WE CLOSE THE LOOP.
The specialists in plastic recycling systems.
EREEMA is the **global market leader** in plastic recycling systems
EREMA. The Number One.
Some Facts.

• Turnover EREMA Group: 117 mio. Euro (fiscal year 2012/13)
• More than 400 employees worldwide
• Approx. 250 EREMA systems a year
• More than 4,000 EREMA systems in use around the globe produce approx. 14 million tons of top quality plastic pellets every year
EREEMA is based in Austria

Headquarters in Ansfelden, Austria.
EREMA is a global player
Customer orientation. The EREMA Customer Centre.

• Ultramodern at 13,000 ft²
• Trials with your own test material
• Realistic production conditions
• Therefore: your machine configuration can individually be optimised to your specific application
Customer Orientation.
The main recycling applications

In-house & Industrial
Post Consumer
Bottle Food Contact Approved
Fibre, Nonwoven, Tape, Textile
Special Materials Automotive, Compounding, Bioplastics, WPC
EREMA® Products. Overview.

- High tech plastic recycling
  INTAREMA® T, TE

- High performance degassing
  INTAREMA® TVEplus®

- Food contact approved
  VACUREMA®

- Edge trim recycling
  EREMA K

- Recycling & Compounding
  COREMA®

- Large volume recycling
  COAX®

- High capacity melt filtration
  SW RTF®

- High capacity melt filtration
  Laserfilter

- Pelletising solutions
  HG D

- Pelletising solutions
  ASP-CIC
Recycling Agricultural Plastic Waste
How is this accomplished?

• Collection / sorting
• Size reduction
• Washing / drying
• Melt, filtration, degassing & pelletizing
Recycling Agricultural Plastic Waste
Source material types.
Recycling Agricultural Plastic Waste
Material preparation

- Shredding
- Pre-washing – float/sink
- Grinders
- Series of washing tanks
- Centrifugal drying then mechanical
- Buffer silo storage – ready for pelletizing
INTAREMA® TVEplus®
Recycling system with high-performance degassing
INTAREMA® TVEplus®
Working principle

- Large EREMA cutter compactor with Counter Current technology
- Degassing zone downstream the melt filter
- EREMA melt filter
INTAREMA® TVEplus®
Triple degassing

- **Initial degassing** step inside cutter compactor
- **Reverse degassing** in the cutter compactor due to optimal screw design
- Gas inclusions in the melt are removed in the **extruder degassing zone**
EREMA SW RTF®
Backflush filter systems
EREMA SW RTF®
Backflush filter systems for thermoplastics

• Fully automatic and reliable backflushing mechanism
• Long screen change intervals
• Less labour required
• High end product quality
• Low melt loss
EREMA SW RTF®

Recycling lines. Characteristics.

• Dealing with different amounts of contamination
• Dealing with different types of contamination
  • Dust
  • Paper
  • Foreign plastics
  • Wood
  • Aluminium etc.
EREAMA SW 4/RTF®
Characteristics

• Continuous backflush filter with two pistons
• For medium contaminated polymers
• 75 % remaining active screen surface during backflushing
• Low pressure differences

production  backflush cleaning during production
EREEMA Laserfilter
High Capacity-Melt Filtration
EREMA Laserfilter

Field of application

• Thermoplastics contaminated with wood, paper, aluminum, copper etc.
• Typically used for washed film flakes in combination with INTAREMA® TVEplus®
• Contaminations which cannot be filtered by conventional systems efficiently
• Production of pellets in film quality from heavily contaminated thermoplastics
EREMA LF 2/350

Working Principal

• For heavily contaminated polymers as much as 2-3% (by weight)
• Scrapers continuously rotate against screen disk at low rpm to remove contamination
• Contamination is lifted away from the disc and discharged for removal
Recycling Agricultural Plastic Waste

Conclusion

• Recycling this material has its challenges, but it is possible.
• With the proper equipment and support by experts in the field it can be accomplished.
• It’s being done, the technology is here!
• EREMA is dedicated to providing solutions to recycling challenges and welcomes the opportunity to work with you.
Thank You!

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