



Polyfloat[®]

Improves the precision of density
plastic separation

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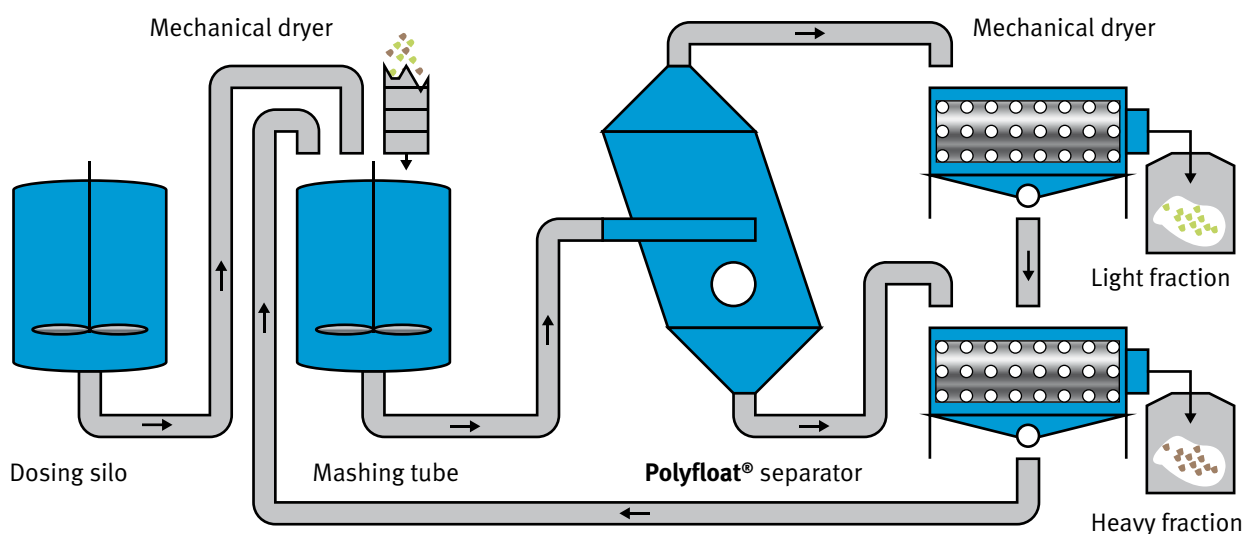
99% pure plastics

Polyfloat® is the leading technology for density separation of plastics from shredder residue as well as electric and electronic scrap. Developed by recycling specialist **SiCon** at least 99% purity is achieved. The secret is the innovative lamella separation system which eliminates the air bubble effect of traditional wet separation technology. Combined with high precision working process control equipment, **Polyfloat®** sets a new quality standard for plastic recovery.

Your advantages with Polyfloat®

- ▶ High-precision density separation increases profit
- ▶ Automatic adaptation of the density fluctuation
- ▶ Applicable for PE/PP, ABS/PS and other plastics as well as WEEE and vacuum operation
- ▶ Environment-friendly design: With integrated recovery and treatment of density media

Easy integration into existing plant



SiCon designs turnkey plants from the feeding of material up to the mechanical drying. This includes also steps of rubber and wood separation.



Eliminate the air bubble effect



All wet separation technologies work according to the density of the suspended particles. If these particles are porous, their cavities fill with air. Moreover air bubbles in the separation agent may deposit on the corners and edges.

This causes plastic particles to rise and ruins the purity of the fraction. The **Polyfloat**[®] technology eliminates this air bubble effect. Even in a vacuum environment it ensures outstanding clean fractioning.

Technical highlights

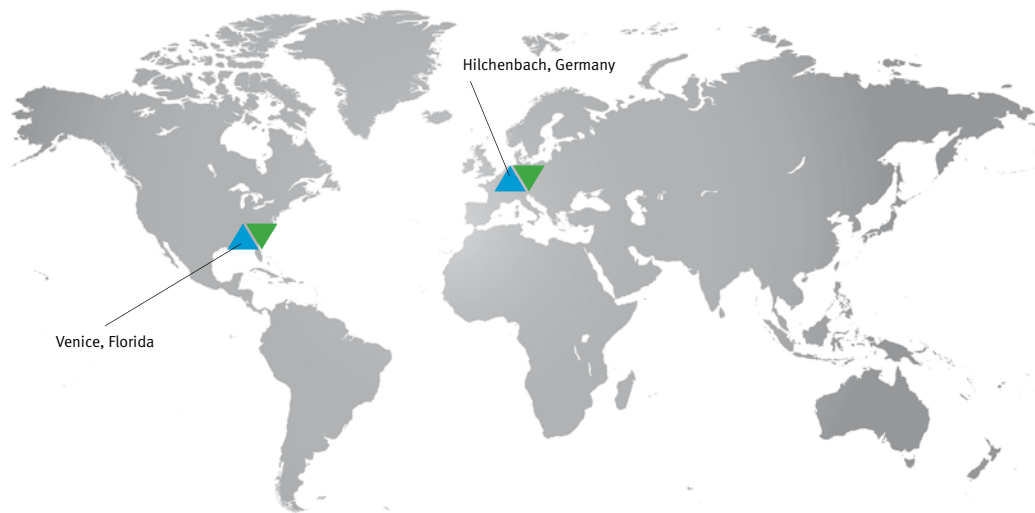
- ▶ Operation with various density separation routines
- ▶ Modular solutions for 1 up to 7 tons per hour
- ▶ Plastics grain size of 1 up to 15 (5/8") mm
- ▶ Space-saving footprint and easy integration into existing plants



The **Polyfloat**[®] lamella separator

Increased productivity and security

Polyfloat[®] not only increases the purity of the recovered light fraction. All processes are fully automated which allows immediate adaptation to density fluctuation. Various density media are available for perfect separation of different plastics. The modular design enables the stepwise increase in capacity up to 7 tons per hour. **Polyfloat**[®] makes your recovery plant more productive, more flexible and more secure.



Contact us – the recycling experts

With more than 12 years experience in the recycling industry **SiCon** is your reliable partner for the engineering and realization of recycling plants. Many well-known recyclers already trust in our services. When will you contact us to get more out of your plastics?



941-488-6154



SICON

Europe

SiCon GmbH
Vordere Insbach 26
D-57271 Hilchenbach
Germany
Phone: +49 (0) 2733 81176-0
Fax: +49 (0) 2733 81176-20
E-mail: info@sicon.eu
www.sicon.eu

North America

SiCon America
P.O. Box 1615
Venice, Florida 34284-1615
USA
Phone: 941-488-6154
Fax: 800-471-2609
E-mail: n.geiss@sicontechnology.com
www.sicon.eu