

**HELIOstar®-S**  
**HELIOmix®-S**  
**HELIOclean®**

- ➔ **2-/or 3-stage separation/dedusting of plastic pellets for direct drying/processing**
- ➔ **adjustable dedusting degree almost up to 100%**
- ➔ **for all engineering thermo-plastic resin types**

application example



**HELIOstar®-S for 1 component**



**HELIOmix®-S for 2 components**

HELIOmix-S installed on WINsystem dryer



own control

- 1 display
- 2 conveying time
- 3 component B %
- 4 separating/dedusting
- 5 conveying time control
- 6 On/Off
- 7 upwards
- 8 downwards



suction lance short/  
long, Venturi V2



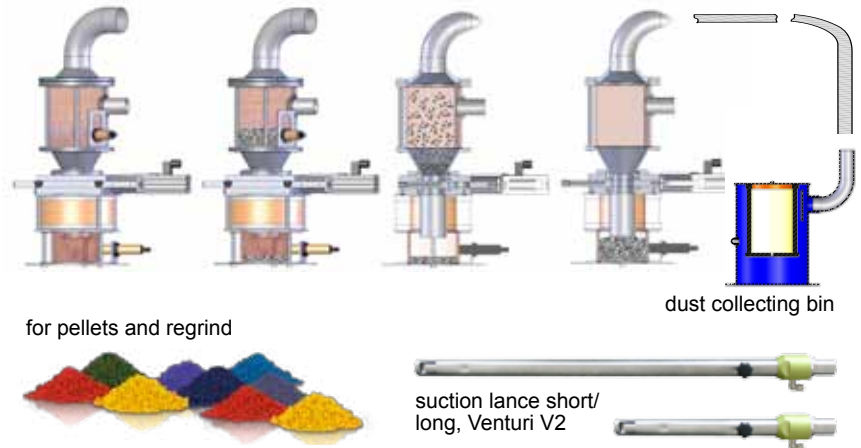
### HELIOstar®-S / HELIOmix®-S 2-stage separation with dedusting

- material conveying by means of ejector suction lance
- dedusting chamber of special glass
- stirring-up of pellets with help of compressed air nozzles at discharge slide valve
- intermediate cleaning of the dedusting chamber
- wear-resistant suction lance of stainless steel
- capacitive filling level sensor
- separate dust collecting bin with a large clean air filter
- conveying and dedusting control unit with function keys for 1 or 2 components

#### optional equipments

- conical storage hopper 0,5 or 3 liters
- machine adapter with shut-off valve

#### operating principle

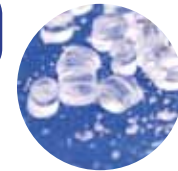


## superior dedusting

### HELIOclean® 3-stage dedusting

Basing on its small size and light weight, the HELIOclean® can be installed directly on a dryer placed on plasticizing unit.

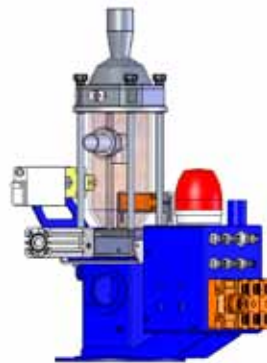
- dedusting chamber of special glass with dust collector placed on buffer bin, closed at bottom by means of suction slide valve
- integrated conveying gently to feed the dedusting chamber in batches
- compressed air ionisation device to separate the dust from resin
- 2 low-pressure generators to remove the dust by suction
- separate dust collection bin
- extensive process control



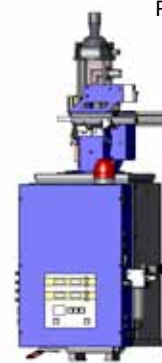
dusty  
PMMA resin



cleaned  
PMMA resin



HELIOclean® deduster



HELIOclean® deduster  
on a dryer



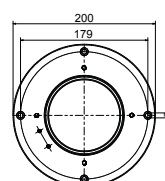
HELIOclean® control  
(own unit)

### technical data

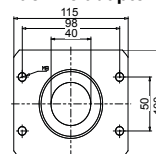
separator/deduster type	HELIOstar-S	HELIOmix-S	HELIOclean
basic material	special glass / stainless steel / aluminium		
conveying piper-Ø	DN 32		DN 22
weight (kg)	9		
impulse by	filling level sensor		
application area approx. (kg/h)	up to 15		up to 5
grade of dedusting	high		very high
footprint LxB (mm)	500 x 250		370 x 410
height (mm)	510		530

#### flange measurements

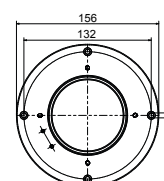
HELIOstar-S/HELIOmix-S



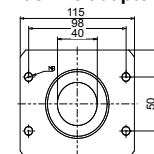
machine adapter



HELIOclean



machine adapter



Helios products  
and methods  
are patented

