

**Recycling redefined**  
efficient, sustainable, economical.

# Efficient Plastics recycling

Discover our machine solutions:

Screen Changers

Cutting mills

Silos

Big Bag feeding & bagging stations

# Screen Changer

We offer single and twin-piston screen changers for the filtration of plastic melts.

The screen diameters range from 58 mm to 250 mm. The screen changers are designed as continuous filters so that screens can be changed during operation without interrupting production. The pistons are moved hydraulically.

Depending on the equipment variant, the screen changers are supplied with a position switch and visualisation.

The screen changers are designed so that they can be integrated into any system if required. Corresponding adapter flanges enable adaptation to all standard extruders. Describe your task to us and we will be happy to offer you the right melt filter.



## Advantages of our screen changers



Available for material throughput rates of up to 2,000 kg/h, screen diameters from 58 mm to 250 mm



Depending on requirements and application, both 1-piston and 2-piston screen changers can be used



Continuous operation, no production interruptions, even during screen changes



The screen changer pistons are extended and retracted hydraulically



Low maintenance, simple operation, continuous pressure monitoring

## Strength & benefit

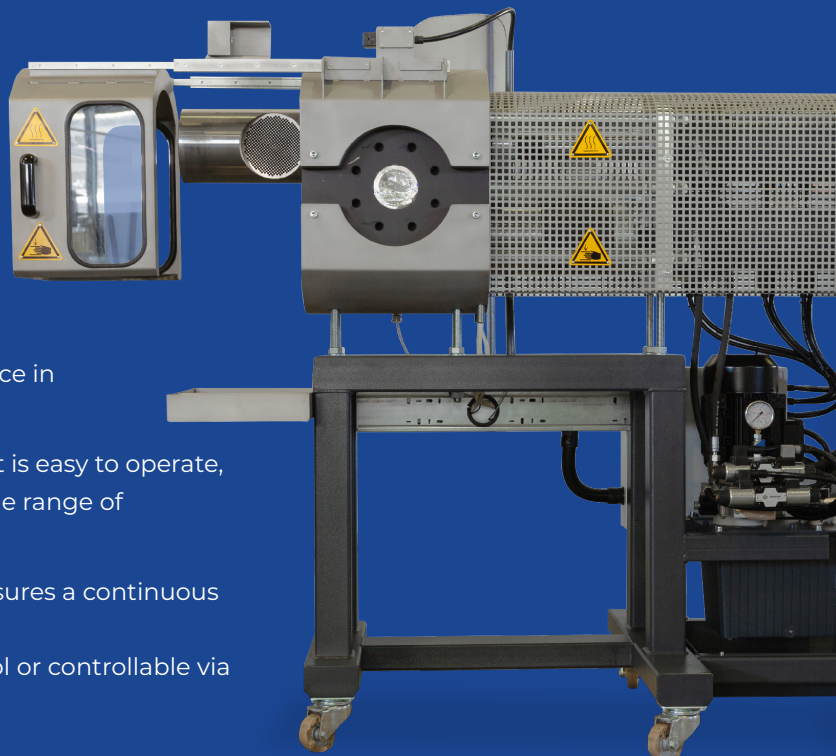
Discover our piston screen changer!

A technology based on decades of experience in robustness and long lifespan.

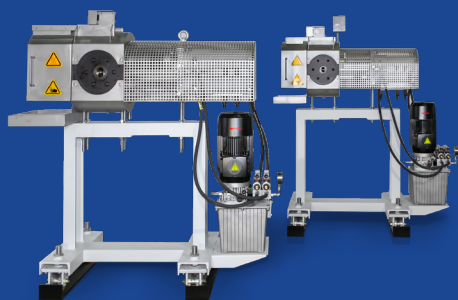
With an excellent price-performance ratio, it is easy to operate, maintenance-friendly and suitable for a wide range of processes and materials.

Changing the screen during production ensures a continuous melt flow without interrupting production.

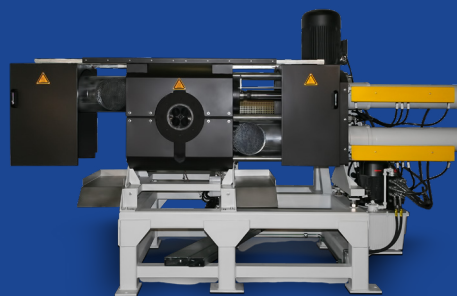
Optionally with stand-alone Siemens control or controllable via the pelletiser/extruder.



## 1 Piston



## 2 Piston



### Discontinuous disc screen changers SW series

Model SW	No. of Sieves	Sieve Ø mm	Active Sievesurface cm <sup>2</sup>	Troughput kg/h
SW 40	1	40	12	60 - 110
SW 60	1	55	23	80 - 130
SW 70	1	72	40	100 - 150
SW 100	1	100	78	130 - 250



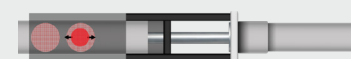
100% Production



0% Screen change

### 1 - piston screen changer SWY

Model SWY	No. of Sieves	Sieve Ø mm	Active Sievesurface cm <sup>2</sup>	Troughput kg/h
SWY 58	2	58	26	40-180
SWY 76	2	76	45	80-280
SWY 96	2	96	72	140-380
SWY 116	2	116	105	200-530
SWY 125	2	125	122	300-700
SWY 148	2	148	172	420-1080
SWY 176	2	176	243	700-1500
SWY 200	2	200	314	840-1900



100% Production



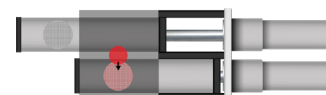
0% Screen change  
(Selectable sieve 1 or sieve 2)

### 2 - piston screen changer SWE with 2 screen positions

Model SWE	No. of Sieves	Sieve Ø mm	Active Sievesurface cm <sup>2</sup>	Troughput kg/h
SWE 58	2	58	52	40-180
SWE 76	2	76	90	80-280
SWE 96	2	96	144	140-380
SWE 116	2	116	210	200-530
SWE 125	2	125	244	300-700
SWE 148	2	148	344	420-1080
SWE 176	2	176	486	700-1500
SWE 200	2	200	628	840-1900



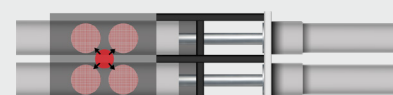
100% Production



50% Screen change

### 2 - piston screen changer SWE with 4 screen nests

Model SWE	No. of Sieves	Sieve Ø mm	Active Sievesurface cm <sup>2</sup>	Troughput kg/h
SWE 58	4	58	104	40-180
SWE 76	4	76	180	80-280
SWE 96	4	96	288	140-380
SWE 116	4	116	420	200-530
SWE 125	4	125	488	300-700
SWE 148	4	148	688	420-1080
SWE 176	4	176	973	700-1500
SWE 200	4	200	1256	840-1900
SWE 250	4	250	1960	≈1900



100% Production



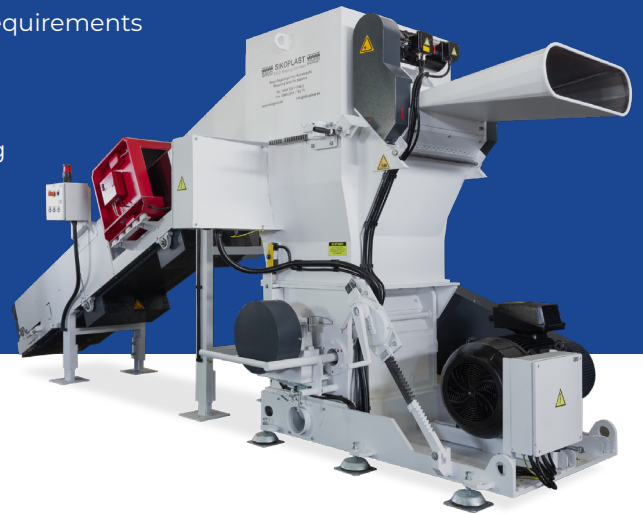
75% Screen change



# Cutting mills

Our cutting mills can be optimally customised to your requirements thanks to a wide range of accessories.

In addition to roll feeders for the automatic feeding of rolled goods, conveyor belts are also available for feeding loose feed goods, as well as cyclones for feed goods that are extracted directly from the production process.



## Advantages of our cutting mills



Material throughput rates of up to 2,000 kg/h



Can be extended with automatic roll infeed, conveyor belt with metal detector and/or cyclone for feeding roll goods, loose feed goods and/or edge trims



Robust construction made of welded steel



Available as a dry or wet cutting mill



The flake size can be selected by choosing the screen size



Special arrangement of the knives prevents the cutting mill from jamming / blocking



No contamination and/or thermal load on the bearings, as they are located on the outside of the cutting mill

## Cutting mill series:

- G 300 series, throughput capacity 100 kg/h to 600 kg/h
- G 500 series, throughput capacity 450 kg/h to 2000 kg/h

1. Manual
2. By conveyor belt



## Technical data:

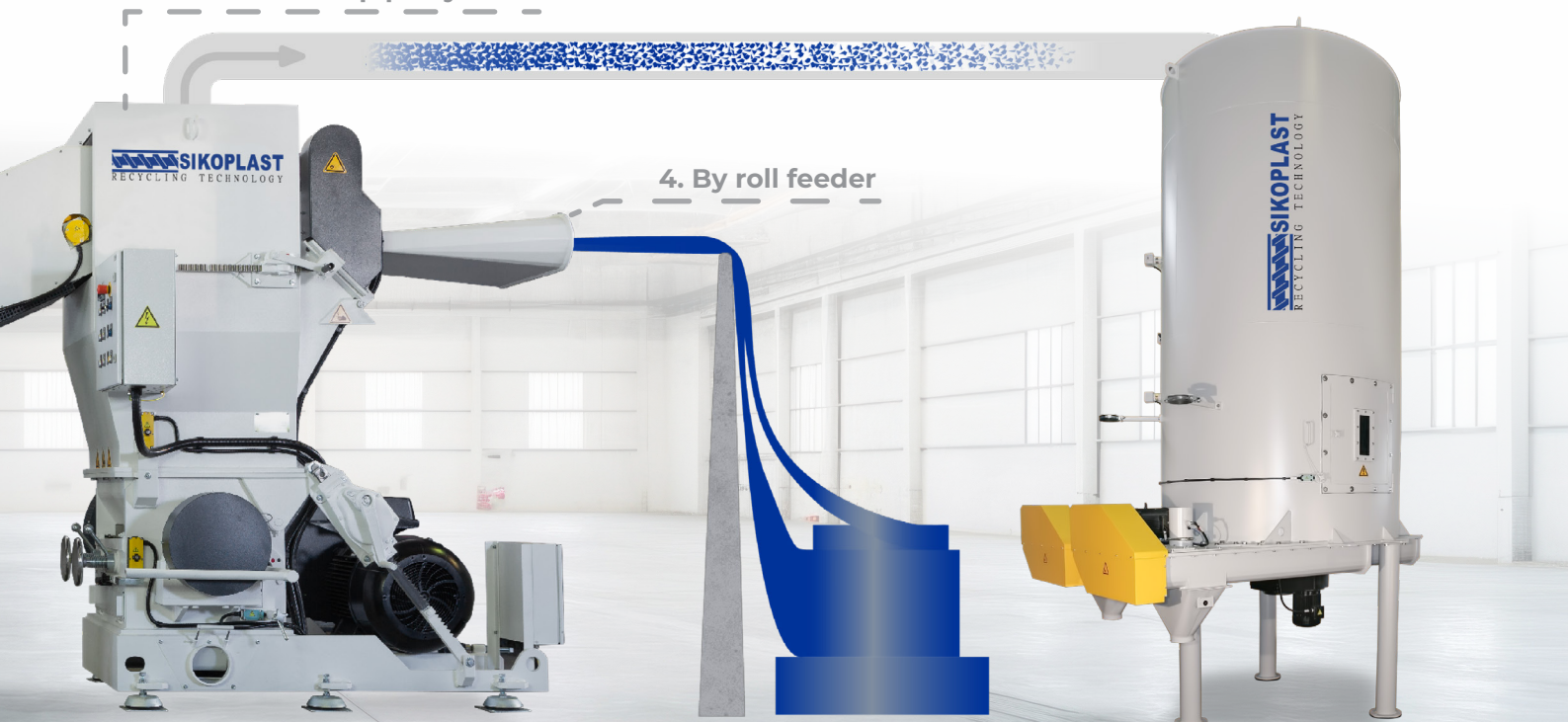
Model	Motor (KW)	Rotor diameter (mm)	max. Throughput (kg/h)
G 300/300-3	22	300	100 - 200
G 300/500-6	37	300	150 - 350
G 300/700-9	55	300	250 - 500
G 300/900-12	55	300	300 - 600
G 500/700-12	75	500	450 - 800
G 500/900-16	75	500	550 - 1100
G 500/1100-20	110	500	650 - 1400
G 500/1500-28	110	500	1000 - 2000

\* approx. depending on input material

- Welded steel housing
- Rotor shaft bearing outside the housing
- 2 stator-knives installed
- Knives adjustment outside the grinder using a setting gauge
- Short downtime for Knife change
- No deposits in the grinding chamber
- Recommended screen sieve sizes are 8 - 50mm
- Optionally with discharge screw for heavy bulk materials



### 3. Pneumatic via pipe/cyclone



### 4. By roll feeder

WE HAVE THE APPROPRIATE SOLUTION

# Silos

## STORAGE and MIXING SILOS

- » GMS 5: 5 m<sup>3</sup>
- » GMS 10: 10 m<sup>3</sup>
- » GMS 15: 15 m<sup>3</sup>
- » GMS 20: 20 m<sup>3</sup>
- » GMS 25: 25 m<sup>3</sup>

## APPLICATIONS

Film flakes, fibres, granulate,  
non-free-flowing materials



## Advantages of our silos

Continuous circulation of the input material  
by means of vertical Mixing screw



Homogenisation of the input material



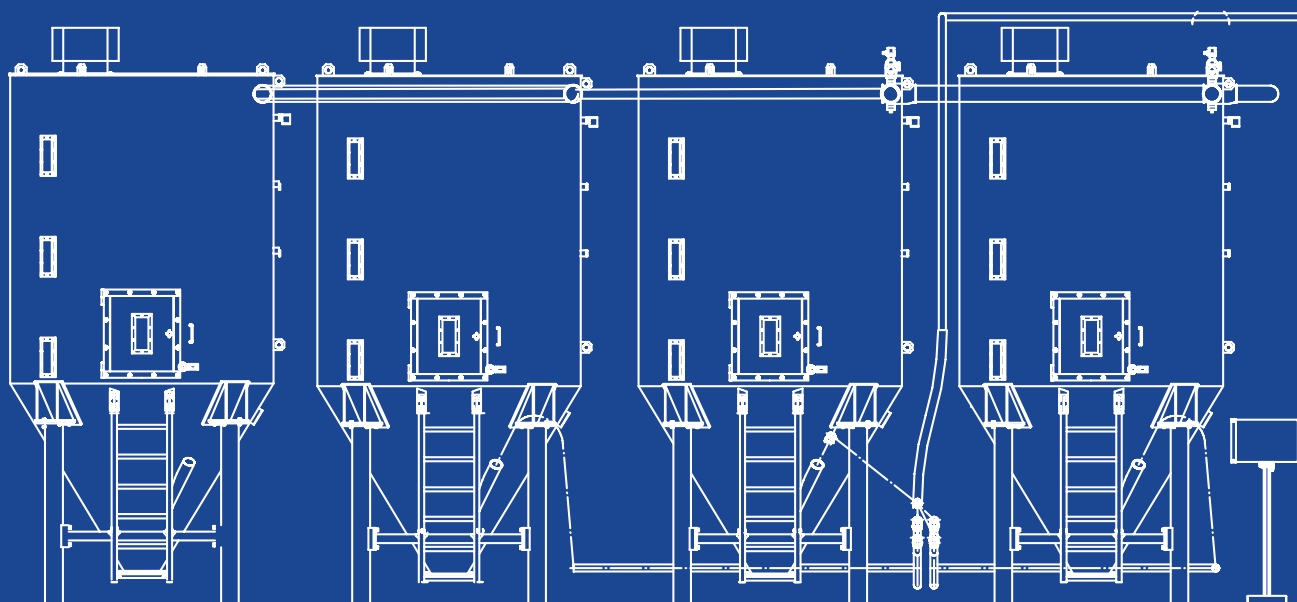
Dimensional customisation to customer  
requirements and local conditions



Feeding by means of a blower or  
Feeding screw



## Silos





# Big Bag

## Feeding stations

For automatic material feed into the downstream unit.

### Unit consisting of:

- Pick-up frame with manual swivel arm for hanging the big bags
- Material hopper
- Feeding screw
- Frequency-controlled drive of the feed screw
- Material feed monitoring by means of rotary paddle detector (min. alarm)
- incl. electric crane for lifting the big bag
- max. big bag weight: 1.500 kg
- \*max. big bag height: 2.000 mm

\*Special sizes available on request

## Bagging station

Universal bagging station

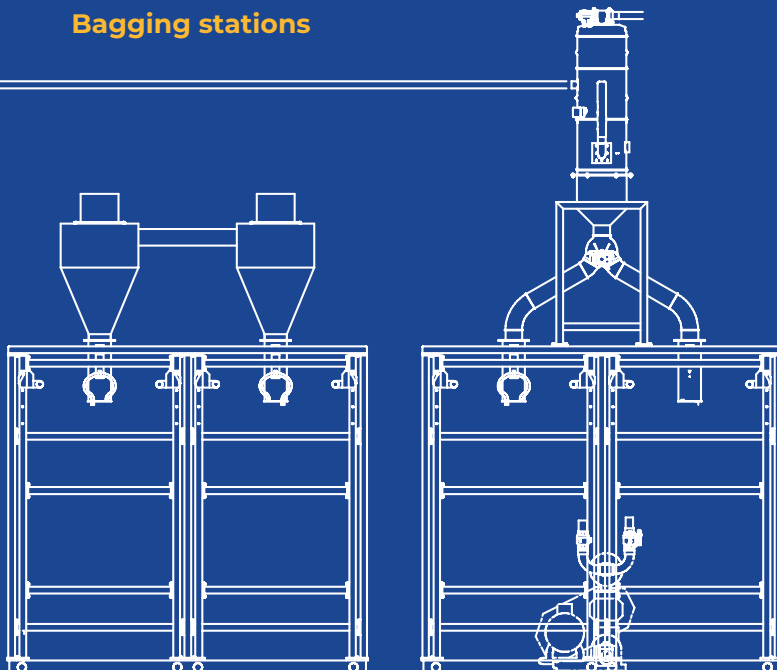
SIKOPLAST bagging station available including blower, pipework and cyclone for filling the conveyed material into octabins or big bags.

Selectable as standard between 1 and 3 filling stations.

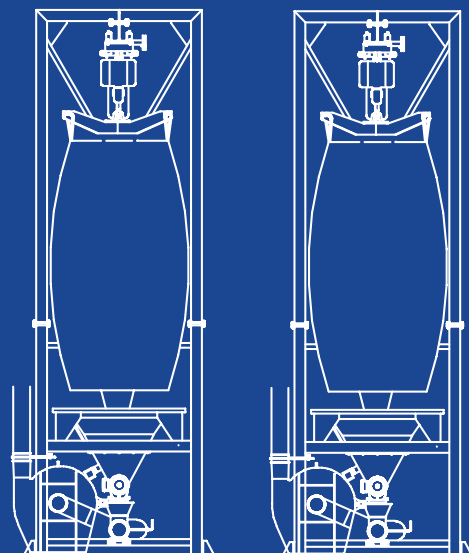
Incl. suspension device for displaying and determining the weight and automatic switchover to the next filling station when fully loaded.



### Bagging stations



### Feeding stations





## **SIKOPLAST**

Recycling Technology GmbH

Mülheimer Straße 1

53840 Troisdorf

+49 2241 127765 10

[www.sikoplast-recycling.com](http://www.sikoplast-recycling.com)

[info@sikoplast-recycling.com](mailto:info@sikoplast-recycling.com)