



# INTAREMA®

## ZeroWastePro

Highly efficient recycling  
of film production waste.

CHOOSE THE NUMBER ONE.

# ZERO WASTE AT ITS BEST.

## ZeroWastePro.

Efficient, compact and energy-saving - this is how the new INTAREMA® ZeroWastePro transforms your film waste from production into high-quality recycled pellets. No compromise high quality. Use this system to feed up to 100% of the recycled material back into to your main production process. The machine specialises in the recycling of PE and PP films, which can be processed either inline or offline.

**Efficient production waste recycling with ZeroWastePro.  
The new standard for standard applications.**

## It's so easy. ZeroWastePro.

Stable processes and consistently high recycled pellet quality are the result of clever technologies, above all Counter Current® and Smart Start®. The machine runs virtually automatically and is extremely easy to operate. No additional personnel are needed. Installation and integration into your existing film production process is also particularly easy.

## Included on board: modern connectivity solutions.

The new ZeroWastePro features an impressive array of cutting edge connectivity solutions. The Smart Service Package is included for the first 12 months, for example. This enables you to use practical remote access services such as remote maintenance, as well as the advantages of BluPort - the new digital EREMA Performance Platform.

## Don't waste your waste.

In cost saving terms, the machine gets you off to a great start with unbeatably short delivery times and an impressive price-performance ratio. Thanks to the reduced use of primary raw materials and the savings in energy costs, the return on investment for the recycling plant is very short.



# ZeroWastePro

## ADVANTAGES



-  Up to **100% of recycled production waste** can be fed back into the film production process
-  **Impressive price-performance ratio**
-  **Easy installation and straightforward integration** into the existing film production process  
Can be integrated into production **inline and offline**
-  **Components especially designed for film applications** (e.g. optimised screw geometry) for more quality
-  **High level of automation**  
Save personnel, easy operation, straightforward maintenance
-  **Save floor space**  
Compact dimensions: integrated control cabinet, easy transport, easy installation
-  **Save energy**  
Optimum specific energy consumption, lower production costs and CO<sub>2</sub> emissions thanks to ecoSAVE®

Short delivery time thanks to high level of standardisation

High-quality automation package included

Smart Service package free-of-charge for 12 months

- Only **4,5 months delivery time** for INTAREMA® T und TE ZeroWastePro\*
- Only **3 months delivery time** for INTAREMA® K ZeroWastePro\*

\* calculated from order approval

### More quality

Quality optimising in-house controls for inline and offline processing, such as the pelleting speed tracking control, are included as standard. For even more stable processes and better quality recycled pellets (constant bulk density and pellet shape).

Remote access services, such as remote maintenance



### Digital EREMA Performance Platform

Intelligent solutions and apps for improved machine performance and plant availability, quick and easy spare parts service and straightforward maintenance.

**BluPort**  
PERFORMANCE PLATFORM



INTAREMA® 1008 T ZeroWastePro

# POWERFUL YET GENTLE.

Zero waste with clever technologies.

An advanced technology package ensures that the recycled pellet quality is not only high, but consistently high. Thanks to the typical INTAREMA® combination of a Preconditioning Unit and recycling extruder, films of varying thickness can be cut, heated, homogenised, dried and compacted to a uniform bulk density. The material which is compacted this way can be added continuously and pulsation and process fluctuations are extremely low.

## Gentle melting thanks to preheating

Another advantage of the Preconditioning Unit is that the material is preheated. It significantly reduces the energy input required for plastication in the extruder and the thermomechanical stress on the polymer is minimised as a result - a clear increase in quality for the melt and the final recycled pellets.

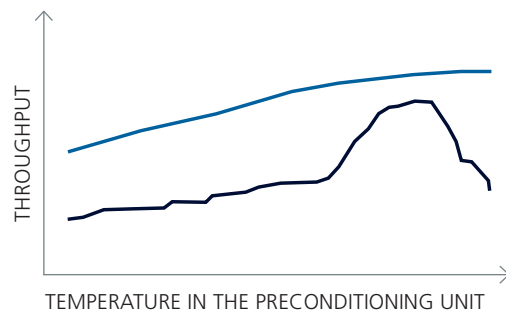
## Moisture under control

Finally, the Preconditioning Unit also carries out the task of predrying the input material. This is because moisture deposits on the film scrap can occur from time to time due to fluctuations in temperature and air humidity when production waste is kept in storage.

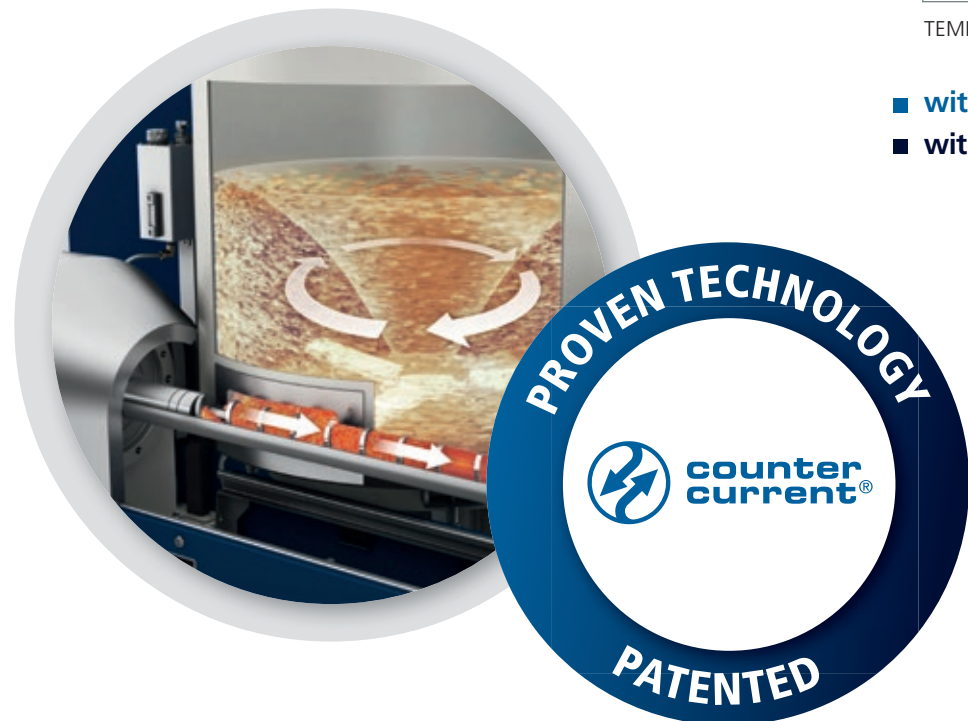
## Boost in efficiency with Counter Current®

With **Counter Current® technology** developed by EREMA, the Preconditioning Unit and extruder work more efficiently than ever before:

- **Highest process stability through improved material intake** ensures consistently high output over a very wide temperature range
- **Higher flexibility and operational reliability** with a variety of materials
- **Increased throughputs** with the same plant size for more productivity

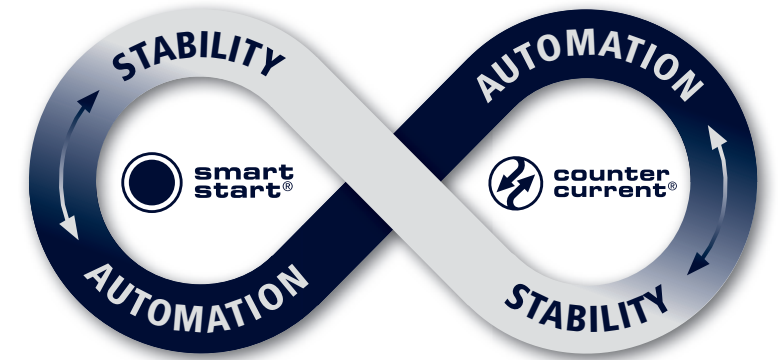


- with Counter Current® technology
- without Counter Current® technology



# SMART ADVANTAGES

The intelligent Smart Start® operating concept:



Smart Start® automation	Smart Start® recipe management	Smart Start® operation and data management
<p><b>Stable processes, top recycled pellet quality and reduced labour &amp; energy:</b></p> <p>Thanks to a high degree of automation through high-performance control technology</p>	<p><b>Ready to start sooner - the right recipe for every application:</b></p> <p>Saved processing parameters can be loaded easily and conveniently from the recipe management system at the push of a button. This saves valuable preparation time and ensures reproducibility and consistent processes.</p>	<p><b>Easy and convenient operation:</b></p> <p>Fewer buttons, clearly structured handling, ultramodern, ergonomic touchscreen operator panel.</p>

<p><b>Polymers</b></p> <ul style="list-style-type: none"> <li>• PE (LDPE, LLDPE, HDPE, MDPE, ...)</li> <li>• PP (BOPP, CoPP, CPP)</li> </ul>	<p><b>Products</b></p> <ul style="list-style-type: none"> <li>• Flat sheet</li> <li>• Stretch film</li> <li>• Blown film</li> <li>• Thermoforming sheet</li> <li>• Breathable film</li> <li>• Melt-embossed film</li> </ul>	<p><b>Material origin</b></p> <ul style="list-style-type: none"> <li>• In-house (from production)</li> </ul>	<p><b>Material form</b></p> <ul style="list-style-type: none"> <li>• Rolls</li> <li>• Edge trim</li> <li>• Bulk</li> <li>• Regrind material (fluff)</li> <li>• Individual and mixed</li> </ul>
<p><b>Wall thickness</b></p> <ul style="list-style-type: none"> <li>• 8 - 300 µm</li> <li>• 20 - 1000 µm</li> </ul>	<p><b>Contamination</b></p> <ul style="list-style-type: none"> <li>• Clean</li> <li>• Non-Printed</li> <li>• Lightly printed</li> </ul>	<p><b>Additives contained</b></p> <ul style="list-style-type: none"> <li>• &lt; 50 % CaCO<sub>3</sub></li> <li>• &lt; 10 % TiO<sub>2</sub></li> </ul>	<p><b>Moisture</b></p> <ul style="list-style-type: none"> <li>• Dry</li> <li>• &lt; 4 %</li> </ul>

ZeroWastePro: Typical process materials

# INTAREMA® ZeroWastePro

## Technical data.



INTAREMA® 504 K ZeroWastePro

INTAREMA® 605 K ZeroWastePro

INTAREMA® 756 K ZeroWastePro

LDPE, LLDPE		HDPE		LLDPE breathable film with 50 % CaCO <sub>3</sub>	
min.	max.	min.	max.	min.	max.
10	40	10	35	30	50
30	80	30	70	75	100
80	160	80	150	100	200



INTAREMA® 605 T ZeroWastePro

INTAREMA® 756 T ZeroWastePro

INTAREMA® 906 T ZeroWastePro

INTAREMA® 1007 T ZeroWastePro

INTAREMA® 1008 T ZeroWastePro

LDPE, LLDPE		HDPE		LLDPE breathable film with 50 % CaCO <sub>3</sub>		PP	
min.	max.	min.	max.	min.	max.	min.	max.
75	100	70	100	100	125	75	100
150	200	100	180	175	225	150	200
220	280	185	230	250	300	200	300
350	430	250	360	350	450	300	450
440	550	330	450	450	550	400	600



INTAREMA® 605 TE ZeroWastePro

INTAREMA® 756 TE ZeroWastePro

INTAREMA® 906 TE ZeroWastePro

INTAREMA® 1007 TE ZeroWastePro

INTAREMA® 1008 TE ZeroWastePro

LDPE, LLDPE		HDPE		LLDPE breathable film with 50 % CaCO <sub>3</sub>		PP	
min.	max.	min.	max.	min.	max.	min.	max.
50	75	50	70	30	75	50	75
100	150	80	125	75	150	100	150
150	220	130	170	125	200	150	250
250	300	165	250	140	250	225	325
230	400	230	330	180	320	300	400

Average output rates in kg/h, depending on material properties such as residual moisture, print, degree of contamination, etc.



INTAREMA® T ZeroWastePro

INTAREMA® K ZeroWastePro

INTAREMA® TE ZeroWastePro

### The right configuration for you

Depending on the application, proven EREMA standardised systems are available for feeding, filtration and pelleting.

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**More questions?****We would be pleased to answer them!**

Your EREMA advisor will be pleased to attend to your request personally and quickly. If you are interested in a demonstration or a test run with your specific material it would be a pleasure for us to make an appointment and welcome you to our EREMA Customer Centre at the headquarters in Ansfelden, near Linz in Austria.

We look forward to seeing you at EREMA!

**For worldwide representatives please visit [www.erema.at](http://www.erema.at)**

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