

SPALECK®

FORWARD THINKING. SINCE 1869.

CONVEYING & SEPARATION TECHNOLOGY

› PHARMA › CHEMISTRY › FOOD



www.spaleck.de

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CONVEYING & SEPARATION
TECHNOLOGY

PET FOOD



FOOD



SWEETS



CHEMICAL INDUSTRY



PHARMACEUTICAL INDUSTRY



SPALECK

VIBRATORY MACHINES FROM STAINLESS STEEL

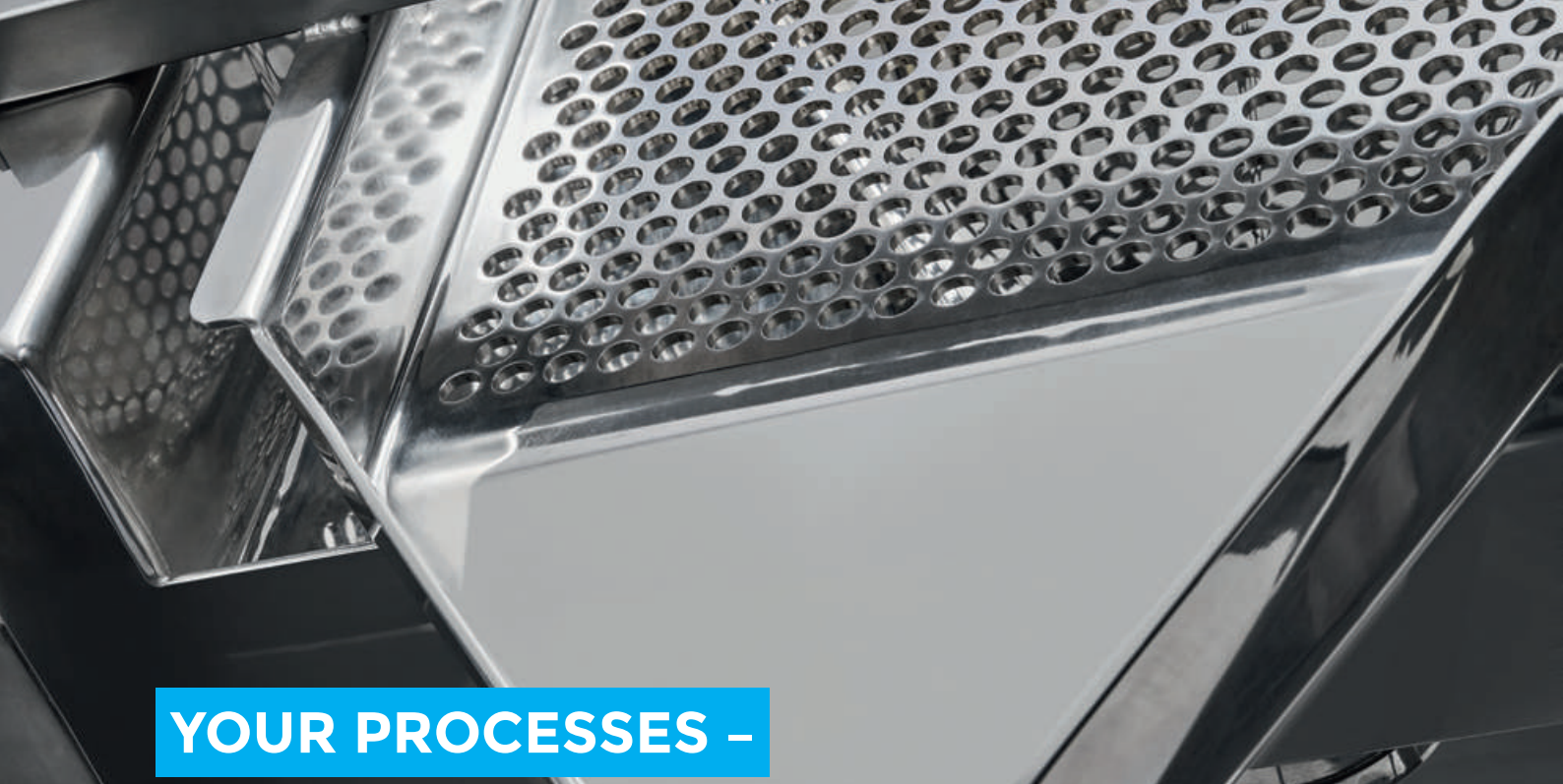
WE DON'T SIMPLY OFFER PRODUCTS - WE OFFER CUSTOMISED SOLUTIONS

Whether in the chemical, plastics, pharmaceutical, or food industry: SPALECK vibratory machines meet the highest requirements, even for complex and elaborate tasks.

With our machines you can convey, screen and dose, dewater and dry bulk materials of all kinds.

Many years of experience, comprehensive know-how with a wide range of skills and a state-of-the-art technical centre that meets the highest standards enables us to meet the most diverse requirements of our customers with highest quality.





YOUR PROCESSES – OUR SOLUTIONS



POWERFUL VIBRATORY EQUIPMENT FOR YOUR PROCESSES – CUSTOM-MADE & HIGHLY EFFICIENT!

Our conveying & separation technology supports you in
the following steps:



SCREENING



CONVEYING



DOSING & HOMOGENISATION



DEWATERING



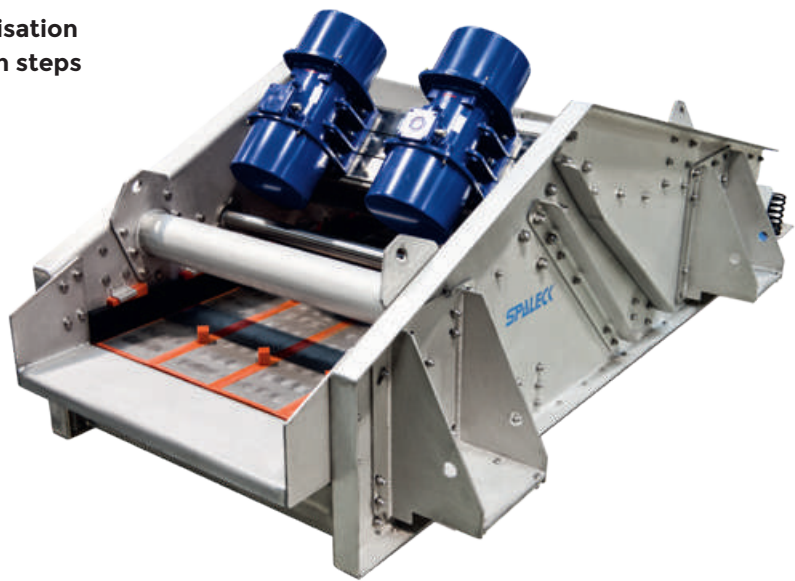
DRYING



CONTROL-SCREENING

EXAMPLES OF TYPICAL PROCESSES IN WHERE SPALECK IS APPLIED:

- › Initial control screening before
the process starts
- › Dewatering of products after washing
- › Drying after water-based
production stages
- › Protective & control screening during/after
production process
- › Dosed feeding & homogenisation
for downstream production steps
and/or packaging



CONTROL & PROTECTIVE SCREENING



Strict quality requirements are applied to the production of food, chemical or pharmaceutical products. With our control & protective screening equipment, you are on the safe side! They screen out impurities and contaminants very reliably. At the same time, our machines are 100% tailored to customer requirements and meet the highest hygiene & production standards.

Control screening of PET flakes, pneumatically controlled screen panels

Variables influencing the screening process:



MATERIAL



SCREEN AREA



TYPE OF SCREENING MACHINE



SCREEN CUT

The shape of the vibrating movement is a significant factor for achieving the optimum conveying or screening result. It depends on the selected drives & is based on the respective application of the machine.



SKLU 800-300*7350

Screening machine with pneumatically tensioned screen cassettes

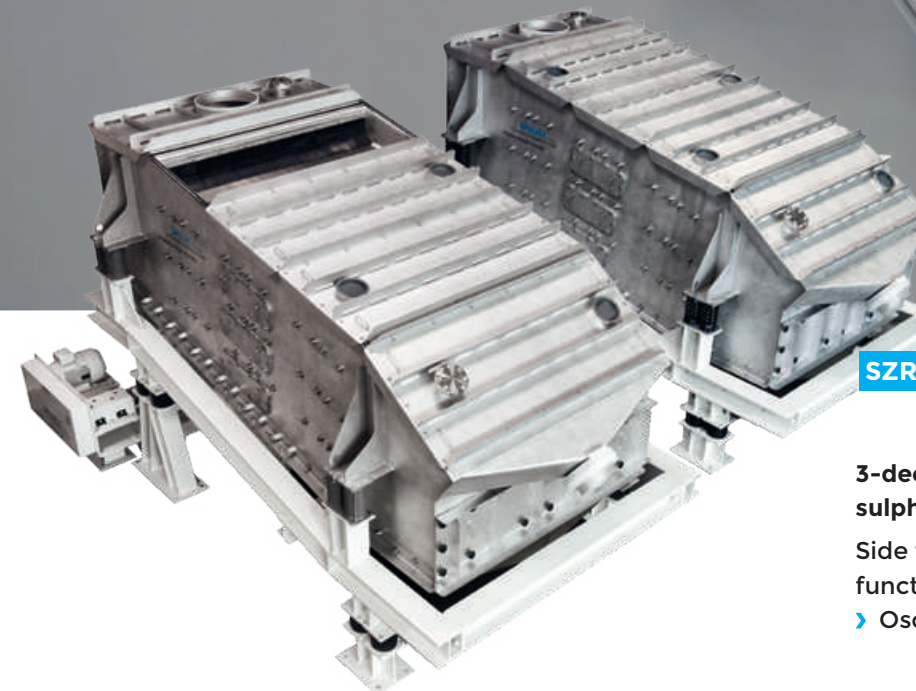
For quick change of the screening decks
 > Reduces cleaning time > Screening of pet food into 3 fractions > Screening is done consecutively, from fine to coarse



**SFLU 1000-150*3500
SELU 400*1000**

Single deck vibrating screen for screening of pet food

Combined line consisting of a conveyor and dosing line and a single deck vibrating screen for the control screening of pet food



SZRU 2000*3200

3-deck vibrating screen for dry lysine sulphate granulate

Side tensioned wire screen with cleaning function > Driven by unbalance exciter > Oscillation frame to reduce dynamic forces



SKLN 600*2000

Single deck vibratory screen

Control screening and conveying line for pharmaceutical salt > Product-carrying area with radii > 30 mm > Trough design > Cover with quick-release clamps and two inspection ports



SKLU 700-250*1500

Linear vibratory screen for plastic granulate

Screen deck as insert frame > Quick release clamps > No blind areas > Flat movement angle of unbalanced drives for exact length screening of the granules





SPALECK ComfortLINE

THE NEW BENCHMARK FOR PROFESSIONAL CONVEYING, SCREENING & DOSING

Our conveying & separation technology is being developed for and together with our customers. Whether it is our screening machines and vibratory feeders for the recycling industry or our machines made of stainless steel according to GMP standard, two things count in particular: An outstanding performance & maximum operating comfort.

The SPALECK ComfortLINE conveying & separation technology is especially designed for the pharmaceutical, chemical, plastic, food & pet-food industry. The machines combine a maximum ease in operation and cleaning with first class screening results - ideal for pharmaceuticals, chemicals, powders and granulates as well as all kinds of (pet) food.

Due to a very intelligent machine design, material caking is reduced to a minimum, blind areas are avoided and best accessibility is guaranteed.



With the SPALECK ComfortLINE, we offer stainless steel screening machines and troughs with maximum ease of use. Our customers benefit from an intelligent machine design, guaranteed excellent screening quality, high conveying capacity & user-friendliness with best accessibility for cleaning. Test the SPALECK ComfortLINE - you will be thrilled!

- › Highest quality
- › Customised machines
- › Highest hygiene and cleanliness standards
- › Optimal cleaning possibilities
- › Adaptable to different material requirements
- › Minimal downtime for cleaning, maintenance & screen panel changing
- › Maximum process reliability
- › Optimal for quick product changes
- › Very high performance in screening, conveying and dosing
- › Designed according to GMP standard

GRANULATE SCREENING MACHINES & OVERSIZE SEPARATORS



SELU 850*1000

Single deck screening machine for control screening and oversize separation of special polymer granulate

Closed design, free of blind areas > Screening deck and cover pneumatically tensioned for easy cleaning

Our standard:

Simple & tool-free screen deck change

Screen decks can be designed as a cassette or a tensioned system. The fixation is done without tools via the cover or the frame of the machine, by using either pneumatic devices or quick release clamps.



When producing granules, some particles may not have an uniform size or shape. Our granulate screening machines will help you separate the heterogeneous particles from the remaining homogeneous granulate. These machines separate the material according to size and prepare it for further processing in granulate production. Our oversize separators are especially designed for plastic granulates – so that miscuts in the form of spikes can be separated effectively from the granulate.

YOUR ADVANTAGES:

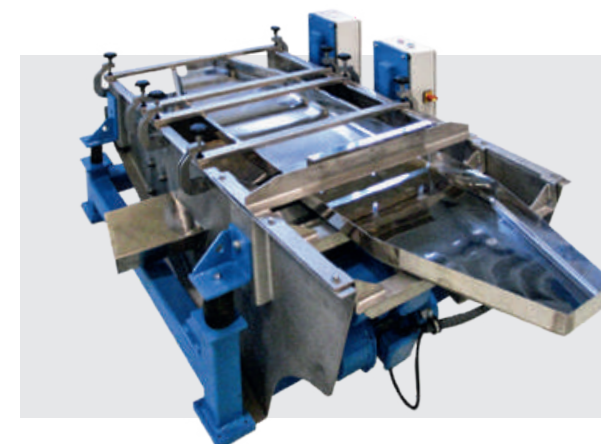
- > Optimum adaptability to your materials
- > Constant, very high product quality of granulate
- > Very high screening accuracy and sharpness of separation
- > High screening capacity
- > Suitable for all types of granulate
- > Efficient and economical processing technology



SZLU 600*1000

Double-deck vibrating screen for plastic granulate

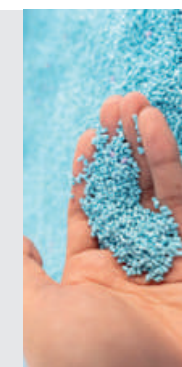
Open design > Screen deck is designed as an insert-frame for easy product changes



SELU 800*1000

Screening machine for control screening of plastic granulates

Screen frame clamped with quick release clamps > Easy cleaning without removal of the screen deck



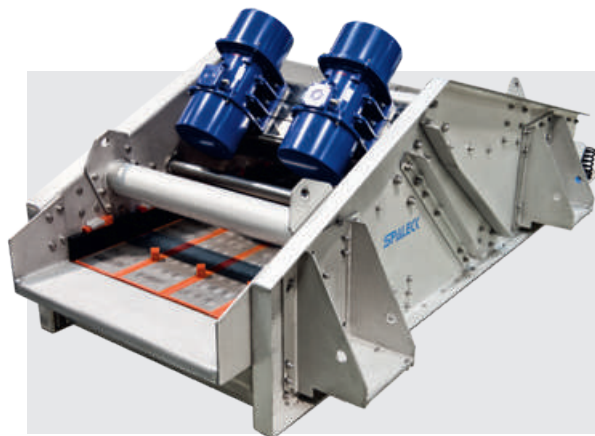
DRYING & DEWATERING

Dewatering screens are linear vibrating screens with directional vibration, which are used for dewatering moist materials. The screening panels are preferably made of polyurethane, wire cloth, wedged wire screens or special punched-plates. The machine is driven by double unbalance drives or unbalance exciters. The shifting and the shifting angle are adapted to the specific application and are often adjustable.



SERO 1400*3750

Special design for dewatering of plastic granulate with integrated control screening
On the infeed side, the dewatering is carried out on a split wire screen and an integrated dewatering section › On the discharge side the control screening takes place on a wire cloth › The shifting is adjustable



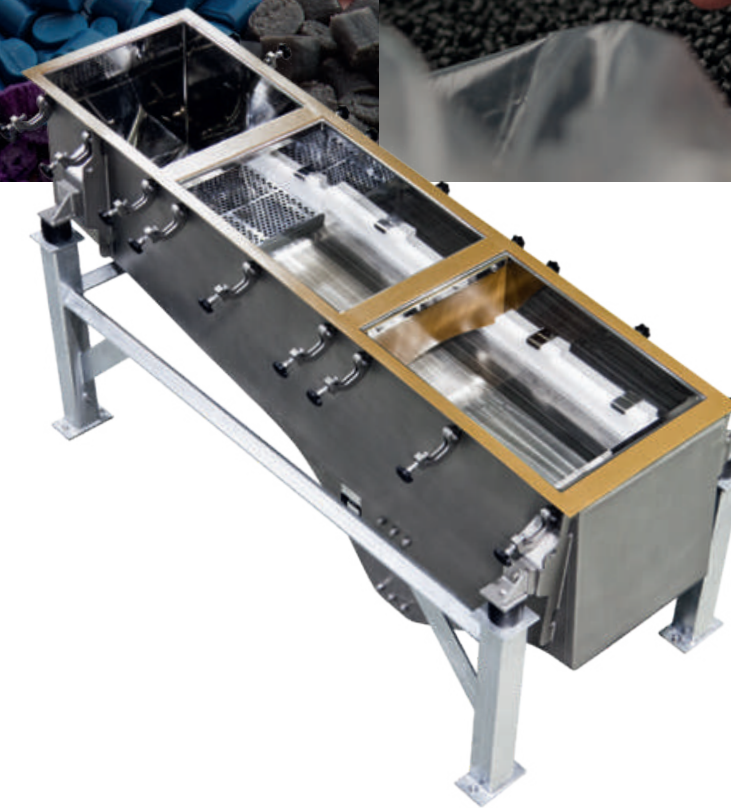
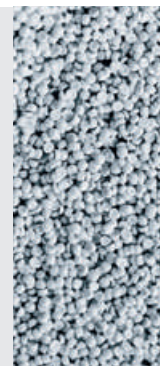
SELO 1800*3000

Single deck vibrating screen
Flat screen panel preferably made of polyurethane or of special perforated plates (here: Conidur screening panels) › Use of baffle bars to further reduce the moisture content



SELU 600*1500

Single deck vibrating screen in closed design
Cover with quick release clamps
› Dewatering of plastic granules



SELN 600*1900

Clean room machine for dewatering of granulate with integrated control screening
No blind areas inside the machine
› Depending on the required material moisture, the settling time on the machine can be adjusted by setting the unbalance drives

- › Dewatering takes place on a split wire screen at the infeed area
- › The control screening is carried out before the discharge by using a wire screen
- › The shifting is designed to be adjustable



VIBRATORY FEEDERS & TUBES



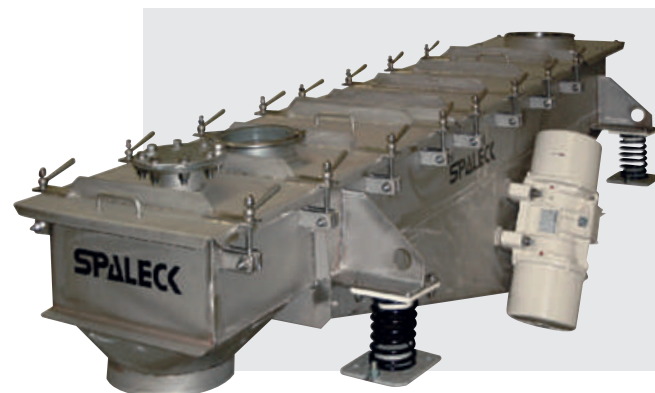
Vibratory conveyors and tubes are devices which convey the material by using directed vibrations. The exact design and composition of the vibratory conveyor troughs and tubes are tailored for the respective application and designed according to customer specifications.

CLASSIC APPLICATIONS

- › Homogenising
- › Product-distribution
- › Conveying
- › Dosing
- › Hopper discharge

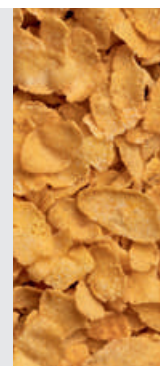
PRODUCT BENEFITS

- › Blind Area-Free – hardly any caking
- › Compact design
- › Low wear
- › Low operating costs
- › High operational reliability
- › Good price-performance ratio



SFLB 400-150*2450

Vibratory conveyor for the equalisation of cereals for the optimal feeding of dryers



› PHARMACEUTICAL & CHEMICAL INDUSTRY



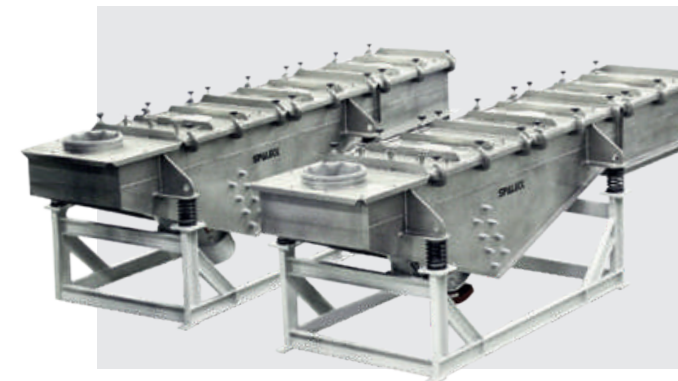
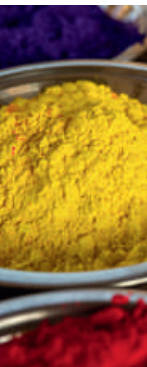
SRLN 508*6700

Vibratory conveyor tube for plastic granules



SFLU 1400-220*5650

Conveyor trough for plastic powder to homogenise the product in order to optimally feed the downstream dryer



SFLU 800-300*3500

Vibratory feeders for homogenising of plastic powder to a width of 1,5 m
› Discharge by an inclined slot for an optimal feeding of the dryer



SFLU 1000-250*5544

Vibratory conveyor with overhead drive for distribution and dosing of plastic granulate
› Blind-area-free design in the interior of the trough





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