

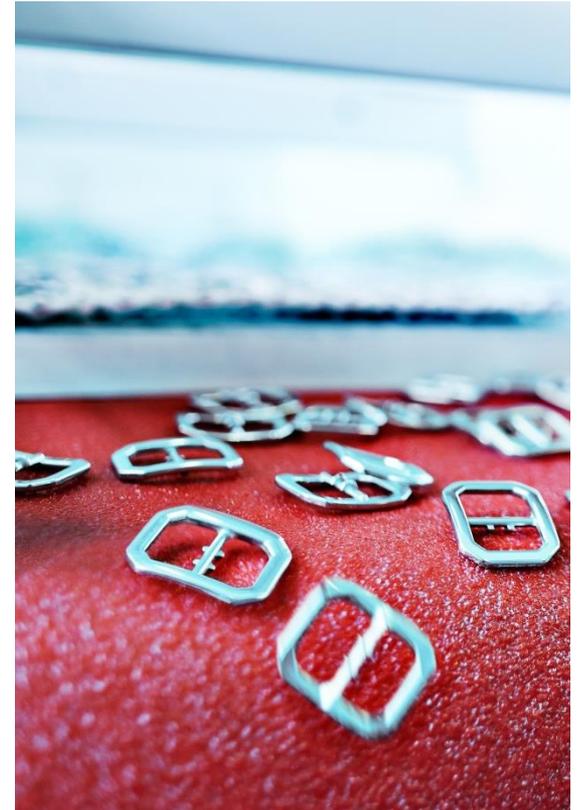
SEPARATING UNITS



SEPARATING UNITS

Application

- Separating workpieces and media, e.g. grinding abrasives
- Separating within minutes
- Replacing time consuming manual work

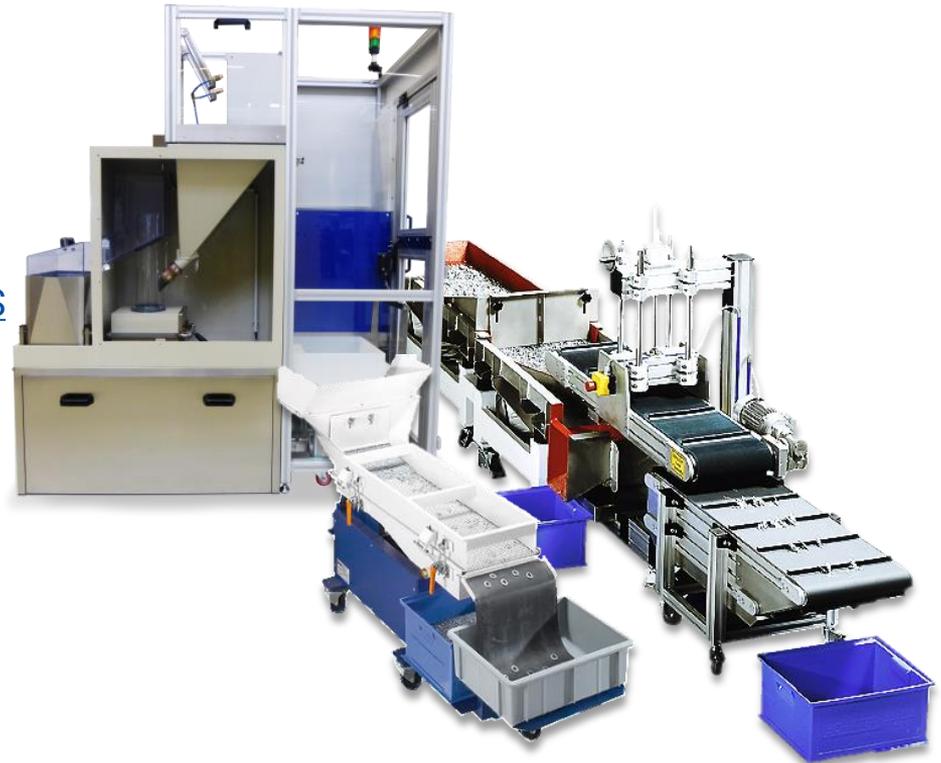


SEPARATING UNITS

FLOW SEPARATION FS SERIES

SCREEN SEPARATOR UNISEPA & SSR SERIES

MAGNETIC SEPARATION MSR SERIES



SEPARATING UNITS

Flow separation technique

- Because of the different densities of the workpieces and the media, these can be separated by flowing water within a few minutes in a completely automated process
- The workpieces are collected in a basket and the media in a container
- The rate of water flow can quickly and easily be adjusted to suit different mixtures of workpiece and media
 - The greater the difference in density between the workpieces and the media, the easier they are to separate, because a higher rate of flow rate can be selected



SEPARATING UNITS

Flow separation FS Series

- Separation within a few minutes in stead of expensive and time-consuming manual operation
- For fast and reliable separation of workpieces and media such as abrasive granulate

Advantages

- Short processing times
- Reliable separation within a few minutes
- Efficient production
- Eliminates costly manual separation
- Cost-effective
- Top performance at an affordable price



[Video](#)

SEPARATING UNITS

Screen separation technique

- The mixture to be screened out is poured into the hopper system of the screening unit by hand and conveyed onto the screen by vibration
- A flow regulator at the hopper enables the ideal rate of flow to be set
- The speed setting enables the vibration frequency to be adjusted to suit various mixtures as required (screening speed)
- The amplitude of the screening unit can also be increased or reduced by varying the oscillator weights on the vibration motor
 - Greater amplitude, for example for semi hollow workpieces
 - Lesser amplitude for gentle separation of sensitive workpieces



SEPARATING UNITS

Screen separator SSR Series

- Separating units SSR Series specially designed to give
 - the most reliable degree of separation
 - the highest coefficient of separation
- Up to 3 cascading stages with additional devices for reliably turning the workpieces (e.g. for parts with large flat surfaces)
 - prevents the grinding/polishing media from being carried over
- Rinsing and blowing off of the workpieces during separation
- Non-stick coating to reduce wear and noise
- Bar screen with additional device for aligning the workpieces during separation
- Effective screen length up to 1200 mm



SEPARATING UNITS

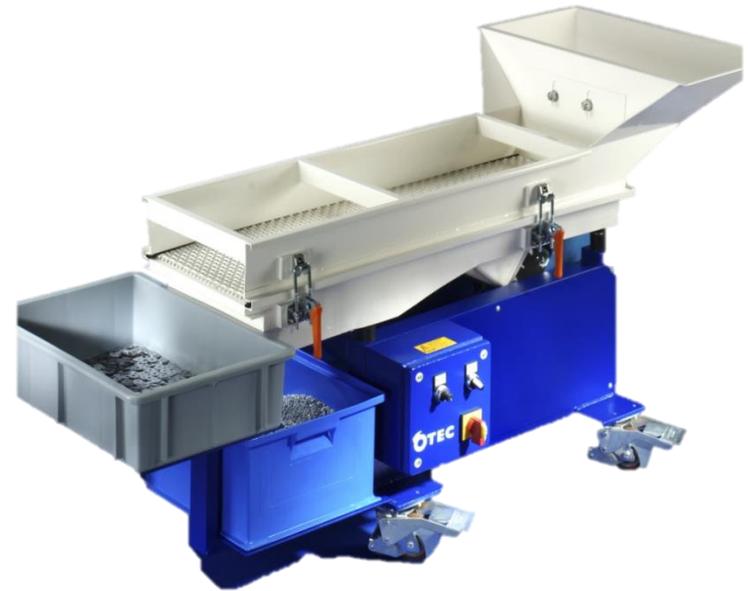
Mobile screen separation UNISEPA Series

Mobile Screen separation

- Compact
- Moveable
- Flexible
- Universal system designed for separating vibratory grinding abrasives and workpieces

Advantages

- Fast and user-friendly screen change
- Controllable rate of separation
- Extremely cost-effective
- Mobile for greater flexibility



[Video](#)

SEPARATING UNITS

Mobile screen separation UNISEPA Series

Sieve options

- Spray system to clean the work pieces
- Fresh water connection
- Hopper
- Collector for workpieces including water draining system
- Sieve which does not start directly with holes under the hopper
 - Prevents long parts from sticking in the holes
- Obstacles on the sieving screen prevent that long parts are travelling perpendicular to the rods. Like this they can easily be separated from the media (reverse separation)
- Separation of smallest media
 - Under the sieve, there is another screen which
 - Separates, depending on the screen size, media that have become too small due to abrasion
 - Removes water from the media

SEPARATING UNITS

Magnetic separation MSR Series

- System designed to reliably separate ferromagnetic workpieces from the abrasive media
- Unlike conventional magnetic barrel separators, the MSR system has a much larger operating range
 - reliably separates even the smallest workpieces
 - automatically demagnetization unit

The following parameters are infinitely adjustable

- Distance between magnet and abrasive media/workpiece mixture
- Belt speed
- Magnetic separating belt
- Demagnetization

Advantages

- Reliable and consistent separation
- Automatic process





THANK YOU FOR YOUR ATTENTION.