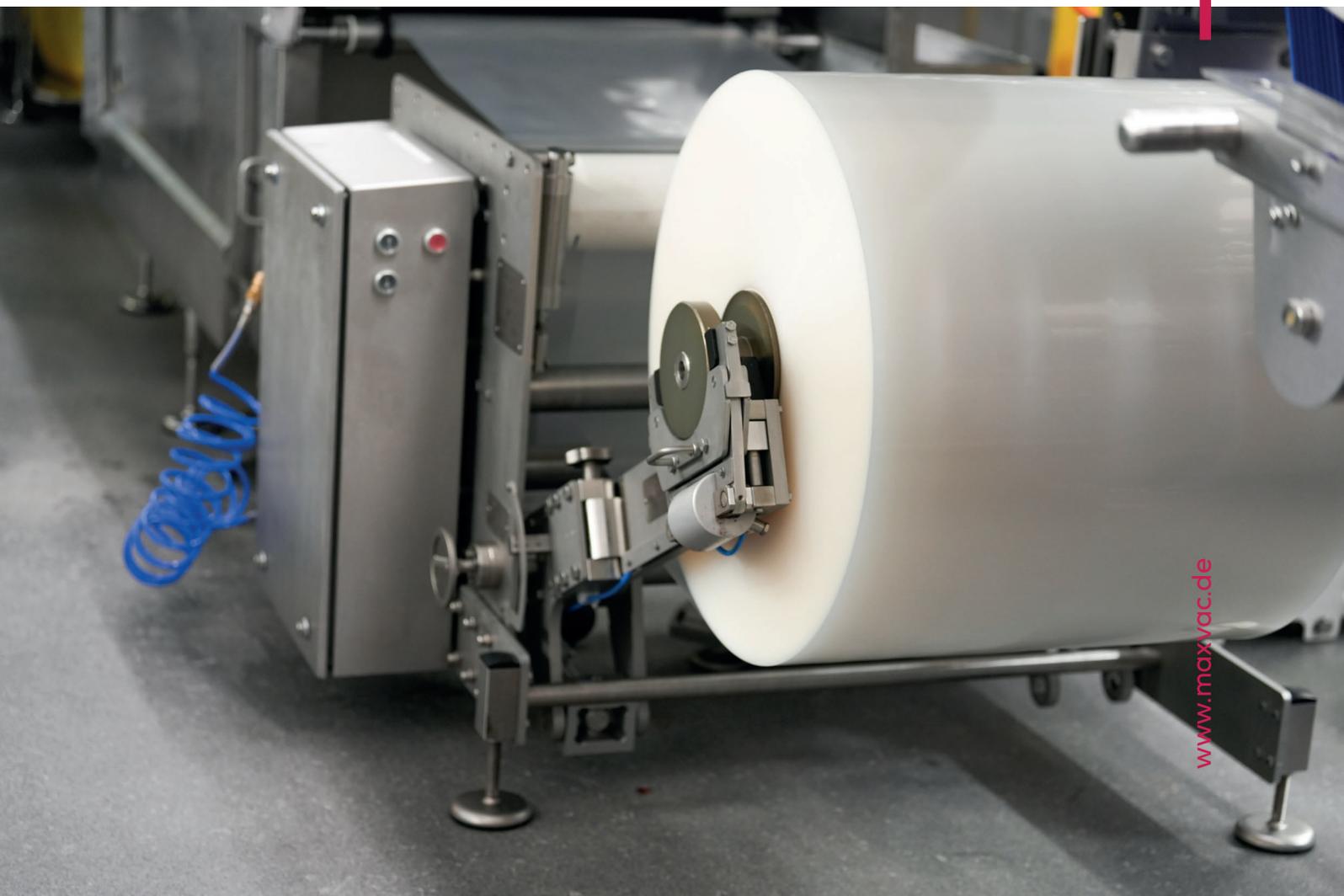
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<b>Length:</b>	4600 mm (with discharge belt 4920 / 5120 mm)
<b>Width:</b>	1200 mm (with switch cabinet open 1700 mm)
<b>Height:</b>	1800 mm Pump capacity: 60 – 160 m <sup>3</sup>
<b>Compressor pressure:</b>	6–8 bar
<b>Cooling capacity:</b>	70–120 l/h (water re cooler in circuit)
<b>Power consumption:</b>	4–6 kW
<b>Underlay film width:</b>	420 mm
<b>Cycle rate:</b>	8–10 cycles per minute
<b>Outfeed conveyor (free):</b>	320 / 520 mm



# JUMBO ROLLER

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## JUMBO ROLLER

# Why this machine sets standards

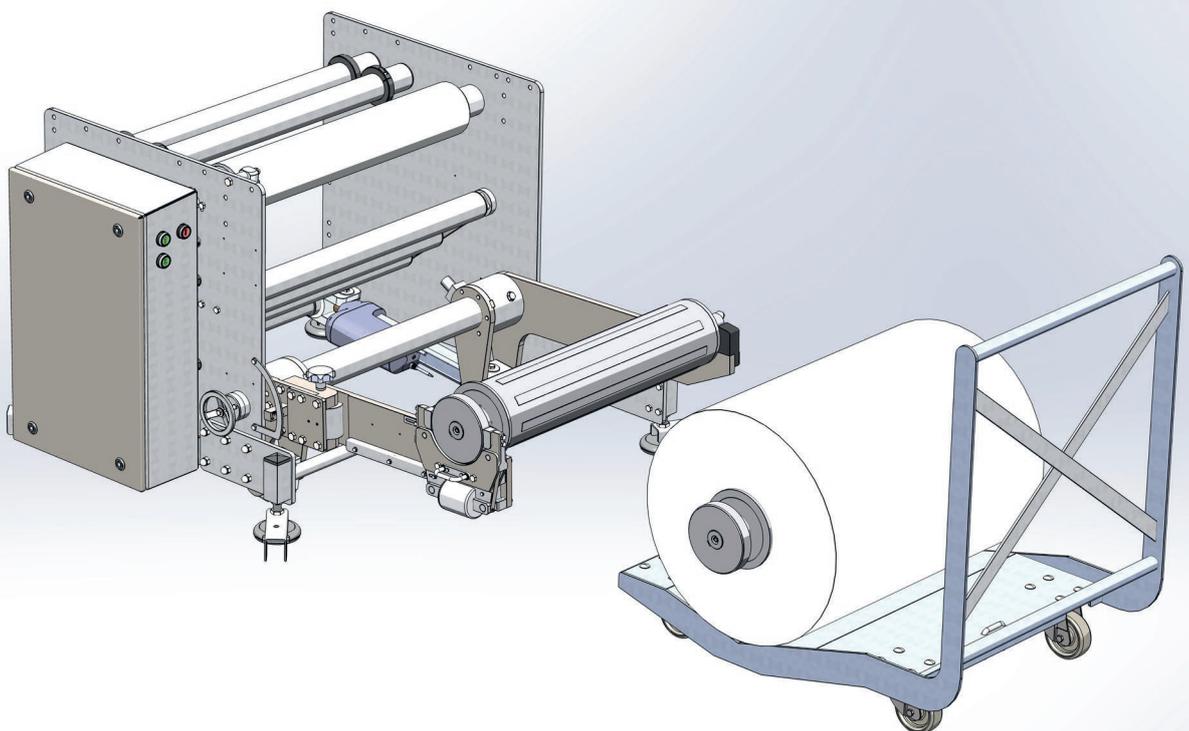
- Large film supply for uninterrupted production
- Enables temporary storage of large film rolls so that the thermoforming machine can operate continuously without downtime.
- Easy loading and handling
- Modular design and easily accessible roll holders facilitate the insertion and replacement of film rolls.
- Smooth and controlled film guidance
- Precise tension control prevents damage or wrinkling of the film, even at high speeds.
- Reliable and low maintenance
- Robust mechanics and durable components ensure stable processes and low maintenance requirements in everyday production.

## JUMBO ROLLER

### Technical specifications

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Maximum roll diameter:	1000 mm
Bottom film width:	320-660 mm
Maximum roll weight:	700 kg
Maximum pull-off length:	800 mm
Cycle rate:	Up to 15 cycles/min
Electrical connection:	230 V / 50 Hz Supply via the packaging machine
Pneumatic connection:	min 6 bar



## JUMBO ROLLER

### Performance features & options:

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- Electrically powered lifting device:
  - Single electric cylinder for rolls up to 450 kg
  - Two electric cylinders for rolls up to 700 kg (retrofitting possible)
- Pneumatic brake for the film mandrel for precise control of unwinding
- Frequency-controlled drum motor for even film unwinding
- Dancer arm with spring mechanism, optionally with pneumatic compressed air support (stainless steel cylinder)
- Film mandrel variants: pneumatic clamping mandrel for 3' or 6' cores

### Optional extensions

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- Second roll holder for processing residual quantities to reduce machine downtime
- Adhesive table for easier film connection during roll changes
- Sensory detection of the end of the film for early signalling of a roll change
- Mirrored design for flexible mounting options
- 90° deflection for specific machine layouts
- Film transport trolley for easy roll changes and transport