

# FAST FORWARD TO **YOUR** **SUCCESS** ►►

PERFECTA R



**TEEPACK**  
wrap your brand in quality

FAST FORWARD  
TO **YOUR**  
**SUCCESS** ▶▶

PERFECTA R





## The PERFECTA R

When packing tea,  
the fast way to better  
profits is clear:

**More tea bags in  
less time means  
more money.**

Add quality, high-tech  
and useful design –  
and you get one of the  
fastest, most flexible  
and most innovative  
double-chamber  
tea bag machines  
in the world.



## PACKED WITH PROFITABILITY

### ***Our goal is easy to explain:***

*We aim to be faster than all the competition. More efficient and more user-friendly too. A double-chamber tea bag packaging machine that makes it easier than ever for you to produce more profitably and with higher quality.*

### ***And we have achieved this goal with the PERFECTA R.***

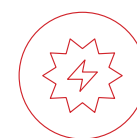
*It will come as no surprise to anyone familiar with our PERFECTA R systems that we have again come up with something really outstanding. Not just an upgrade, but a revolution in terms of maximum speed and efficiency, flexibility and modularity, userfriendliness and support – and, of course, reliability thanks to quality “Made in Germany.”*

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## TECHNICAL SPECIFICATIONS

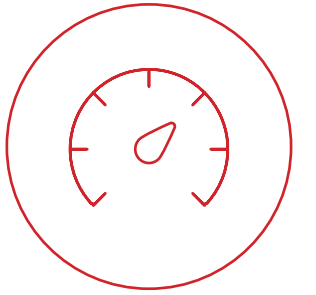
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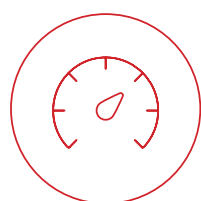




MORE OUTPUT IN LESS TIME:

**HIGH  
PERFORMANCE**





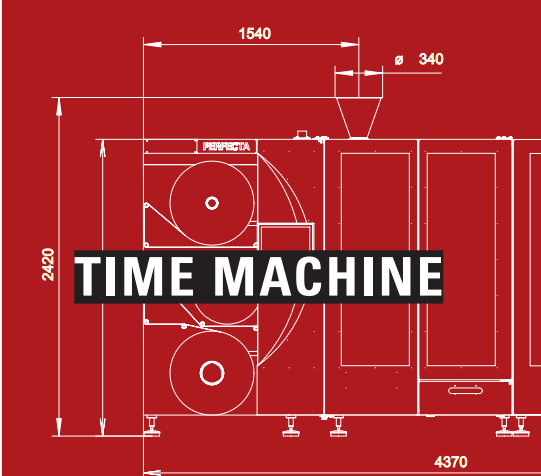
# MAXIMUM SPEED – NO IFS OR BUTS.

*Time is money. That is why every single tea bag that you fill and package more rapidly benefits your bottom line. From now on, you can achieve even greater productivity: up to 420 bags per minute – the new benchmark for success.*

Maximum flexibility, maximum efficiency: the PERFECTA R produces up to 420 double-chamber tea bags per minute from non-heat-seal filter paper with knotted cardboard tags (smallest size available: 20 x 24 mm).

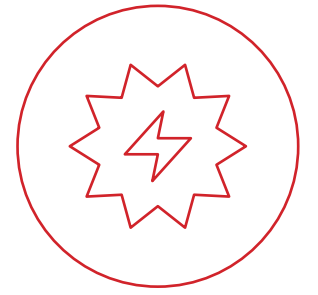
Do you just want to produce naked filter bags? Or pack the tea bags in crimped paper envelopes? Or heat-seal envelopes? Or cold-seal envelopes? No problem: all of these options are possible – and at top speed.

Retrofitting the basic module of the PERFECTA R for the different envelope options is easy, thus saving you valuable time. Simply fit the optional units for the desired type of envelope in a few easy steps and your production will soon be up and running again at full speed. The end-of-line module for outer packaging is of course adapted to the high speed of the machine. You will find more information on the following pages.



**ALL THIS MAKES THE  
PERFECTA R NOT  
JUST THE FASTEST, BUT  
ALSO THE MOST  
EFFICIENT MACHINE WE  
HAVE EVER BUILT.**



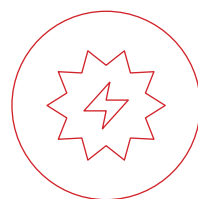


EASY AND FLEXIBLE USAGE:

# ACCESSIBLE DESIGN & MODULARITY



# MULTIPLE CHOICE, MULTIPLE BENEFITS!



*Do you initially just want to produce naked tea bags but would like to keep your options open for later on? For instance, you might want to create envelopes? And outer packaging? All options are possible.*

Combine and expand the basic module of the PERFECTA R according to your individual requirements – it could not be simpler. The accessible design and maximum modular concept of the PERFECTA R make things easy. This means you can always respond flexibly to new requirements.

You can easily expand the **basic module** with an optional unit for paper envelopes or hot/cold-seal envelopes. The end-of-line module (ELB) with erector and lid closer for different types of outer packaging can be easily attached to the basic module and quickly converted to the desired type of bag. Flow packs (for naked bags only) are also optional. A splicer – available for filter paper reels, tag reels and envelope reels – can be added later with a minimum of effort.

Everything is easy to retrofit, as the basic module already has all the necessary interfaces and component mounts. No matter what combination you choose, everything is always easily accessible, thus significantly reducing maintenance time. You can even swap components between different machines. And best of all, you can continue to use all materials from leading manufacturers.

For convenient maintenance support and live overall equipment effectiveness (OEE) analysis in the cloud, there is now an **innovative IoT module with a new touchscreen control panel (HMI)**. Other optional extras include a cleaning arm and splicer.



**ALL THIS MAKES THE PERFECTA R NOT JUST THE MOST ACCESSIBLE, BUT ALSO THE MOST FLEXIBLE MACHINE WE HAVE EVER BUILT.**





MAXIMUM MACHINE PERFORMANCE.  
MINIMUM EFFORT.

# INSTALLED SOLUTIONS



# **INSTALLED SOLUTIONS.**

Our service packages for  
your TEEPACK system.

Maximum machine performance.  
Minimum effort.



## **And expandable at any time.**

Get professional support, predictable  
maintenance and access to the latest  
updates - customized to your needs.



# **THE BEST FOR YOUR MACHINE. DIRECTLY FROM TEEPACK.**

**More predictability. Less  
downtime. More performance.**

Original spare parts for original  
100% performance.

## **3 PACKAGES. FULL CONTROL.**

### **BASIC**

- ✓ 10 hours  
of remote support
- ✓ Express request  
handling

OCCASIONAL SUPPORT  
& QUICK HELP

### **PREMIUM**

- ✓ 50 hours  
of remote support
- ✓ Express request handling
- ✓ 2 x 2 weeks  
of maintenance/training
- ✓ 5% service discount
- ✓ 5% spare part discount

FULL SERVICE &  
MAXIMUM PERFORMANCE

### **PLUS**

- ✓ 20 hours  
of remote support
- ✓ Express request  
handling
- ✓ 1 x 2 weeks  
of maintenance/training
- ✓ 3% service discount
- ✓ 3% spare part  
discount

REGULAR SUPPORT  
WITH SAVINGS

## **EVERY FUNCTION COUNTS. EVERY MODULE WORKS.**

Our services at a glance.



### **REMOTE SUPPORT**

- Priority Support
- Remote Access



### **INSPECTION**

- System Check
- Function Analysis



### **TRAINING**

- Safe Operations
- Effective Maintenance



### **MAIN- TENANCE**

- Professional Repairs
- Preventive Service



### **COMMIS- SIONING**

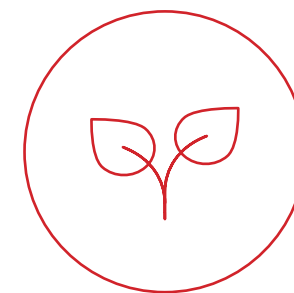
- Machine Ramp-Up
- Production Monitoring



### **CONSULTING**

- Plant Analysis
- Performance  
Improvement





QUALITY "MADE IN GERMANY":

**RELIABILITY,  
LONGEVITY  
& SUSTAINABILITY**





# DELIVERS THE QUALITY “MADE IN GERMANY” YOU WOULD EXPECT.

*Ease of operation and longer maintenance intervals, easily accessible design, high-quality components, innovative technologies – these are the essential foundations for reliability in any machine.*

The PERFECTA R offers all of these features – perfectly. It also adds superior safety standards and durable premium quality "Made in Germany".

The innovative technology and extremely flexible modular design ensure that your new tea bag packing machine will remain profitable over its long service life. All components can be replaced quickly and easily. The entire machine is easily accessible, user-friendly and maintenance is much less time-consuming than previously.

**PIT STOP maintenance strategies** ensure less downtime. The new hygienic design allows for faster cleaning since fewer components come into contact with the tea dust. A **cleaning arm** is optionally available that cleans the components **during production**.

The exceptional quality of the components ensures high production and cost efficiency:

- **Maintenance intervals** become **more predictable** through condition monitoring (predictive maintenance)
- **Consumption of spare parts** is significantly reduced

The durability and precision of all components contribute decisively to the machine's unusually **long service life** and the extremely efficient use of all materials – including, of course, the tea.

**An economic and an environmental win!**



**ALL THIS MAKES THE  
PERFECTA R NOT  
JUST THE  
HIGHEST QUALITY,  
BUT ALSO  
THE MOST DURABLE  
MACHINE WE HAVE  
EVER BUILT.**





HIGH PERFORMANCE.  
OUTSTANDING FLEXIBILITY.

# INNOVATIVE FEATURES



***Easily interchangeable components** with shorter setup times. Enhanced ease of use for more production efficiency. Reduced maintenance time.*

***Reduced downtimes** thanks to **PIT STOP** maintenance strategies.*

DOSING STATION	HYGIENIC DESIGN	PNEUMATIC-COMPONENTS	ELECTRONIC COMPONENTS	HUMAN MACHINE INTERFACE	TAG PUNCH	OPTIONAL: IOT MAINTENANCE SUPPORT	OPTIONAL: INSTALLED SOLUTIONS	ADD-ON MODULE: WEIGHT CHECKING SYSTEM	ADD-ON MODULE: SPLICER	OPTIONAL: END-OF-LINE MODULE
Easily accessible dosing adjustment. Faster changeover of dosing parts. Perfect tea dosing with servo technology.	Hygienic design enables faster cleaning.	The latest state-of-the-art pneumatic components.	New fast fieldbus delivers precise sensor signals and extended diagnostic information.	New HMI with clear graphic symbols.	Tag feed system that enables greater flexibility and more design options for the tag.	Remote control. Digital networking possible via defined interface.	Professional support, predictable maintenance and access to the latest updates - customized to your needs.	Automatic weight check of every box and adjustment of the motorised weight regulation system. Faulty box ejection.	Splicer for filter paper reels, tag reels and envelope reels.	Integrated box erector and lid closer for various box types and up to 25 boxes/min. Flow Pack also possible.





CUSTOMIZED EQUIPMENT

# END-OF-LINE MODULE (ELB)

## ELB – OPTIONS

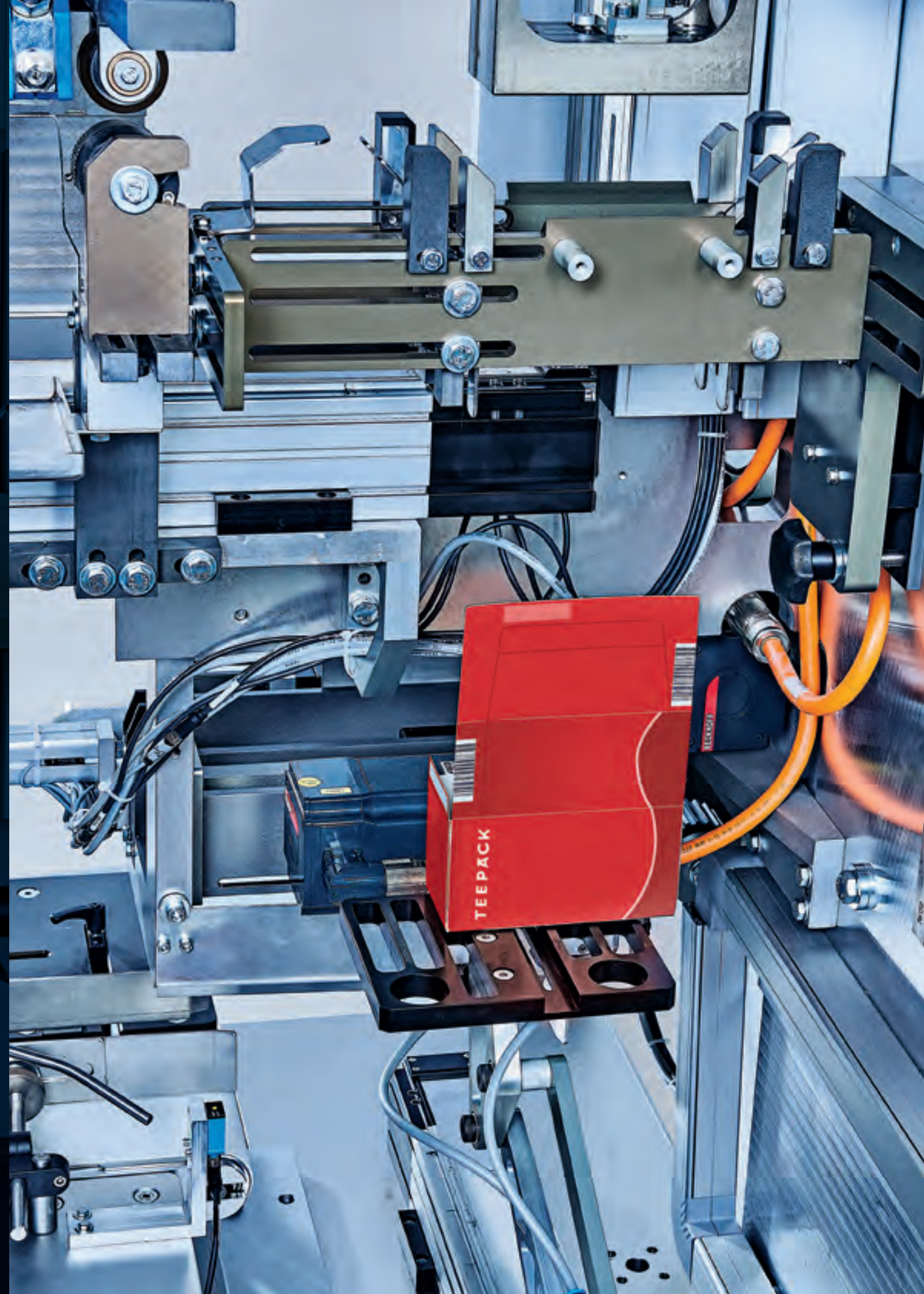
- With box erector and lid closer
- 1–4 rows (naked bags), 1–3 rows (paper envelope bags + heat-seal envelope bags or cold-seal envelope bags)
- Flow Pack module
- Barcode reader on box blanks
- Divider strip inserter
- Roller embossing system
- Weight checking system with faulty box ejection

## BOX ERECTING DEVICE

- Erects cardboard boxes from plain blanks
- Output: up to 25 boxes/min

## LID CLOSING DEVICE

- Closes the lid of the filled boxes
- Output: up to 25 boxes/min

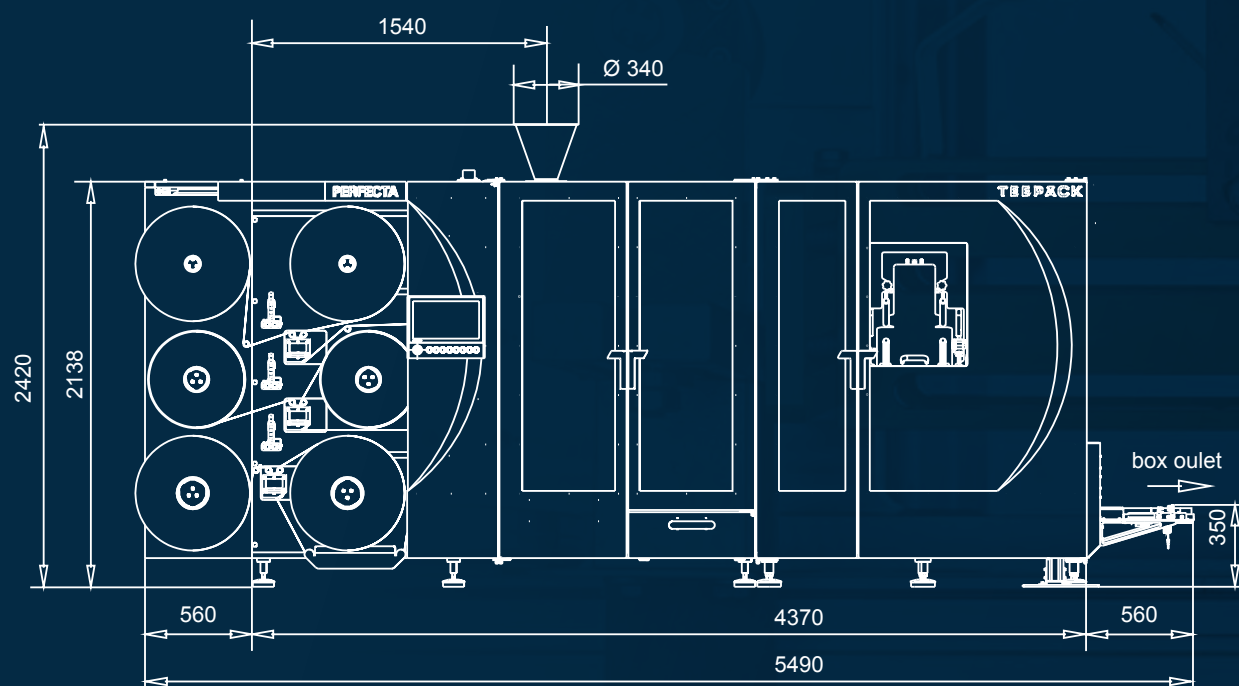






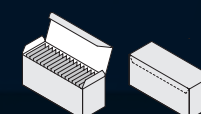
CUSTOMIZED EQUIPMENT

# END-OF-LINE MODULE (ELB)

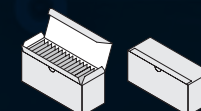


## POSSIBLE BOXTYPES & SIZES

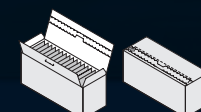
- Standard tuck-in closure box, short flap closure box, tear strip closure box, aroma box, open trays
- Sizes: W 42–206 mm, H 60–79 mm, L 115–220 mm; for 15–160 naked bags, 15–120 paper envelope bags, 15–120 heat-seal envelope bags (10 bags on request)
- Other box types on request



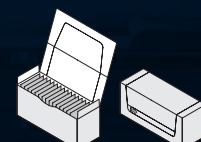
The **TUCK-IN CLOSURE BOX** is a standard box used by most tea manufacturers worldwide.



The **SHORT FLAP CLOSURE BOX** offers more security by a glued short flap (Kurzlasche) as well as a re-closable solution and doesn't need overwrapping.



The **TEAR STRIP CLOSURE BOX** offers more security by a glued lid as well as a re-closable solution and does not need overwrapping.



The **AROMA BOX** offers best security and aroma protection without overwrapping. All sides of the boxes are glued. This creates a specially sealed box.

## TECHNICAL DATA WITH END-OF-LINE MODULE (ELB)

**Production speed:**  
up to 420 bags/minute<sup>1</sup>

**Length x width without splicer and faulty box ejection:**  
approx. 4370 x 1550 mm

**Length x width with splicer and faulty box ejection:** approx. 5490 x 1550 mm

**Height with hopper:**  
approx. 2420 mm

**Height without hopper:**  
approx. 2138 mm

**Net weight:** approx. 4600 kg<sup>2</sup>

**Electric power connection:** 20 kW

**Average power consumption:** 8 kW

**Maximum power consumption:** 12 kW

**Operating pressure:** 6 bar

**Compressed air consumption:**  
up to max. 350 NI/min.

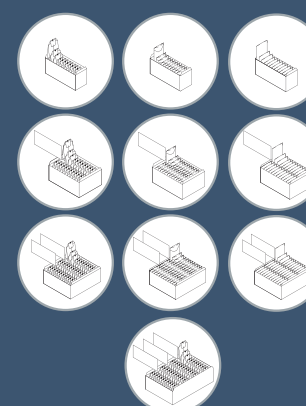
**Compressed air connection:** 1/2"

<sup>1</sup> Evaluated according to your specific requirements

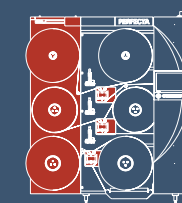
<sup>2</sup> Depending on configuration

Note: The power consumption and compressed air consumption depends on the machine equipment.

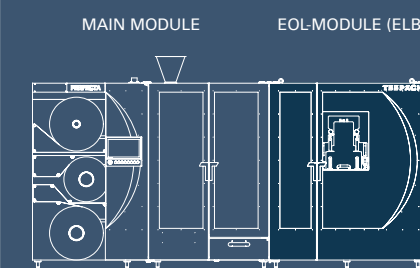
### PACKAGING



### SPLICER



### PERFECTA R MODULES



### TEA BAGS



Filter bag with tag

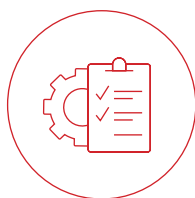
Filter bag with tag  
in crimped envelope  
paper

Filter bag with  
tag in heat-seal  
envelope

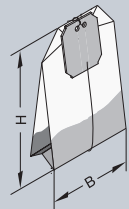


TECHNICAL SPECIFICATIONS:

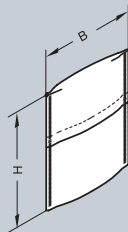
# STANDARD



BAGS

	TEA BAG SIZES			
	Size	W (mm)	H (mm)	max. bag volume (cm³)
	02	40	60	up to 9.5
	03	44	60	up to 12.5

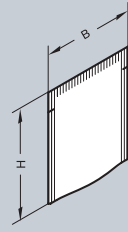
ENVELOPES



ENVELOPE SIZES – CRIMPED PAPER

Filter bag with tag in crimped envelope paper

Size	W (mm)	H (mm)	max. bag volume (cm³)
02 (40x60)	56	67	up to 9.5
02 (40x60)	55	67	up to 9.5
03 (44x60)	60	67	up to 12.5
03 (44x60)	63	72	up to 12.5

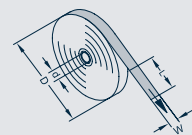


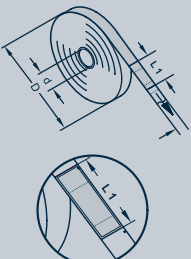
ENVELOPE SIZES – HEAT-SEAL

Filter bag with tag in crimped envelope paper

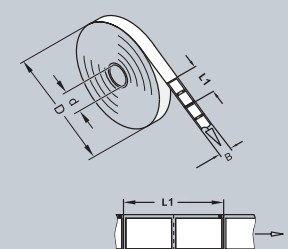
Size	W (mm)	H (mm)	max. bag volume (cm³)
02 (40x60)	66	77	up to 7.0
02 (40x60)	63	72	up to 7.0
03 (44x60)	66	77	up to 9.5
03 (44x60)	63	72	up to 9.5

REELS


	FILTER PAPER REEL SIZES					
	Size	Dm (mm)	d+2 (mm)	L (mm)	W+0.5 (mm)	g/m²
	02 (40x60)	600	75	154	94	12
	03 (44x60)	600	75	154	103	12

	ENVELOPE PAPER REEL SIZES						
	Size	Bag type	Dmax (mm)	d+1 (mm)	L1+/-0.5 (mm)	B+/-0.2 (mm)	g/m²
	02 (40x60)	56x67	600	75 or 152	144.5 (145)	56	60–70
	02 (40x60)	55x67	600	75 or 152	145	55	60–70
	03 (44x60)	60x67	600	75 or 152	144.5 (145)	60	60–70
	03 (44x60)	63x72	600	75 or 152	157.5	63	60–70

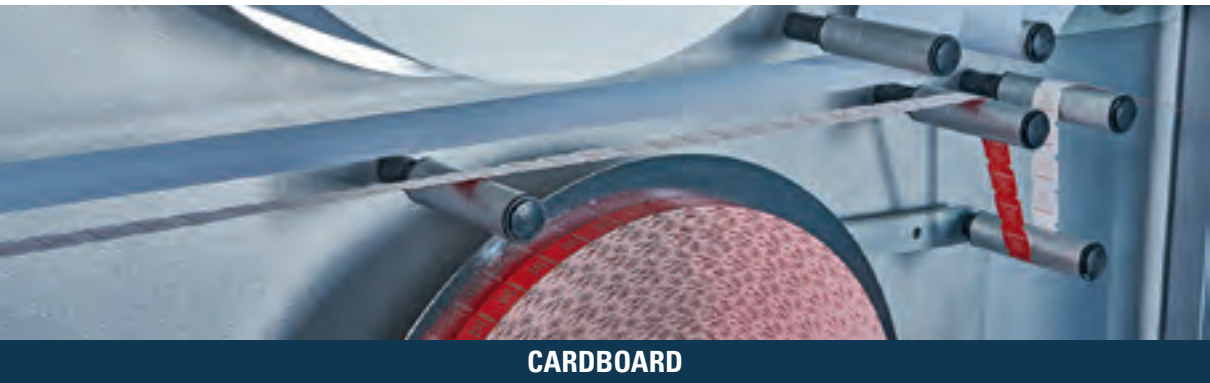
ENVELOPE FOIL REEL SIZES

	Size	Bag type	Dmax (mm)	d+1 (mm)	L1+/-0.5 (mm)	B+/-0.2 (mm)
	02 (40x60)	66x77	600	75 or 152	154	66
	02 (40x60)	63x72	600	75 or 152	144	63
	03 (44x60)	66x77	600	75 or 152	154	66
	03 (44x60)	63x72	600	75 or 152	144	63

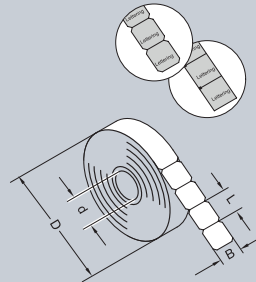
SPOOLS

	THREAD SPOOL SIZES			
	Size	Dmax	d+/-0.3	Hmax
	02	180	47	180
	03	180	47	180

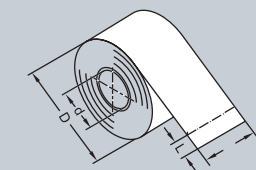
CARDBOARD



CARDBOARD TAG SIZES  
(STANDARD SIZE „Z“)

	Size	W (mm)	L (mm)	d (mm)	Dmax (mm)
	Z	28	32	120 or 152	500
	M	28	28	120 or 152	500
	X	26	28	120 or 152	500
	T	25.4	31.75	120 or 152	500
	Q	23	28	120 or 152	500
	Y	20	24	120 or 152	500

CARDBOARD DIVIDER SIZES

	Size	D	W	d+1	L envelope & tag type	Paper thick-ness. approx.
	02	550	110-215	152	33 or 43	0.3
	03	550	110-215	152	33 or 43	0.3

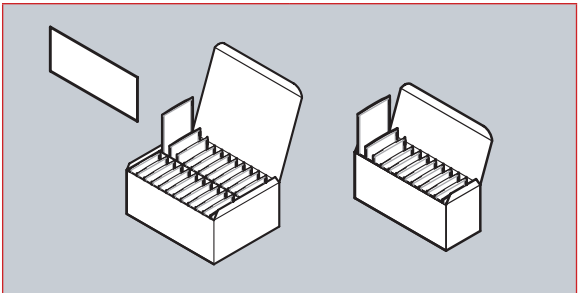


TECHNICAL SPECIFICATIONS:

# STANDARD

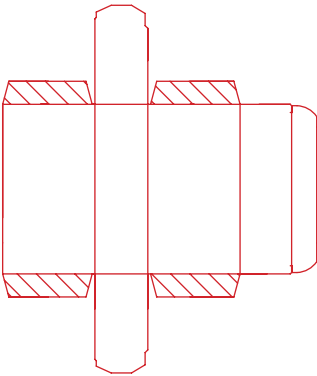


CARDBOARD



CARDBOARD MATERIAL	
1 row up to 160 mm length	Multi-row boxes
280–320 g/m <sup>2</sup>	360–400 g/m <sup>2</sup>

BOXES



## FLAT BLANK

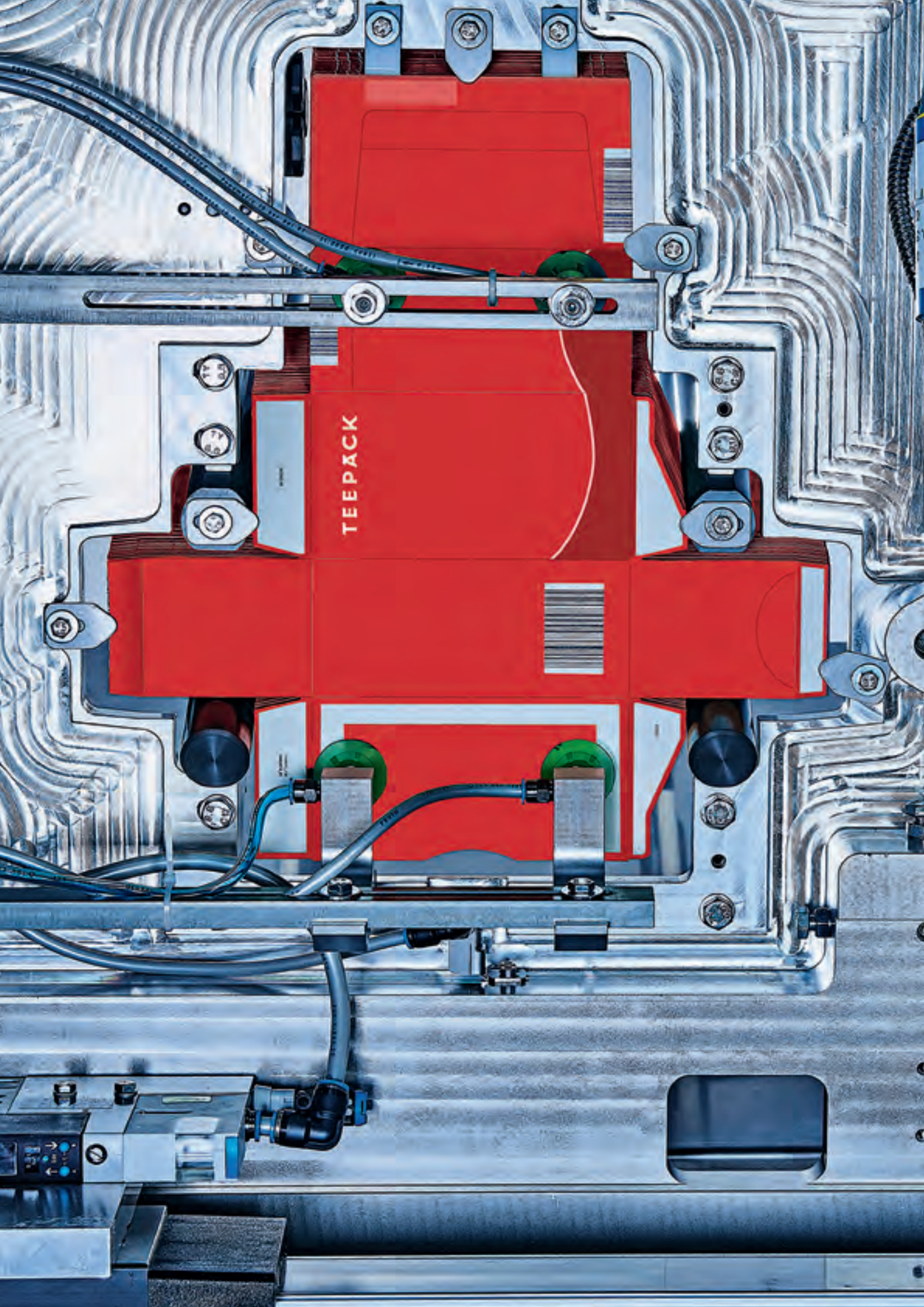
for cartoning  
attachment for 15 to  
160 bags per box

BOX SIZES

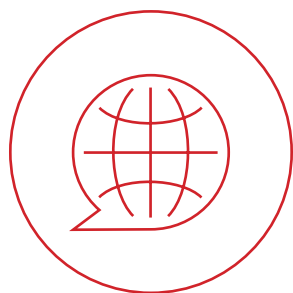


for 15 to 120 filter bags in heat-seal envelope  
(10 filter bags on request)

FORMAT 02	W	H	L
MIN	42	60	115
MAX	206	79	220







"MADE IN GERMANY" WORLDWIDE:

# INTERNATIONAL SERVICE

*We offer rapid international service for all your needs – including consulting, planning and machine configuration, after-sales support and add-on services. We provide a complete all-round service package for your machines, for your employees and for maximum efficiency.*

Our service is available to you internationally. This is quality "Made in Germany" – worldwide: in Australia, Bangladesh, China, India, Indonesia, Iran, Italy, Japan, Kazakhstan, Kenya, Nepal, Portugal, Russia, South Africa, South Korea, Spain, Sri Lanka, Taiwan, Turkey and Ukraine. And, of course, Germany.

You can find the contact details of our representatives at  
[www.teepack.com/en/services/agencies](http://www.teepack.com/en/services/agencies)

#### Enquiries

Do not hesitate to contact us with requests concerning a new machine, spare parts and technical advice, technical procurement, or general enquiries.

Go to [www.teepack.com/en/contact/enquiry](http://www.teepack.com/en/contact/enquiry)

**or simply call us: +49 2132 976 - 0**



THE STORY BEHIND THE **PERFECTA R**:

**“OUR GOAL HAS  
ALWAYS BEEN  
TO BUILD THE  
FASTEST, MOST  
FLEXIBLE AND MOST  
INNOVATIVE**

**DOUBLE-CHAMBER  
TEA BAG MACHINE  
IN THE WORLD.  
NO MORE AND NO  
LESS.”**







**PERFECTA R**



[www.teepack.com](http://www.teepack.com)

