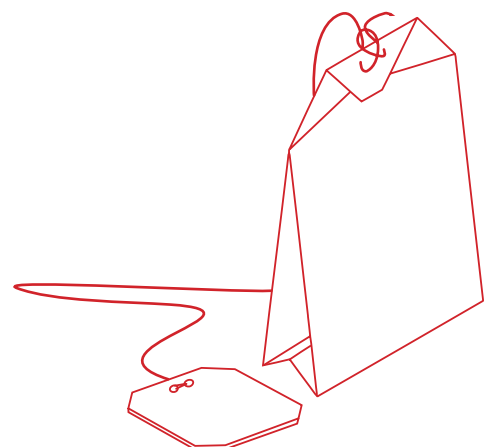


# PERFECTA



TEA BAG PACKAGING MACHINE



**TEEPACK**

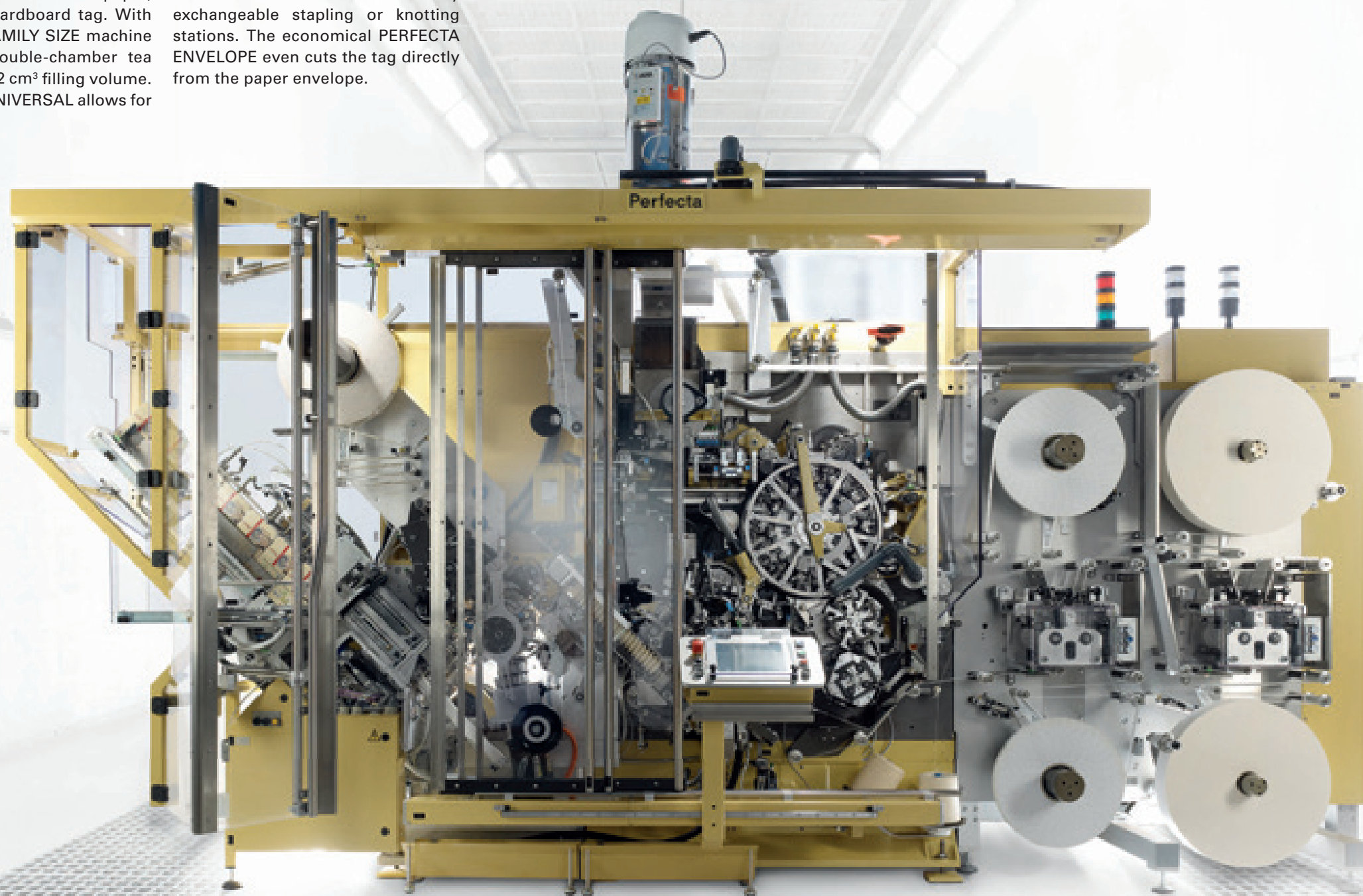
wrap your brand in quality

# THE ADVANCED TEA BAG MACHINE SYSTEM PERFECTA

## HIGH PERFORMANCE MEETS FLEXIBILITY

PERFECTA TAG is the perfect system for making double-chamber tea bags with natural non-heat seal filter paper, a thread and a cardboard tag. With the PERFECTA FAMILY SIZE machine you can pack double-chamber tea bags with up to 22 cm<sup>3</sup> filling volume. The PERFECTA UNIVERSAL allows for

dual production of both paper or heat sealing foil bags on a single machine. All PERFECTA models come with easily exchangeable stapling or knotting stations. The economical PERFECTA ENVELOPE even cuts the tag directly from the paper envelope.



## Increase your efficiency while reducing costs

- Lower production costs
- German premium quality and perfection
- Reliability
- Flexibility
- Superior safety standards
- High production efficiency
- Time saving exchange of packaging materials

## Rely on our innovative technology for premium quality products

- Shorter maintenance times
- Less staff required
- Quick format changes
- Low spare parts consumption
- Longer maintenance intervals
- Modular construction

# PERFECTA TAG

## ENHANCED EFFICIENCY AND PRODUCTIVITY

This machine produces double-chamber tea bags with a thread and tag. Its natural filter paper is not coated with chemical hot glue to preserve the taste of your tea – protecting the natural tea aroma from harmful influences. The tag features a unique “thread safety”

design which fixes the thread into a slot at the lower edge of the tag. This ensures that the threads and tags do not get tangled inside the tea bag box during transit. According to customer requirements, we can cut the cardboard tags with straight edges or cropped corners.



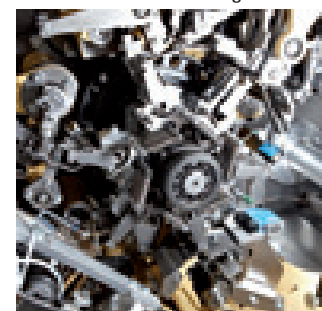
Dosing station with dust exhaust device and filter paper tube forming station\*



The “heart” of the PERFECTA machine. Continuous working transport wheel with the stations forming the filter paper bag\*



Filter paper tea bag forming – bottom and head folding



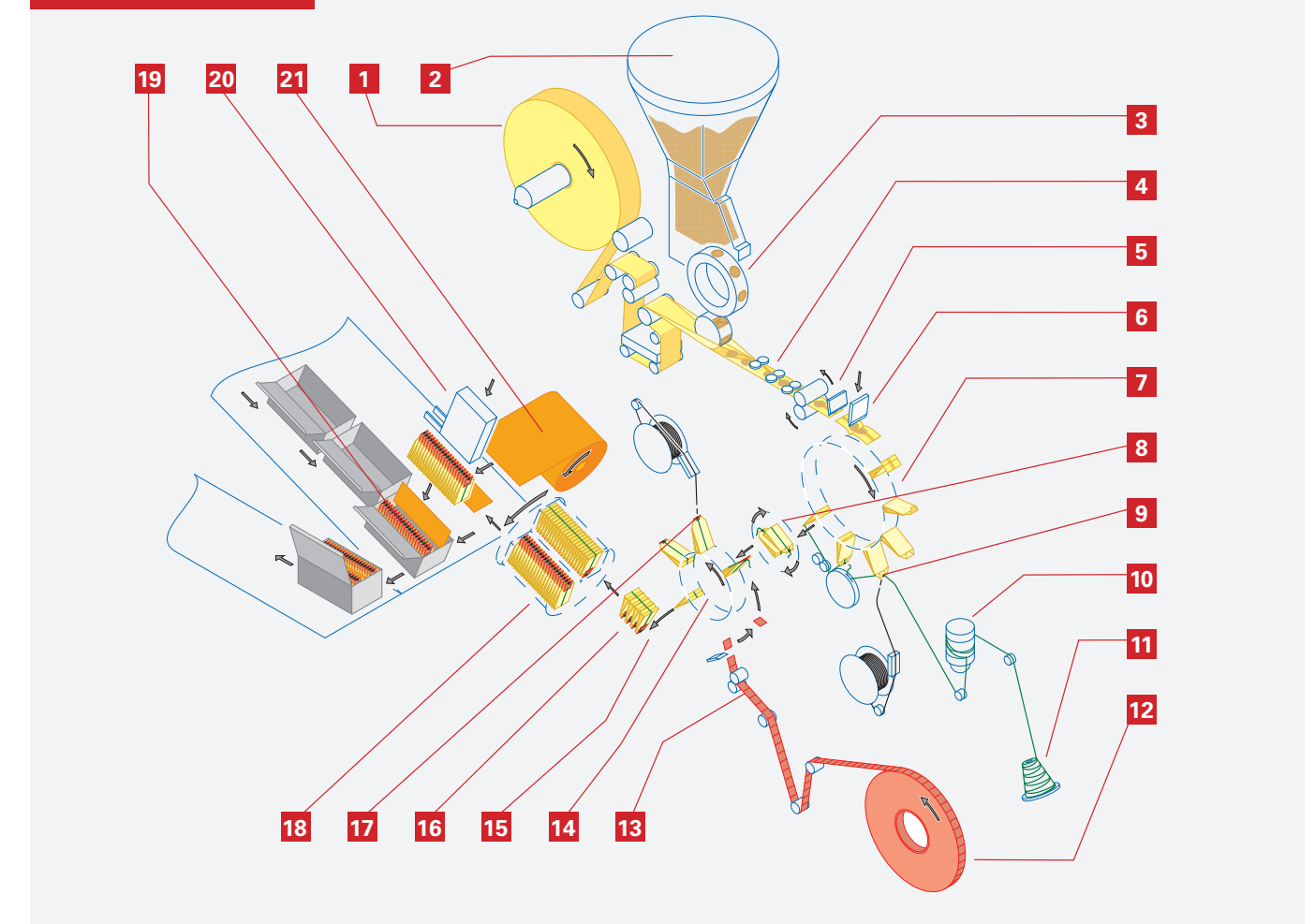
Final station of tea bag manufacture. Attachment of thread and cardboard tag.

\* Standard for all PERFECTA models

## THE BENEFITS

- Capacity of up to 420 bags/min.
- Available as stapling or knotting machine
- Exchangeable knotting and stapling stations
- Faulty bag ejection
- Motor operated bag weight adjusting mechanism
- Computer controlled weight checker for full boxes (optional)
- Cardboard divider strip from reel (optional)
- Flavour dosing device (optional)
- Servo-controlled tag corner punching station (optional)
- Automatic splicer (optional)

### PERFECTA TAG – DETAILS



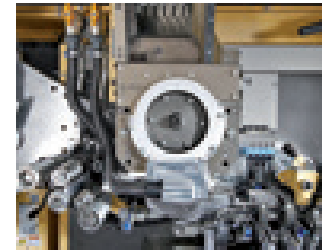
- |                     |  |   |
|---------------------|--|---|
| 1 Filter paper reel | 9 Bag head stapling respectively head knotting station | 16 Bag stacking and counting                                      |
| 2 Tea feeding       | 10 Thread regulating wheel (Fournisseur)               | 17 Tag stapling or tag knotting station                           |
| 3 Dosing            | 11 Cotton thread cone                                  | 18 Turning magazine   |
| 4 Tube forming      | 12 Cardboard tag reel                                  | 19 Stacking and inserting of cardboard divider strip into the box |
| 5 Tube knife        | 13 Tag unwinding and cutting                           | 20 Box filling  |
| 6 Bottom folding    | 14 Lower transport wheel (Tag Type)                    | 21 Cardboard divider strip reel                                   |
| 7 Head folding      | 15 Faulty bag ejection                                 |   |
| 8 Reversing wheel   |  |   |

# PERFECTA FAMILY SIZE

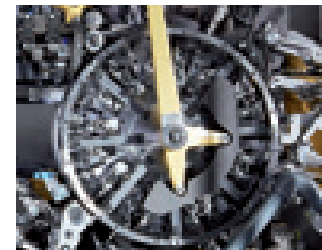
## ADVANCED DESIGN FOR MAXIMUM QUALITY FAMILY SIZE PACKAGING

The PERFECTA FAMILY SIZE machine has been designed to deliver maximum quality XL double-chamber tea bags with a thread and cardboard tag. It features all the advantages of the PERFECTA TAG machine, allowing for the manufacturing of bags with natural non-heat seal

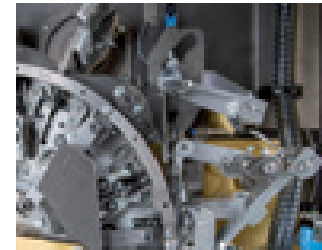
filter paper using a variety of tag sizes. However, with the FAMILY SIZE model you can fill double-chamber tea bags with up to seven grams of black tea with a production speed of up to 250 bags per minute for the latest trends in ice tea, and cold or hot brew tea specialties.



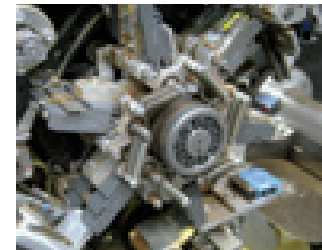
Dosing station with dust exhaust device and filter paper tube forming station



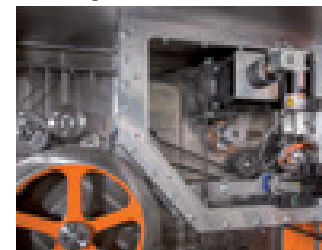
The "heart" of the PERFECTA machine. Continuous working transport wheel with the stations forming the filter paper bag



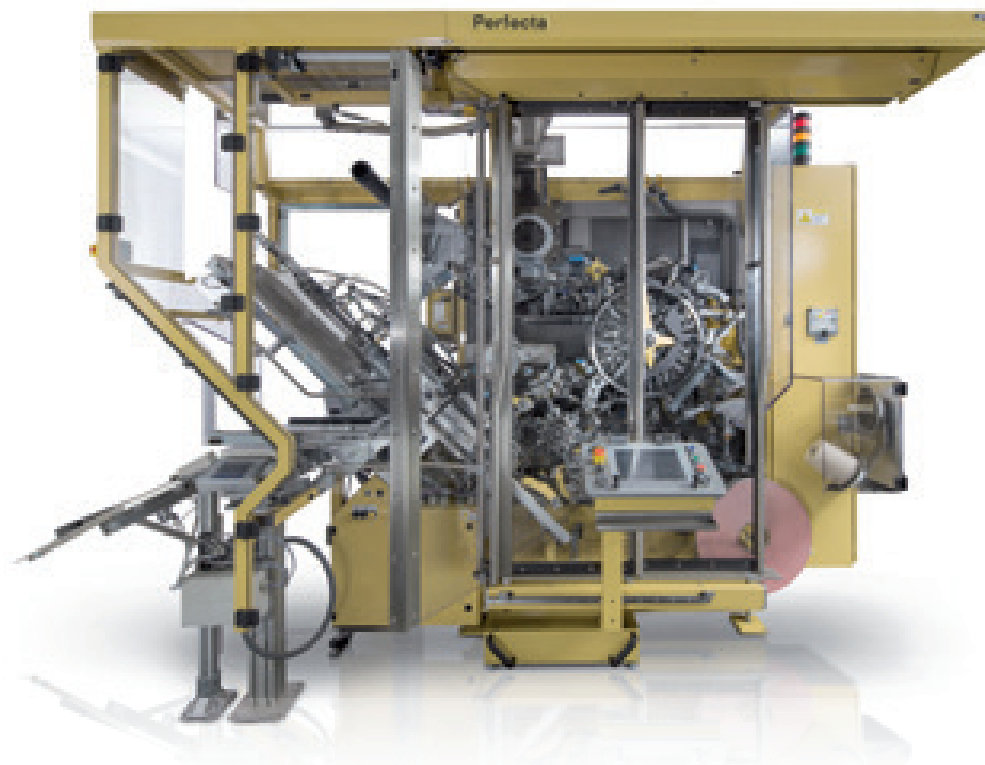
Filter paper tea bag forming - bottom and head folding



Final station of tea bag manufacture. Attachment of thread and cardboard tag.



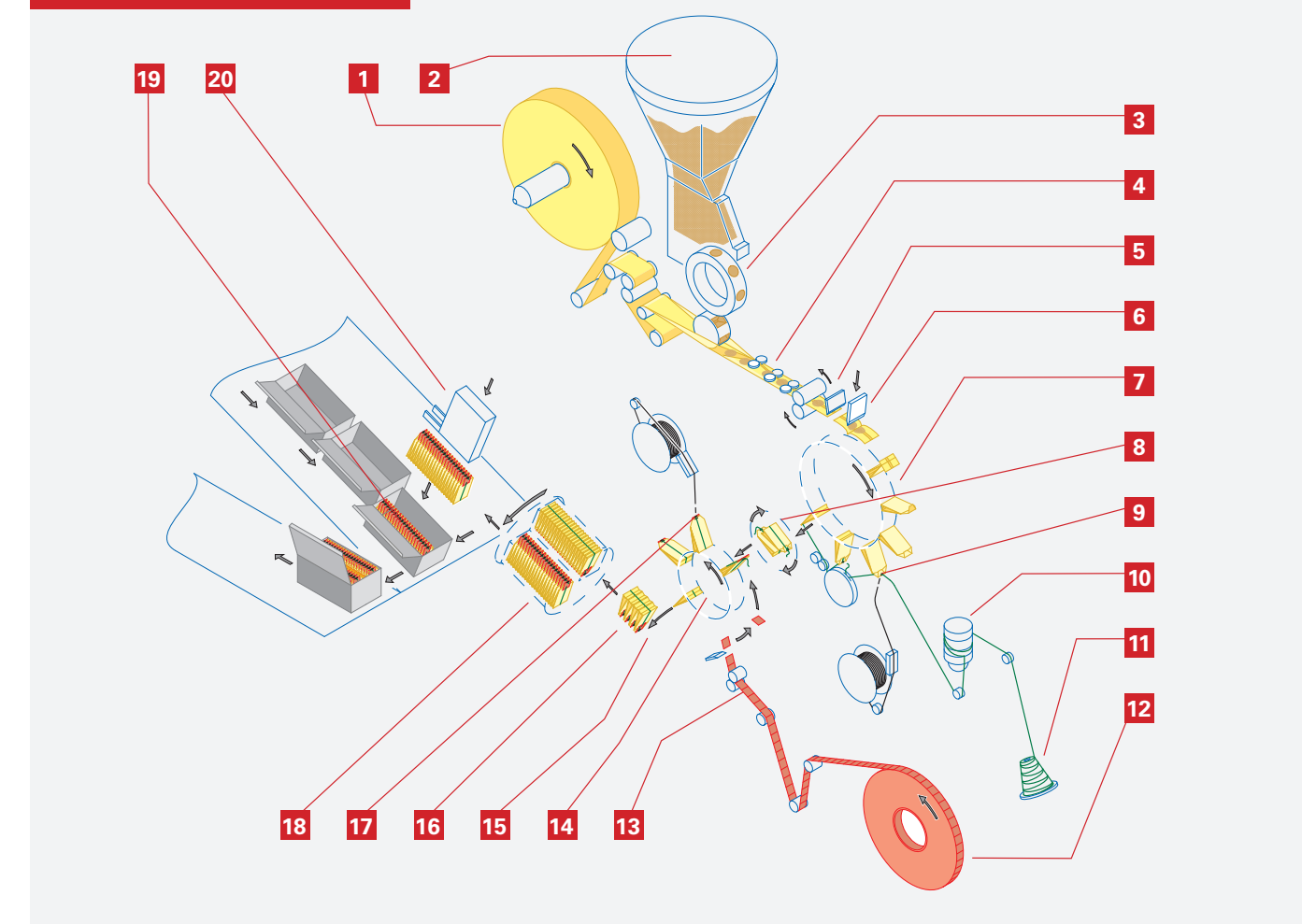
Drive, drive for filter paper and dosing. Motor operated bag weight adjusting mechanism



## THE BENEFITS

- Filling volume of up to 22 cm<sup>3</sup>
- Capacity of up to 250 bags/min.
- Available as stapling or knotting machine
- Faulty bag ejection
- Low filter paper consumption
- Motor operated bag weight adjusting mechanism
- Quicker and easier exchanging of the dosing device
- Computer controlled weight checker for full boxes (optional)
- Servo-controlled tag corner punching station (optional)

### PERFECTA FAMILY SIZE - DETAILS



- |                     |  |  |
|---------------------|--|--|
| 1 Filter paper reel | 9 Bag head stapling station              | 17 Tag stapling                        |
| 2 Tea feeding       | 10 Thread regulating wheel (Fournisseur) | 18 Turning magazine                    |
| 3 Dosing            | 11 Cotton thread cone                    | 19 Stacking and inserting into the box |
| 4 Tube forming      | 12 Cardboard tag reel                    | 20 Box filling                         |
| 5 Tube knife        | 13 Tag unwinding and cutting             |  |
| 6 Bottom folding    | 14 Lower transport wheel (Tag Type)      |  |
| 7 Head folding      | 15 Faulty bag ejection                   |  |
| 8 Reversing wheel   | 16 Bag stacking and counting             |  |

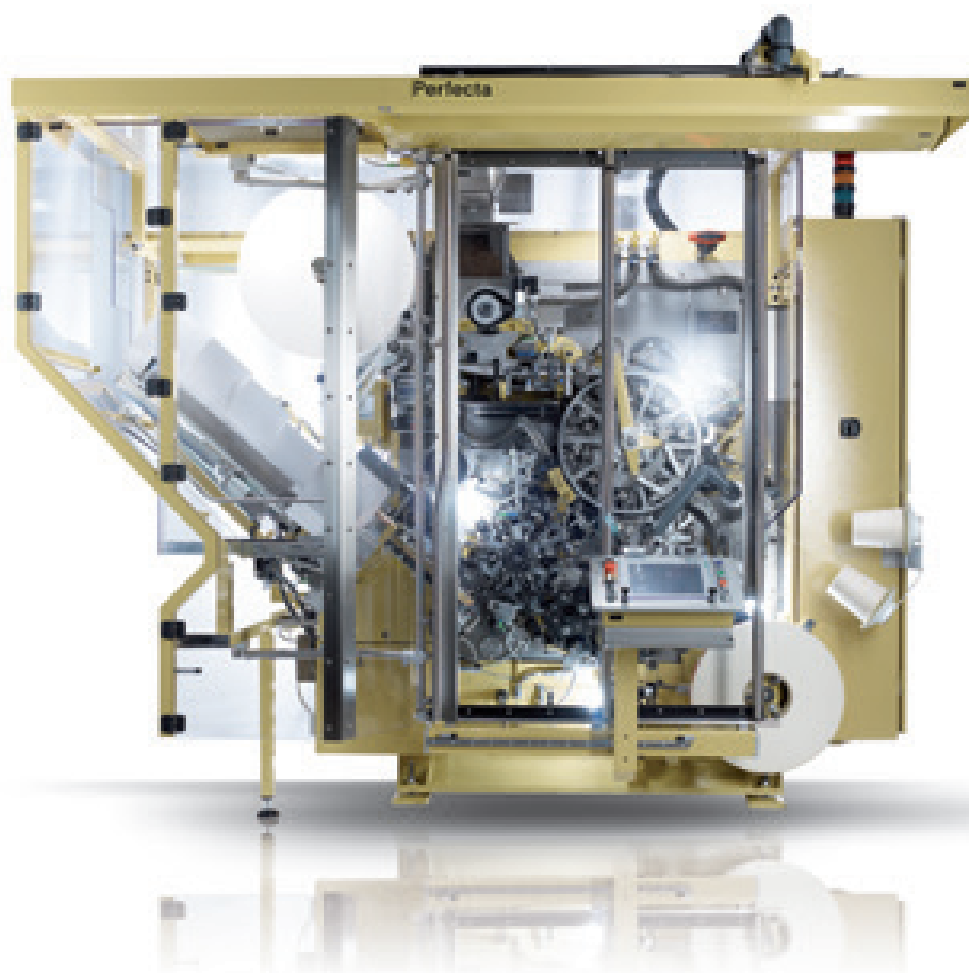


# PERFECTA ENVELOPE

## HIGHLY ECONOMICAL DUE TO A UNIQUE TAG CUTTING DESIGN

The PERFECTA ENVELOPE manufactures double-chamber tea bags in a protective paper envelope. Its unique envelope bag is the only one which does not require the production of an additional tag,

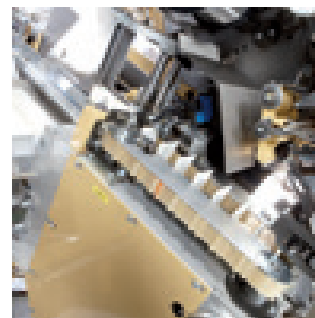
as the tag is cut from the paper envelope itself. With respect to the entire lifespan of the machine, this results in an enormous long-term cost savings.



Feeding of paper envelope



Lower transport wheel (envelope)



Bag stacking and box filling

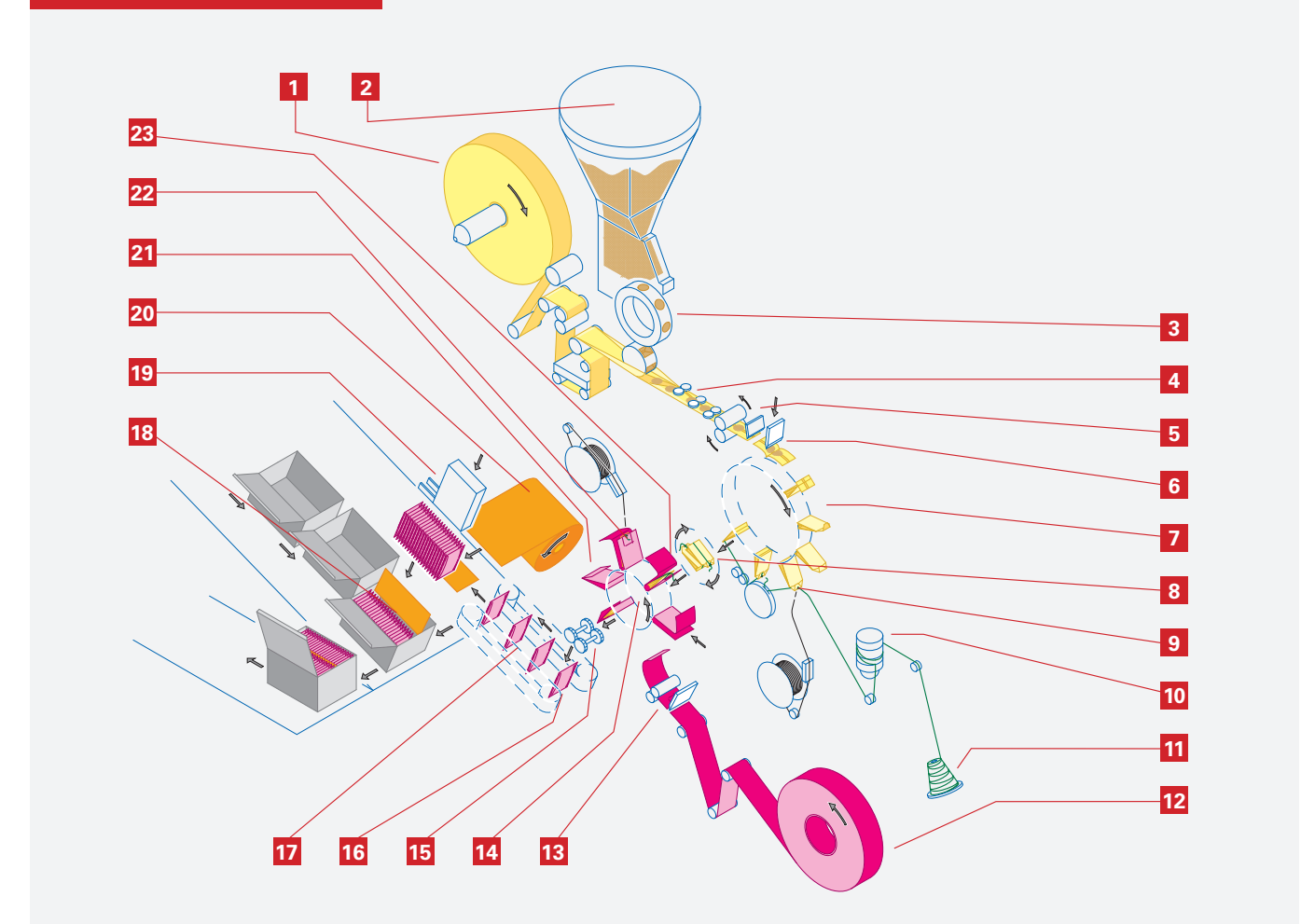


Cardboard divider strip reel and cardboard divider inserter

## THE BENEFITS

- Cost saving (paper tag cut from the paper envelope)
- Available as a stapling or knotting machine (tea bag head with knot, paper tag with staple)
- Faulty bag ejection
- Motor operated bag weight adjusting mechanism
- Motor operated bag weight adjusting mechanism
- Computer controlled weight checker for full boxes (optional)
- Cardboard divider strip from reel (optional)
- Flavour dosing device (optional)
- Automatic splicer (optional)

### PERFECTA ENVELOPE – DETAILS



- |                     |  |  |
|---------------------|--|--|
| 1 Filter paper reel | 9 Bag head stapling respectively head knotting station | 17 Envelope bag stacking and counting                              |
| 2 Tea feeding       | 10 Thread regulating wheel (Fournisseur)               | 18 Stacking and inserting of card board divider strip into the box |
| 3 Dosing            | 11 Cotton thread cone                                  | 19 Box filling   |
| 4 Tube forming      | 12 Envelope paper reel                                 | 20 Cardboard divider strip reel                                    |
| 5 Tube knife        | 13 Envelope unwinding and cutting                      | 21 Reversing of the closing flap                                   |
| 6 Bottom folding    | 14 Lower transport wheel (Envelope Type)               | 22 Tag stapling  |
| 7 Head folding      | 15 Bag take off and crimping station                   | 23 Pushing of filter bag into the outer envelope                   |
| 8 Reversing wheel   | 16 Faulty bag ejection                                 |  |

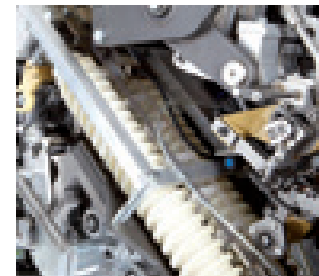
# PERFECTA UNIVERSAL

## MODULAR DESIGN FOR MAXIMUM FLEXIBILITY AND CAPACITY - UP TO 380 BAGS PER MINUTE

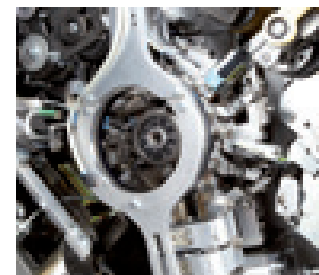
The PERFECTA UNIVERSAL produces three types of double-chamber tea bags with a cardboard tag. The naked filter tea bag can be wrapped either with an outer paper envelope or an aroma protection envelope foil. Retrofitting to the two enveloping options is easy. Simply activate or deactivate the envelope feeder and exchange a few easy-to-handle formatting components in the cartoning device. The basic machine is a PERFECTA for tag type tea bags.

### Functions

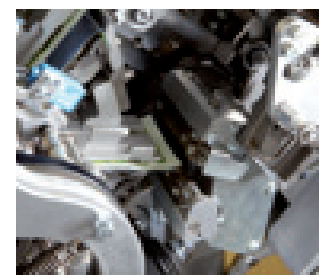
After finishing the tea bag with a cardboard tag, the bag is fed into a universal transport wheel where the tag type bag is wrapped into an outer paper envelope or aroma protected envelope foil. The finished tea bag is then transported to an automatic universal box filling station capable of handling all three types of bags. The envelope aggregate, as well as the box filling device are fitted at the left side of the PERFECTA basic machine.



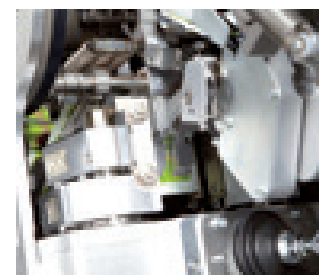
Spiral conveyor



Transport wheel (Universal)



Sealing jaws (heatseal envelope)



Sealing jaws (heatseal envelope)



Bag stacking and cartoning



Cardboard tag stapled



Cardboard tag knotted



Filter bag knotted



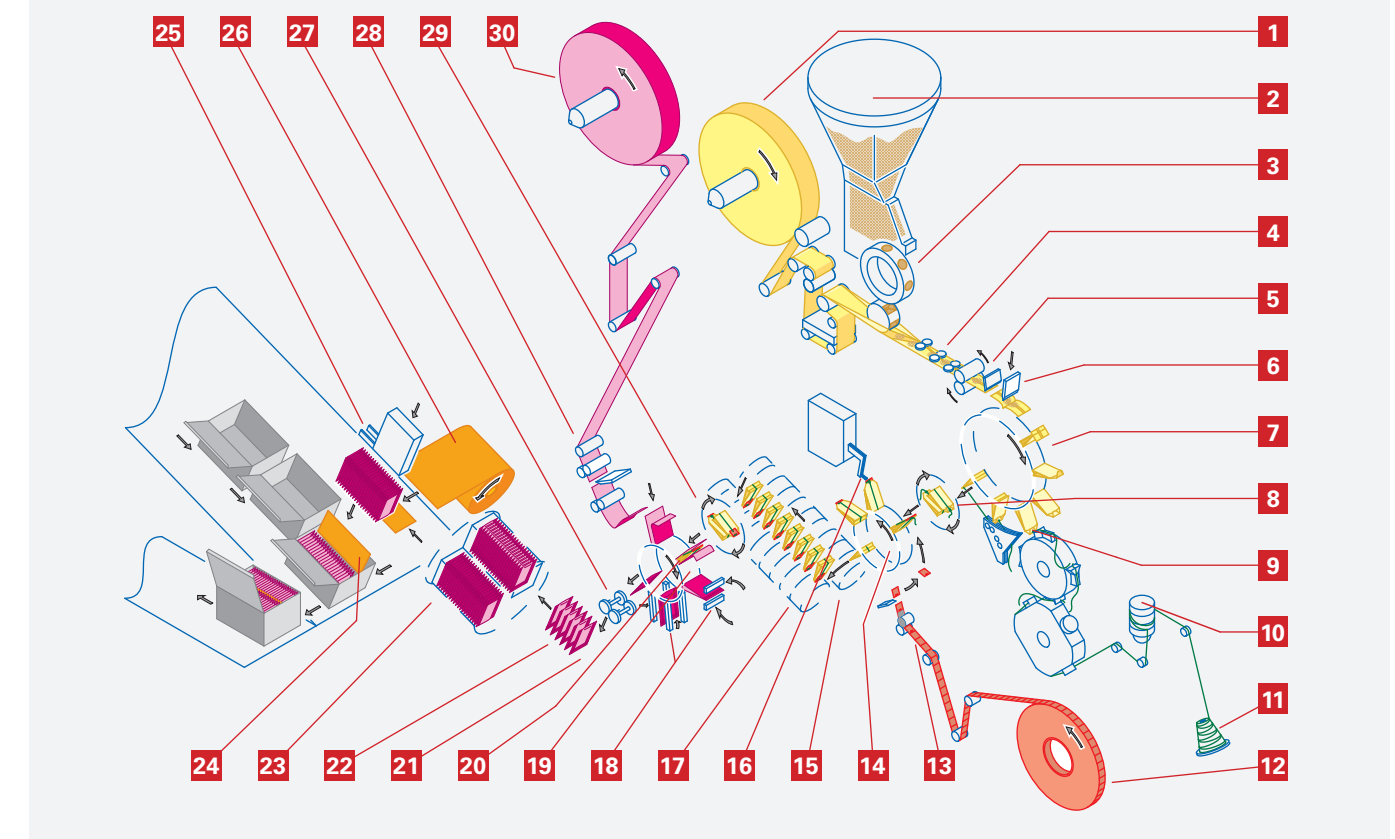
Filter bag stapled



## THE BENEFITS

- Production speed up to 380 bags and up to 350 bags per minute with HS foil
- Flexible production, can be quickly converted from naked bag to envelope production and vice versa
- Hard tag in the envelope (smallest tag size available: 20x24 mm)
- Flavour dosing device (optional)
- Automatic splicer (optional)
- Tea bag with cardboard tag and aluminium staple/knotted thread (with paper envelope or aroma protection foil)
- Manufacturing options for 3 bag types (naked bag, paper envelope or heat seal envelope)
- Knotting or stapling machine (reversible configuration)

### PERFECTA UNIVERSAL - DETAILS



- |  |   |  |
|--|---|--|
| 1 Filter paper reel                                    | 12 Cardboard tag reel   | 23 Turning magazine  |
| 2 Tea feeding  | 13 Cardboard tag unwinding and cutting  | 24 Stacking and inserting of card board divider strip into the box                 |
| 3 Dosing   | 14 Lower transport wheel (Tag Type)   | 25 Box filling   |
| 4 Tube forming   | 15 Faulty bag ejection  | 26 Cardboard divider strip reel  |
| 5 Tube knife   | 16 Tag stapling or tag knotting station   | 27 Bag take off and crimping station   |
| 6 Bottom folding                                       | 17 Bag feeding (spiral conveyor)  | 28 Feeding station and cutting of paper envelope or aroma protection envelope foil |
| 7 Head folding   | 18 Sealing jaws with tear-off knife   | 29 Reversing wheel   |
| 8 Reversing wheel                                      | 19 Transport wheel (Universal)  | 30 Paper envelope reel or aroma protection envelope foil reel                      |
| 9 Bag head stapling respectively head knotting station | 20 Pushing of filter bag into outer envelope paper or aroma protected envelope foil |  |
| 10 Thread regulating wheel (Fournisseur)               | 21 Faulty bag ejection  |  |
| 11 Cotton thread cone                                  | 22 Bag stacking and counting  |  |

# A PATENTED LINKAGE

## THE BENEFITS

### KNOT ON THE BAG

The thread is knotted securely to the top of the bag by two needle stitches to the left and right of the longitudinal seam in a patented procedure. The knot replaces the function of the staple by fixing the inner folds with two stitches and reliably closing the top of the tea bag.

The knot is self-tightening and therefore cannot become loose. The station works in a continuous process. The movements run slowly and the needles are protected against wear. The knotted thread is tightened at the end of the process by a thread brake. A 100% knot check is performed at this stage. Faulty bags are ejected.

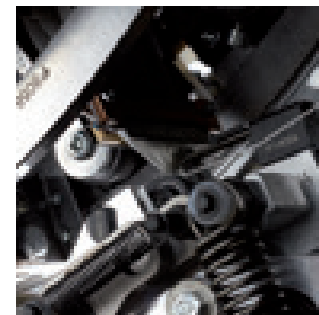
The same double chamber bag is produced here as on any PERFECTA machine – the two knotting stations simply replace the two stapling stations.

### KNOT ON THE TAG

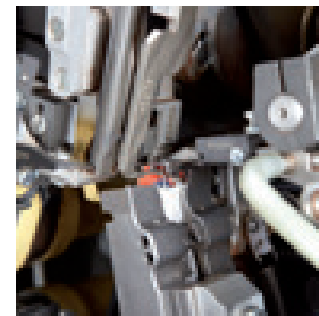
The knot is formed between two holes punched before-hand in the cardboard tags in a patented procedure. The holes are cleanly punched out by an apparatus installed in the tag feed. As well as giving a neat optical impression, the holes serve to relieve wear on the needles which do not need to pierce the hard tag. The knot is self-tightening. A sensor monitors the position of the bag and the tag before reaching the knotting station. If the positions are incorrect, the knotting device swings out of its operating position for one cycle and then back in again, allowing the faulty bag to pass through without knotting, which protects the extremely precise components. A thread monitor checks whether the knots have been formed. A bag detected as being faulty is blown out by the faulty bag ejection station.



Sectional view of the knotting station (bag) BG-D60



Sectional view of the knotting station (bag) BG-D60



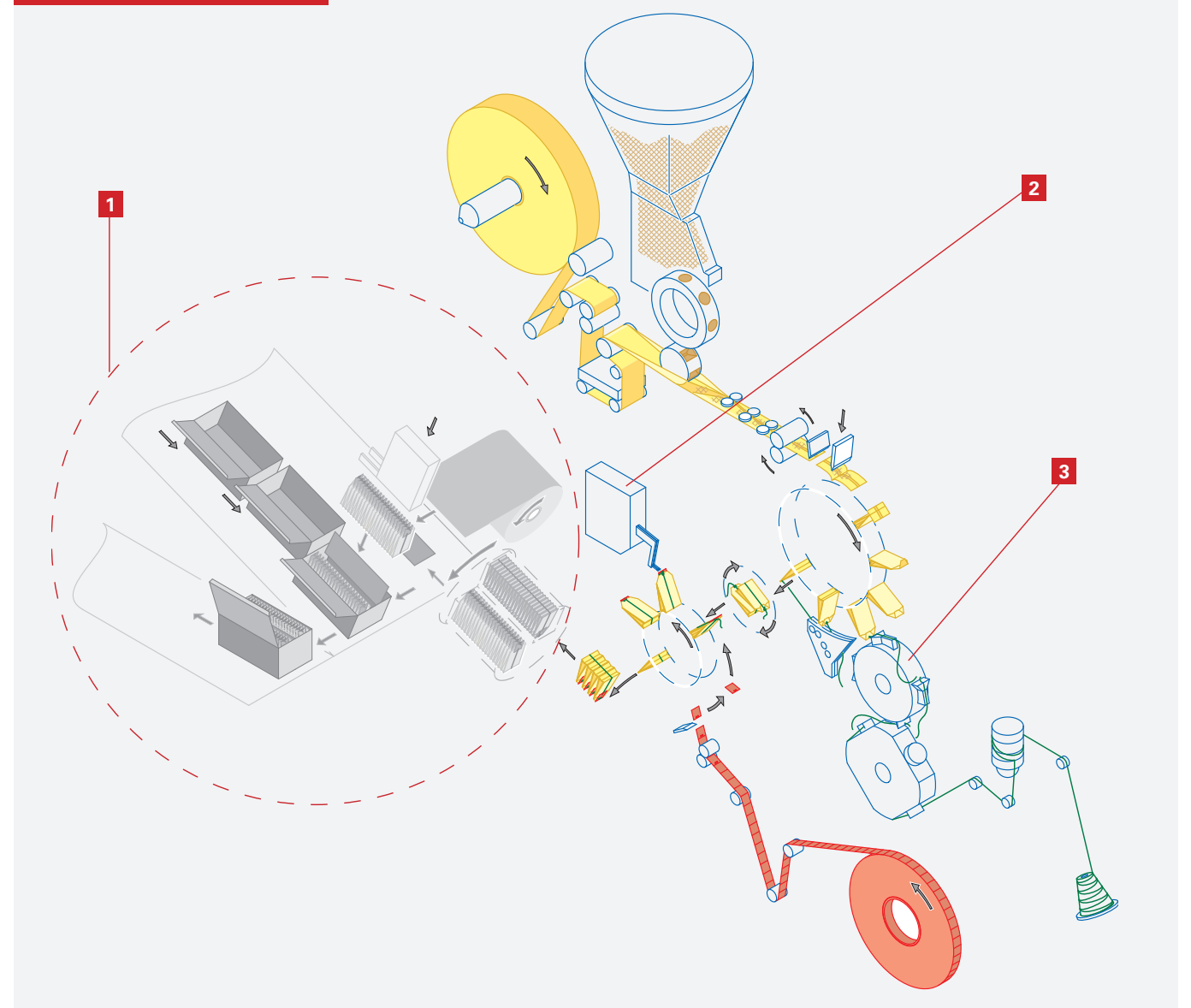
Sectional view of the knotting station (tag) BG-D62



Sectional view of the knotting station (tag) BG-D62

- No aluminium staples
- The bag head is reliably secured with two needle stitches
- Complete and reliable knot control on the bag
- Optically attractive knot connection on the tag due to pre-punched knotting holes
- Self-tightening knots – the thread cannot detach from the bag

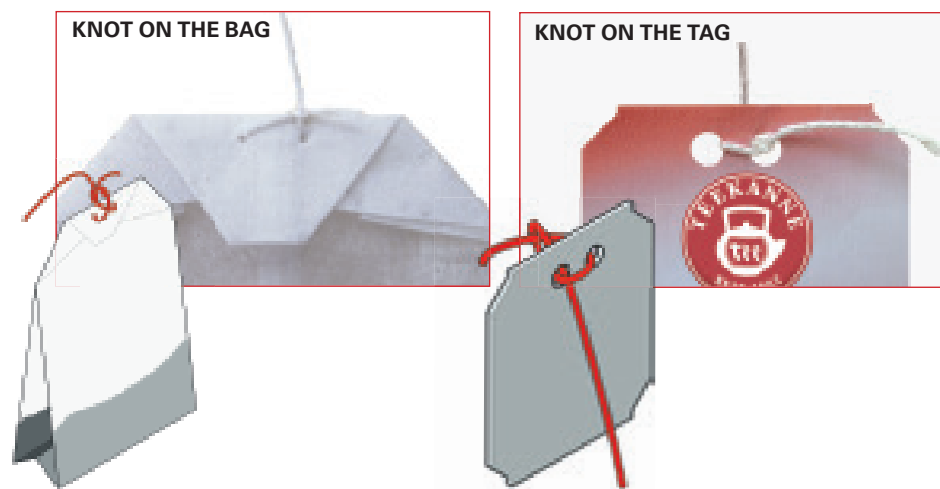
#### KNOTTING STATION – DETAILS



1 TAG UNIVERSAL

2 Knotting station cardboard tag

3 Knotting station filter bag





# OPTIONAL

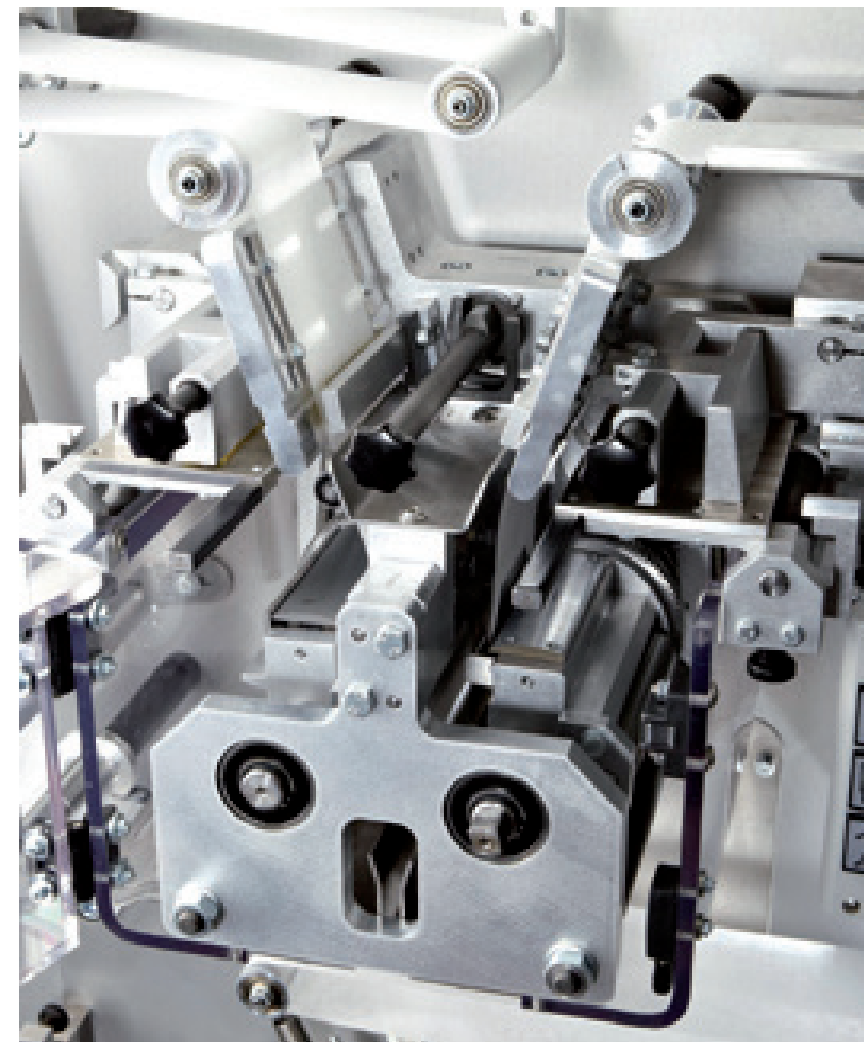
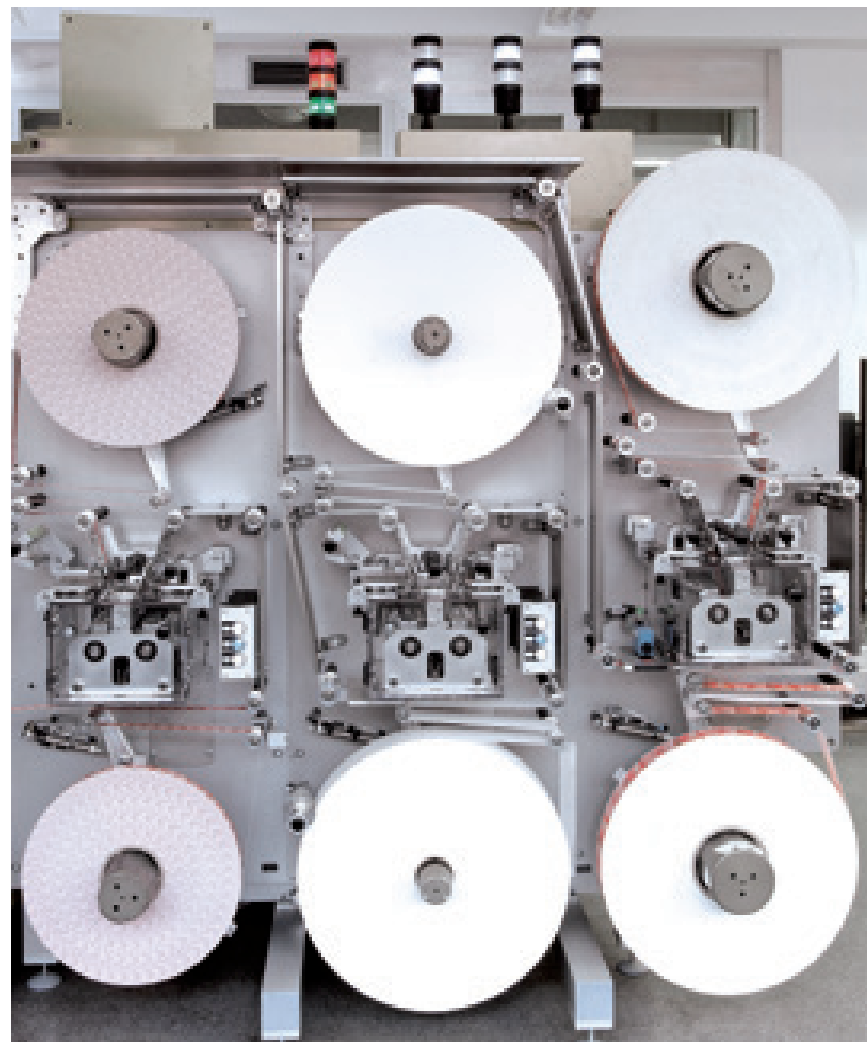
## ADD-ON MODULES

### SIMPLY ACHIEVE MORE

#### Up to six reel pickup stations

Those who respond quickly to market changes will always be a step ahead of the competition. That is why the PERFECTA can be easily expanded to meet any requirement. It offers great flexibility in terms of tag design, allows flavour dosing with up to two flavours and is available with an optional weight check system.

The machine can also accommodate up to three optional splicer devices for filter paper, enveloping foil and tags, as well as up to six reel pickup stations.



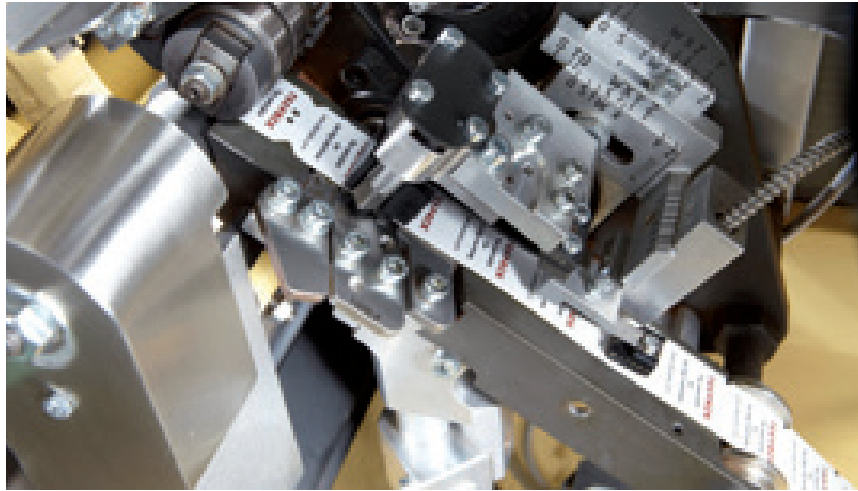
#### Splicer

Once the end of a reel is reached, the PERFECTA Splicer automatically splices in the next roll of material while the machine remains operational. This useful option reduces machine downtime and allows for significantly more material feed flexibility. In the modular concept, in which two roller holders and one splicer unit form one module, splicers are available for one, two or even three material types. The machine can process roll diameters of up to Ø 600mm of filter paper and paper or foil envelope material.

The machine's universal structure allows quick and easy format changes without the need for additional parts. Parts can be exchanged by hand and the handling of all materials is the same. The result is an exact rapport when combining materials edges – the output of the bag with an adhesive point is similarly automated.

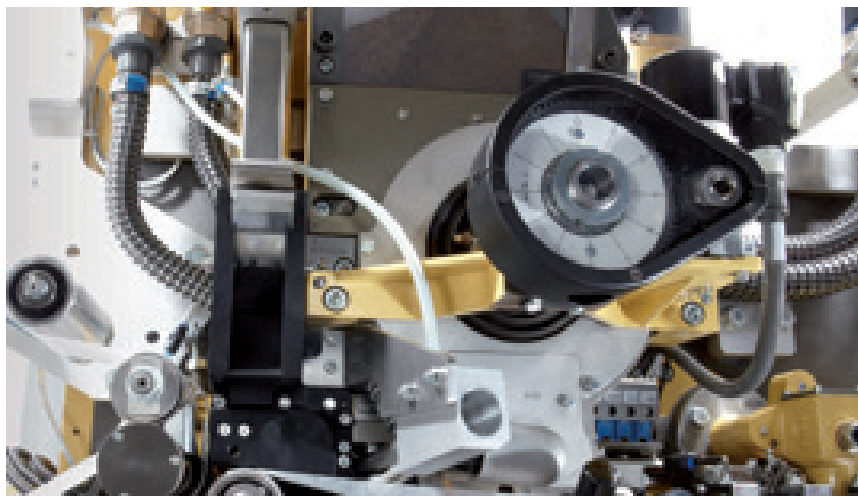


# ADD-ON MODULES



## Tag punch

A tag feed system enables greater flexibility and design options for the tags. The feed system is driven by a servo motor making it possible to process a tag reel without punched-out corners. The integrated punching unit can also punch out the corners or other geometric shapes from the tag material. The station can be set to any tag size quickly by exchanging a few format parts.



## Flavour dosing device for one or two flavours

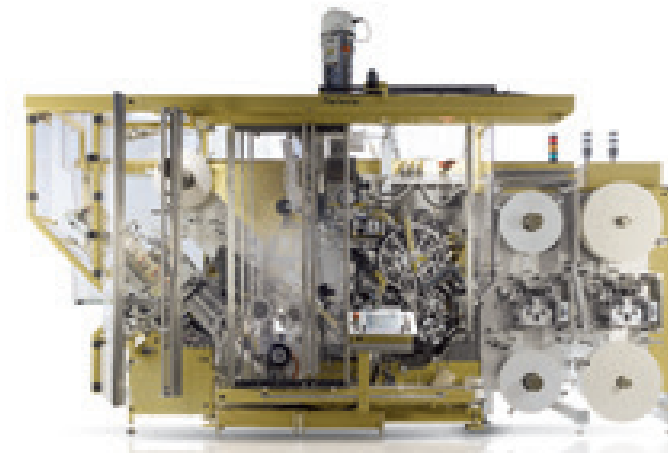
Flavour dosing allows the addition of flavours as powder or granulate. The aroma is added directly before the tea dosing, in which the appropriate dose for each bag is deposited on the filter paper. A sensor controls the process: the sampling device allows for quick weight checks during production. Any bags produced for sampling purposes are of course ejected. The flavour dosing device is available for single or double-dosing (two flavours), which can be configured separately.



## Weight checking system

The weight checking system can be optionally integrated into the PERFECTA controls. It consists of a control scale, an interface for data exchange and a faulty box ejector. This system conducts an automatic weight check of every box and adjusts the motorised weight regulation system when necessary. The faulty box ejection device removes the boxes from production which do not conform to the exact weight specifications.

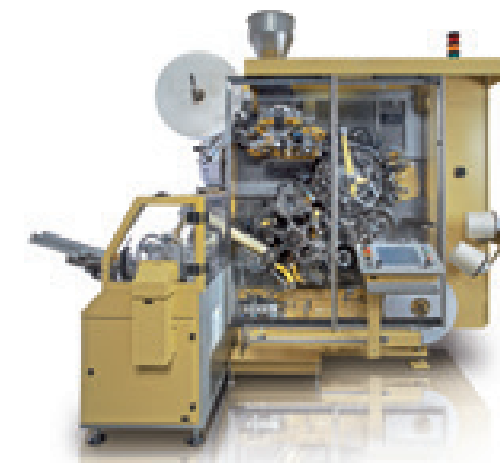
# PRODUCT RANGE



## PERFECTA



- For high speed production and the filling of family size tea bags



## COMPACTA



- The modular solution for high investment flexibility, which grows to meet your demands



## ZENOBIA

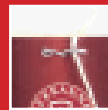


- The all-rounder for premium tea bags and other applications (e.g., coffee, granola, sweets, etc.)

# PERFECTA TAG

## MATERIAL-DATA

### Fixing options



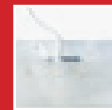
Cardboard tag stapled



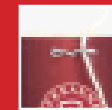
Cardboard tag knotted



Filter bag knotted



Filter bag stapled



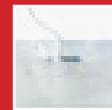
Cardboard tag stapled



Cardboard tag knotted



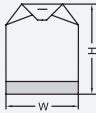
Filter bag knotted



Filter bag stapled

### Fixing options

### BAGS

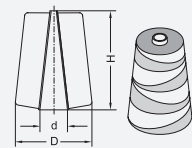


#### Tea bag sizes

Size	W	H	Max. bag volume
02	40	61	9.5 cm <sup>3</sup> *
03	44	61	12.5 cm <sup>3</sup>

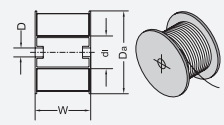
\* Size 02 max. 7.0 cm<sup>3</sup> by 420 bags/minute

### SPOOLS



#### Thread spool

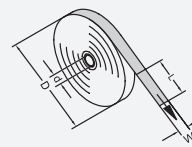
Size	D <sub>max</sub>	d <sup>+/-0.3</sup>	H <sub>max</sub>
02	180	47	180
03	180	47	180



#### Aluminium wire spool

Da	D <sup>+/-0.3</sup>	di	W
min Ø138	18.3	min Ø56	min Ø 49
max Ø152	18.3	min Ø56	max Ø102

### REELS

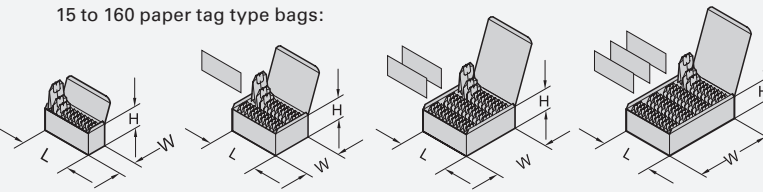


#### Filter paper reel

Size	D <sub>max</sub>	d <sup>+2</sup>	L	W <sup>+0.5</sup>	g/m <sup>2</sup>
02	600	75	150	94	12
03	600	75	150	103	12

### BOX

Box sizes for cartoning attachment for 15 to 160 paper tag type bags:



	Format 02	
	min	max
W	42	165
H	60	60
L	115	220

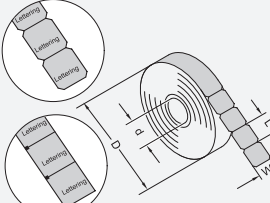
### BAGS



#### Tea bag sizes

Size	W	H	Max. bag volume
06	58	76	22.0 cm <sup>3</sup>

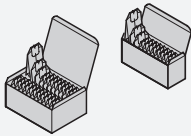
### CARDBOARDS



#### Cardboard tag

Standard size „Y“ (other tag sizes available)

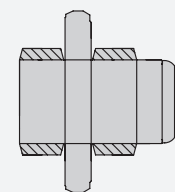
Size	W	L	d	D <sub>max</sub>
Y	20	24	120	500
T	25,4	31,75	120	500
Z	28	32	120	500



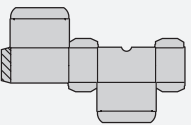
#### Cardboard material

1-row up to 160 mm length:  
280-320 g/m<sup>2</sup>

More-row boxes:  
360-400 g/m<sup>2</sup>

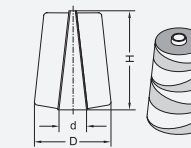


Flat blank for cartoning attachment for 10 to 75 bags per box



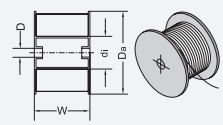
Folding box for cartoning attachment for max. one row per box

### SPOOLS



#### Thread spool

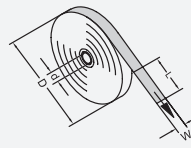
Size	D <sub>max</sub>	d <sup>+/-0.3</sup>	H <sub>max</sub>
06	180	47	180



#### Aluminium wire spool

Da	D <sup>+/-0.3</sup>	di	W
min Ø138	18.3	min Ø56	min Ø 49
max Ø152	18.3	min Ø56	max Ø102

### REELS

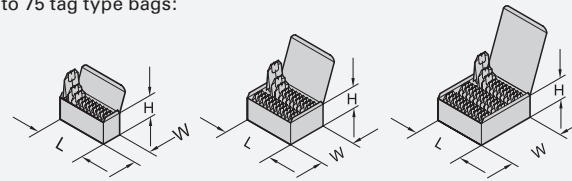


#### Filter paper reel

Size	D <sub>max</sub>	d <sup>+2</sup>	L	W <sup>+0.5</sup>	g/m <sup>2</sup>
06	550	75	190	129	14

### BOX

Box sizes for cartoning attachment for 10 to 75 tag type bags:



	Format 06	
	min	max
W	60	180
H	76	76
L	110	240*

\* max. row length 220mm

# PERFECTA ENVELOPE

## MATERIAL-DATA

### Fixing options



Paper tag  
stapled



Filter bag  
knotted



Filter bag  
stapled

# PERFECTA UNIVERSAL

## MATERIAL-DATA

### Fixing options



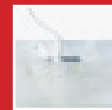
Cardboard  
tag stapled



Cardboard  
tag knotted



Filter bag  
knotted



Filter bag  
stapled

### BAGS

#### Tea bag sizes

Size	W	H	Max. bag volume
02	40	61	9.5 cm <sup>3</sup>
03	44	61	12.5 cm <sup>3</sup>

#### Tea bag with envelope

Size	W	H	Max. bag volume
02	56	67	9.5 cm <sup>3</sup>
03	60	67	12.5 cm <sup>3</sup>

### SPOOLS

#### Thread spool

Size	D <sub>max</sub>	d <sup>+/-0.3</sup>	H <sub>max</sub>
02	180	47	180
03	180	47	180

#### Aluminium wire spool

D <sub>a</sub>	D <sup>+/-0.3</sup>	d <sub>i</sub>	W
min Ø138	18.3	min Ø56	min Ø 49
max Ø152	18.3	min Ø56	max Ø102

### REELS

#### Filter paper reel

Size	D <sub>max</sub>	d <sup>+2</sup>	L	W <sup>+0.5</sup>	g/m <sup>2</sup>
02	600	75	150	94	12
03	600	75	150	103	12

#### Envelope paper reel sizes

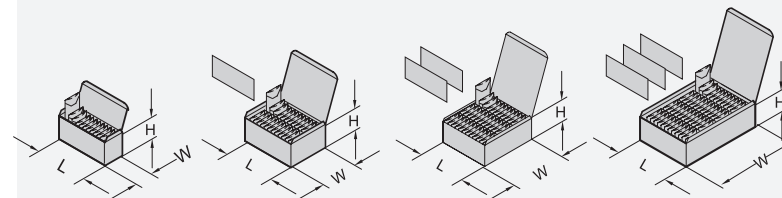
Size	D <sub>max</sub>	d <sup>+1</sup>	L1 <sup>+/-0.5</sup>	W <sup>+/-0.2</sup>	g/m <sup>2</sup>
02	650*	152	164	56	60-70
03	650*	152	164	60	60-70

\* with splicing unit 500

### BOX

#### Box sizes for cartoning attachment for

15 to 160 paper envelope type bags:



#### Format 02

	min	max
W	58	229
H	68	68
L	115	220

### BAGS

#### Tea bag sizes

Size	W	H	Max. bag volume
02	40	61	9.5 cm <sup>3</sup>
03	44	61	12.5 cm <sup>3</sup>

#### Universal Paper envelope

Size	W	H	Max. bag volume
02	56	67	9.5 cm <sup>3</sup>
03	60	67	12.5 cm <sup>3</sup>

#### Universal Heat Seal envelope

Size	W	H	Max. bag volume
02	66	77	7.0 cm <sup>3</sup>
03	66	77	9.5 cm <sup>3</sup>

### CARDBOARDS

#### Cardboard dividers

Size	D	W	d <sup>+1</sup>	L envelope & tag Type	Paper thickness approx.
02	550	110-215	152	43	0.3
03	550	110-215	152	43	0.3

#### Cardboard tag

Standard size „Y“ (other tag sizes available)

Size	W	L	d	D <sub>max</sub>
Y	20	24	120	500
T	25,4	31,75	120	500
Z	28	32	120	500

#### Cardboard material

1-row up to 160 mm length:

280-320 g/m<sup>2</sup>

More-row boxes:

360-400 g/m<sup>2</sup>

Flat blank for  
cartoning  
attachment  
for 15 to 160  
bags per box

Folding box  
for cartoning  
attachment  
for max.  
two rows  
per box

### SPOOLS

#### Thread spool

Size	D <sub>max</sub>	d <sup>+/-0.3</sup>	H <sub>max</sub>
02	180	47	180
03	180	47	180

#### Aluminium wire spool

D <sub>a</sub>	D <sup>+/-0.3</sup>	d <sub>i</sub>	W
min Ø138	18.3	min Ø56	min Ø 49
max Ø152	18.3	min Ø56	max Ø102

### REELS

#### Filter paper reel

Size	D <sub>max</sub>	d <sup>+2</sup>	L	W <sup>+0.5</sup>	g/m <sup>2</sup>
02	600	75	150	94	12
03	600	75	150	103	12

#### Envelope paper reel sizes

Size	D <sub>max</sub>	d <sup>+1</sup>	L1 <sup>+/-0.5</sup>	W <sup>+/-0.2</sup>	g/m <sup>2</sup>
02	600	152	144.5	56	60-70
03	600	152	144.5	60	60-70

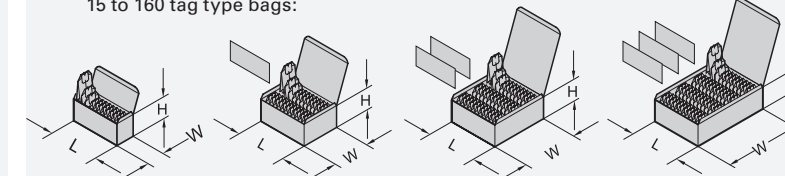
#### Envelope foil reel sizes

Size	D <sub>max</sub>	d <sup>+1</sup>	L1 <sup>+/-0.2</sup>	W <sup>+/-0.15</sup>
02	600	152	154	66
03	600	152	154	66

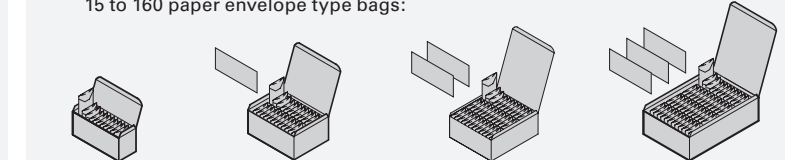
### BOX

#### Box sizes for cartoning attachment for

15 to 160 tag type bags:



15 to 160 paper envelope type bags:



15 to 120 heat seal envelope bags:

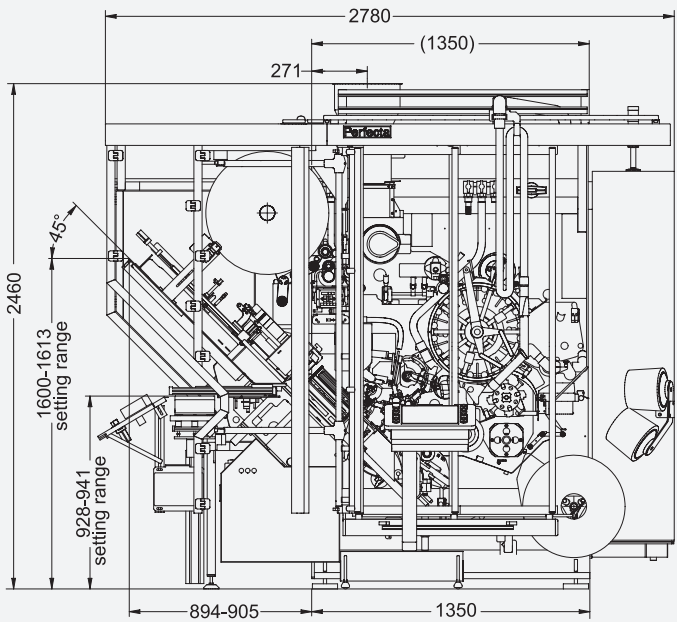
	min	max
W	42	229
H	60	79
L	115	220



# TECHNICAL DATA

## PERFECTA TAG

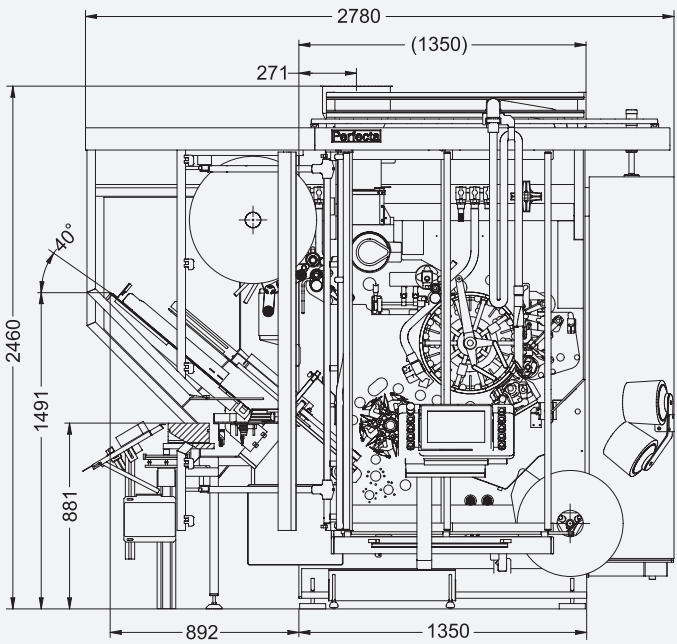
Technical data	
Production speed:	up to 420 bags/minute
Length x Width:	approx. 2780 x 1700 mm
Height with hopper:	approx. 2460 mm
Height without hopper:	approx. 2270 mm
Net weight:	approx. 2500 kg
Electric power connection:	4.0 kW / 6.0 kW*
Consumption:	up to 3.6 kWh
Operating pressure:	6 bar
Consumption:	up to 200 NL/minute up to 600 NL/minute**
Compressed air connection:	1/2"



\*electrical power connection for knotting machine.  
\*\*compressed air pressure consumption for knotting machine.

## PERFECTA ENVELOPE

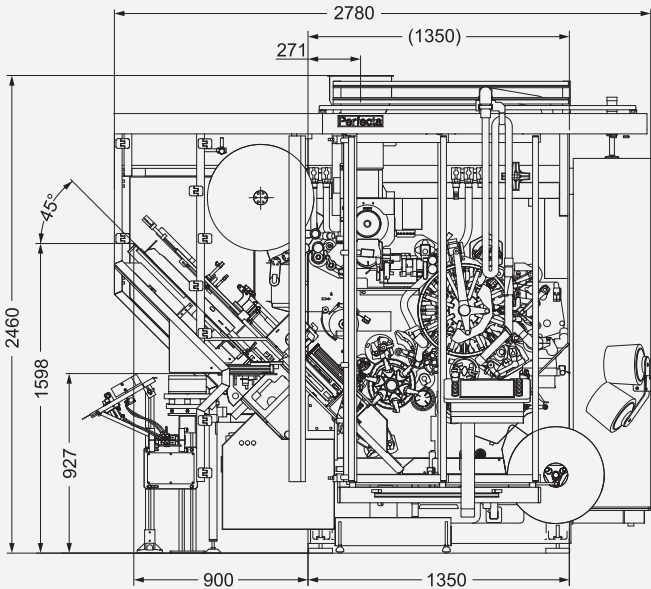
Technical data	
Production speed:	up to 380 bags/minute
Length x Width:	approx. 2780 x 1700 mm
Height with hopper:	approx. 2460 mm
Height without hopper:	approx. 2270 mm
Net weight:	approx. 2500 kg
Electric power connection:	4.0 kW / 4.0 kW*
Consumption:	3.6 kWh
Operating pressure:	6 bar
Consumption:	up to 700 NL/minute
Compressed air connection:	1/2"



\*electrical power connection for knotting machine.

## PERFECTA FAMILY SIZE

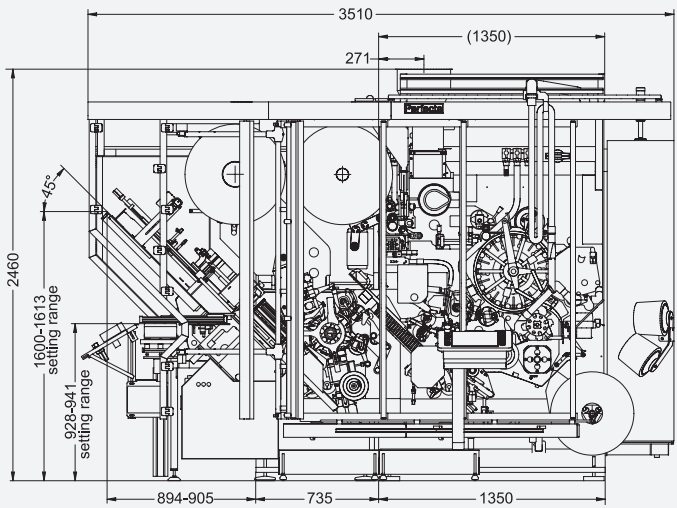
Technical data	
Production speed:	up to 250 bags/minute
Length x Width:	approx. 2780 x 1700 mm
Height with hopper:	approx. 2460 mm
Height without hopper:	approx. 2270 mm
Net weight:	approx. 2700 kg
Electric power connection:	6.0 kW
Consumption:	up to 2.4 kWh
Operating pressure:	6 bar
Consumption:	up to 200 NL/minute up to 600 NL/minute**
Compressed air connection:	1/2"



\*\*compressed air pressure consumption for knotting machine.

## PERFECTA UNIVERSAL

Technical data	
Production speed:	up to 380 bags/minute
Length x Width:	approx. 3510 x 1700 mm
Height with hopper:	approx. 2460 mm
Height without hopper:	approx. 2270 mm
Net weight:	approx. 3600 kg
Electric power connection:	10.0 kW / 10.0 kW*
Consumption:	up to 5.0 kWh
Operating pressure:	6 bar
Consumption:	200 up to 800 NL/minute 600 up to 1200 NL/minute**
Compressed air connection:	1/2"



\*electrical power connection for knotting machine.  
\*\*compressed air pressure consumption for knotting machine.

# Production speed overview (bags per minute)

	PERFECTA TAG	PERFECTA FAMILY SIZE	PERFECTA ENVELOPE	PERFECTA UNIVERSAL
	<b>naked bag</b>	<b>naked bag</b>		<b>naked bag</b>
Stapling machine	up to 420*	up to 250**		up to 380
Knotting machine (two knots)	up to 400*	up to 250**		up to 380
Knotting machine (knot only on bag)	up to 400*	up to 250**		up to 380
* by up to 7.0 cm³ black tea				
** by up to 22 cm³ black tea				
			<b>paper envelope</b>	<b>paper envelope</b>
Stapling machine			up to 380	up to 380
Knotting machine (two knots)			not available	up to 380
Knotting machine (knot only on bag)			up to 380	up to 380
				<b>cold seal envelope bag</b>
Stapling machine				up to 380
Knotting machine (two knots)				up to 380
Knotting machine (knot only on bag)				up to 380
				<b>heat seal envelope bag</b>
Stapling machine				up to 350
Knotting machine (two knots)				up to 350
Knotting machine (knot only on bag)				up to 350

## PERFECTA

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