



Sleevematic

A machine series for all sleeve types



The proper outfit for every situation



How to dress so that it looks nice but is also practical?

A simple question – at least with regard to many consumables. Your answer: sleeves!

Flexible plastic films seamlessly adapt to the most varying container shapes and offer a lot of space for many eye-catching designs. At the same time, they prove to be especially robust in everyday life: whether rain or long transport distances, sleeves make containers look great in any situation.

We think: such a multifaceted decoration variant deserves an equally talented machine technology. Therefore, the Krones Sleeveomatic is classified into four different model variants. Shrinking, stretching, or both alternately? Small output or top-speed operation? The Sleeveomatic series provides the proper technology for each application.

All models at a glance

- Sleeveomatic M: Large output range for shrink sleeves
- Sleeveomatic TS: The turbo machine for shrink sleeves
- Sleeveomatic AF: Well-proven technology for stretch and shrink sleeves



Sleeves

What for?



Sleeve features

- Individually adapt to the container contour
- Close-fitting to the container side wall
- Fully embrace the containers
- Are applied without glue or container dryer
- Made of plastic film
- Can be recycled, depending on the film material

Obtained result

- Precise fitting even with specially shaped containers
- Pleasant surface feel
- Many options for design and text information
- Efficient with regard to energy and resource consumption
- Perfect protection from moisture and light
- Gentle use of resources

Shrinking or stretching? That's up to you!



Stretch sleeves

- Are suitable for containers with straight to substantially shaped silhouettes, depending on the sleeve type
- Can be stretched and automatically adjust to the container shape
- Can be easily removed and are thereby suitable for returnable bottles
- Consume only little material due to their elasticity

Shrink sleeves

- Also suitable for containers with strongly shaped silhouette
- Are shrunk in the steaming tunnel to closely cling to the container
- Can also be made of especially thin films
- Are suitable for flexographic, offset and gravure printing



In direct comparison

All sleeve variants



Stretch sleeves	Standard stretch sleeve	Modified stretch sleeve	
	10 %	20 %	Maximum stretching rate
	< 5 %	< 16 %	Possible variance of bottle diameters
	LDPE	LDPE	Material
Yes	Yes	Recyclability	

Shrink sleeve			
–			
< 75 %			
PET	OPS	PVC	Polyolefin
No	No	No	Yes

Saving tip

– The higher the stretching rate, the lower is the material consumption

Sleevematic M

Wide output range for shrink sleeves



Field of applications

Shrink sleeves – also special formats

Technical features

- Wide output range thanks to modular design
- Linear machine
- Electronic gap detection at the machine infeed
- Infeed worm with servo drive
- Sleeve feed via a stand-alone sleeve buffer system
- Sleeve supply unit for reel change-over without machine stop
- Height-adjustable cutting unit with sleeve conveyor
- Integral control cabinet, ready for connection

M: Modular | **MD:** Modular, Dual

Output

- **Sleevematic M1:** Up to 27,000 containers per hour
- **Sleevematic MD2:** Up to 54,000 containers per hour



Sleevematic M

Method of operation



- The infeed worm separates arriving containers and transmits them to the conveyor.
- The sleeve is unwound from the reel by four feed rollers and fed to the cutting unit via the sleeve supply unit.
- At the sleeve applicator, the flat sleeve is drawn over a mandrel and spread.
- A servo-controlled cutting unit precisely cuts off the open sleeve according to the selected length.
- Two servo-controlled rollers accelerate the cut-off sleeve and apply it onto the container.
- The downstream positioning unit ensures that the sleeve is exactly positioned.
- In the steaming tunnel, the sleeves are shaped perfectly around the container contour.



Sleevematic M

Benefits to you



Short change-over times

The Sleevematic M can be changed to other formats within minimum time.

High-precision sleeve application

The servo-controlled cutting unit grants exact cutting lengths. The belt station can exactly be adjusted in millimetres and thereby ensures infinitely variable adjustment of the sleeve height on the container.

Hygienic design

The machine base frame is completely made of stainless steel. The container handling parts are of open design and therefore easily cleaned.

M: Modular



Request new machine

You can easily send a request for a non-binding quotation in our [Krones.shop](#).

Sleevematic TS

The Turbo machine for shrink sleeves



Field of applications

High-speed processing of shrink sleeves

Technical feature – main machine

- At the push of a button, the contact pressure of the feed rollers is adjusted via pneumatic cylinders.
- Sleeves are conveyed without slippage via servo-motor-driven rollers.
- The new sleeve perforator exactly separates the cut off sleeves.
- No replacement of knives required for type change-overs.
- An integrated climbing aid for operators enables the ergonomic replacement of handling parts.
- The infeed worms are stored directly in the machine and therefore ready for use at any time.

TS: Top Speed

Technical features – sleeve buffer system

- Stand-alone and can therefore be individually positioned
- Capacity for two sleeve reels with a total of approx. 4,000 m of film



Sleevematic TS

Method of operation

The Sleevematic TS uses a completely new cutting method. Unlike at other machines, the Sleevematic TS cuts the sleeves in an ongoing movement and not in cycles with a stop-and-go operation.

- It sleeves up to 50,000 containers per hour with only one labelling station
- It applies sleeves with micro perforation
- It employs rotating perforating blades
- It works continuously without any cycles



TS: Top Speed

Sleevematic TS

Benefits to you



Thanks to rotary cutters which perforate the film sleeve continuously instead of in clock pulses, the Sleevematic TS can process 50,000 containers per hour. The highly precise perforating blades ensure a straight cut even at high speed.


A set of perforating blades can perform 70 million cuts before it wears out. Conventional cutting units can only master a tenth of this.

No replacement of knives required for type change-overs.

Owing to the fact, that the rotating perforating blades are operating regardless of the format, the Sleevematic TS requires significantly less handling parts than all other sleeving systems.



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TS: Top Speed

Sleevematic AF

Proven technology for stretch and shrink sleeves



Field of applications

- Stretch sleeves with a stretching rate of up to 15 percent
- Shrink sleeves

Technical features

- Rotary machine
- Depending on the required output, available as single or double carousel variant
- Electronic cap inspection and gap detection at the machine infeed
- Infeed worm with overload clutch
- Feeding of sleeves from two sleeve reels
- Sleeve supply unit for reel change-over
- Height-adjustable cutting unit with sleeve conveyor
- Electronic container counter
- Integral control cabinet, ready for connection
- Central lubrication points

AF: Applicator Fork



Sleevematic AF

Method of operation



- The sleeve film is unwound from the reel via feed rollers and conveyed to the cutting unit,
- where the sleeve film is opened by pulling it over a mandrel.
- Several servo-controlled cutters cut the sleeves exactly to the set length.
- The application fork pulls the sleeves over the containers to their final position.
- While the application fork is lowered, a gripper holds the sleeve and the container tightly in place.
- To prevent the sleeve from slipping, the gripper remains closed until the container has been transferred to the discharge starwheel.



AF: Applicator Fork

Sleevematic AF

Benefits to you



Long-life design

The rugged mechanical design makes sure that the Sleevematic AF provides a high operational reliability and a long service life.

Precise operation

The cam-controlled application fork reliably transmits the sleeve label onto the container. Even humidity and moisture do not affect machine operation: In any case, it ensures perfectly fitting sleeves.

Uncomplicated and flexible technology

The machine is suitable for handling different sleeve lengths and diameters. It can be easily cleaned and provides optimum access and is therefore user-friendly in day-to-day operation.

AF: Applicator Fork



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Optional components



Checkmat inspector

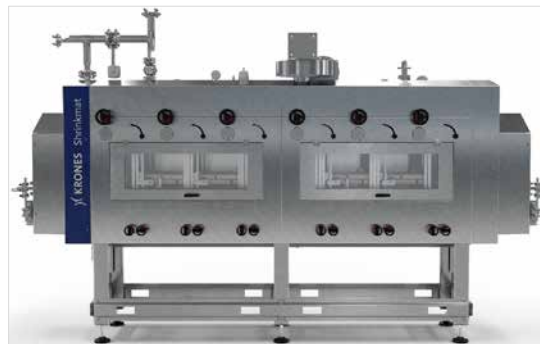
- Individual selection of the inspection performances, e.g. splicing point detection, sleeve position, etc.
- High production safety thanks to automatic rejection of faulty containers
- Transparent production due to comprehensive inspection statistics
- Inspection of different containers without manual adjustment
- Automatic data exchange with the Sleevematic

Coding/dating device

- Available as an ink-jet coding/dating device or laser printer
- Already prepared for signal exchange with Sleevematic prior to delivery

Shrinkmat steaming tunnel

- Thanks to its adjustable nozzles bars, it ensures a reproducible shrinking result
- Prepared for a quick installation for the connection to a steam supply system provided by the customer
- Can be equipped with transparent doors for a better view into the machine



Optional components



Linadry dryer

- High-quality stainless steel version
- Up to 20 percent saving of energy via frequency-controlled blowers with minimised consumption
- Visualisation, control and monitoring via the Sleevematic TS touch-screen
- Noise-reduced operation with maximally 83 dB as an option
- Optional automatic cleaning system



Sleeve magazine Multireel S

- Keeps six or eight film reels in storage
- Operates up to eight hours without any operator interference
- Enables film reel splicing while the Sleevematic operates at rated speed



Optional components



Spraying system

- Increases the gliding properties of the sleeves on the bottle
- Compensates deviations of the material properties of the bottles

Remote Service

Professional assistance around the clock: With the remote service platform GRS (Global Remote Service), a Krones expert can log on to your machine via a safe internet connection, in order to, for instance:

- optimise your settings.
- adjust new types.
- train the production/operator staff.



Everything from a single source



Training sessions at the Krones Academy – trained personnel for an increased efficiency of your line

The multifaceted offer by the Krones Academy ranges from operation, servicing and maintenance courses through to management training. We will gladly also create your individual training programme.

Krones Lifecycle Service – Partner for Performance

It goes without saying that also after the purchase of new machines, Krones takes care of your lines: The Krones LCS experts are always there to help you reaching your goals and turn your wishes into optimal LCS solutions.

KIC Krones cleaning agents make your machine shine

Only if the production environment is immaculate, can your product be brilliant. KIC Krones provides you with the optimum cleaning agents and disinfectants for each individual production step.

KIC Krones lubricants for each production step

Whether for gears, chains or central lubrication systems – our greases and oils are true all-round talents. They can reach every lubrication point, protect your line and ensure gentle treatment for your products thanks to their food-grade quality.

**SOLUTIONS
BEYOND
TOMORROW**

