

Individual solutions for each case from one supplier - made by www.SPÄNEX.de



SPÄNEX-disposal systems

offer complete solutions, starting with the collection of the chips or of the dust at the machine, the pneumatic conveyance with subsequent separation in the filter plant, return of the clean air into the working rooms and the recycling of the separated chips/dusts as briquettes - and/or as valuable combustible in a firing plant.

Based on the setting of tasks the optimal concept for each case of demand is developed by the SPÄNEX-sales representative, the

plant is planned, the offer is prepared, presented and explained.

From the variety of the product program the optimal solution for the respective case of demand is chosen and realised. The most important components are manufactured by SPÄNEX and form a closed system solution without interface problems.

From the planning to the ready plant it is a long way.

During all phases SPÄNEX is at your side with the competence and experience of several thousands of plants.

The plants are installed by our fitters and taken into operation by our after-sales service technicians.

Our service in connection with maintenance contracts secures long service life and the reliable operation of the plant in the long term.

Exhausting

A large dust collector program is available up to an air capacity of 6000 m³/h. To be laid out for the connection of one or several working machines.

The solution for connection of one or two working machines:

Dust collector type

SMU 1500 S with 1400 m³/h D = 140 mm
SMU 2500 S with 2300 m³/h D = 180 mm
SMU 3000 with 3000 m³/h D = 200 mm



dust collector type SMU 1500 S

The solution for the connection of several machines:

Large dust collector

SMU 4500.11 with 4700 m³/h D = 250 mm
SMU 6000.1 with 6000 m³/h D = 300 mm



dust collector type SMU 6000.1
with SHB 40

Advantages:

- compact unit
- very small assembly space
- large container volume
- simple handling
- low sound emission
- large suction capacity
- 2 cleaning variants
- complete control unit
- tested following GS-HO-07
- to be combined with a SPÄNEX-briquetting press (SMU 3000 - 6000.1)

Conveying

Since more than 50 years SPÄNEX-radial fans are produced. The air capacity reaches from 1000 up to 120000 m³/h at a total pressure increase of up to 10000 Pa.

Each fan is laid out especially for the purpose of application. The factors volume flow and pressure demand are the decisive characteristic data for the choice of size.



exhaust fans with sound insulation

Installed on the raw-air side or on the clean-air side, SPÄNEX-fans convey the dust- and chip waste in an energy-saving way. The running-wheel are determined optimally to the case of application by different blade types, ratios of diameters and nominal speed.

This also contains all required pipe- and form parts. Starting with the exhausting hood at the machine, the pipe construction parts up to the duct system for feedback of the filtered air into the operation rooms.



pipe construction parts

Filtration

The standard program contains single filters with filter areas of 30 up to 300 m². Assembled of single elements the unit are applicable as silo top filters or as free-standing unit with buffer container for intermediate- or final separation for over-pressure- and/or low-pressure operation.



low-pressure filter plant

Advantages:

- 5 area sizes
- 4 standard filter hose lengths
- high low-pressure stability
- with and without pre-separation chamber
- exhaust fan installable



line filter with reverse-air cleaning

Where air quantities larger than 30.000 m³/h are available, large filters in line- or compact construction with filter areas of 300 up to 1500 m² can be applied. The filter medium and the cleaning system (vibration, reverse-air and jet-pulse) vary depending upon the setting of tasks. Each plant is adapted to the requirements of the specification, whereas discontinuous or continuous kind of operation are possible.

Briquetting

angular or round, SPÄNEX produces both systems. 40 years of experience and the know how based on this are forming a solid base for professional disposal of waste from trade and industry.

Wood, paper, plastic, cotton, bio-mass, etc. all this is compacted absolutely environment-friendly without binders.



briquetting press with container

The product range:

model	capacity kg/h	throughput m³/h
SHB 40	40	0,30
SHB 60	60	0,45
SHB 100	100	0,90
SHB 125	125	1,00
SHB 150	150	1,35
SHB 250	250	2,30

We realise a test-pressing for you free of charge. With the result you receive the required data as well as sample briquettes.

advantages:

- high compaction
- low energy demand
- exchangeable wear parts (accessories)
- to be combined with filter units and chip container (tower solution)
- free programmable control unit
- high operation convenience
- GS-test sign



tandem-briquetting plant

Heating

with scrap wood, chips and certainly with briquettes from the briquetting press.

1 m³ chips = 50 ltr. fuel oil
1 m³ chip briquettes = 200 ltr. fuel oil

Use your own energy source. Heat with a SPÄNEX warm-air stove or a warm-water heating boiler.



warm-air stove manual fed with O₂-control

Since 1964 the warm-air stove is approved, whether manual fed with grate firing or automatically fed with underfeed stoker.

advantages:

- constant heating,
- short heating start time,
- no freezing,
- high efficiency,
- observation of the emission limit values
- simple, quick assembly,
- minor operation works and maintenance works

Concerning the boilers the automatically fed plant with underfeed stoker or forward-feed grate firing are in the very fore.



heating boiler serial LCS

advantages:

- capacity range 60 up to 835 kW
- compact design, minor height
- optimal burn-out
- powerful flue gas dedusting unit
- O₂- and capacity control
- automatic ash disposal
- automatic ignition

Further product range:

- heating-technical accessories
- shredders

Varnishing

For exhausting the appearing paint-mist and for feeding the fresh-air SPÄNEX offers innovative and economical plant engineering for the most different applications and materials.



TAW-Kompakt

Energy-efficiency of the plants has the highest priority, especially for larger air quantities. With help of heat recovery the capacity demand is reduced. By the speed-controlled drives the current consumption is minimised.

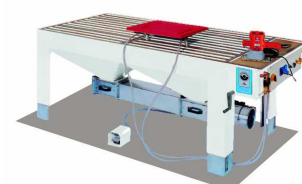
Our scope of supply:

- dry spray walls
- underfloor exhausting units
- combined systems
- water-rinsed spraying walls
- fresh-air units with and without heat recovery
- control- and regulating technique



varnishing room with underfloor exhausting

For sanding works tested exhausting tables of different sizes and equipment can be applied.



SPÄNEX-exhausting table



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SPÄNEX offers complete system solutions from A to Z **... from briquetting, exhausting, filtration, heating, shredding up to varnishing.**

Please, contact us for a case of demand:

- | | |
|--|------------------------------------|
| <input type="checkbox"/> exhausting and filtration | <input type="checkbox"/> spare |
| <input type="checkbox"/> briquetting | <input type="checkbox"/> expansion |
| <input type="checkbox"/> varnishing | <input type="checkbox"/> new plant |
| <input type="checkbox"/> heating | <input type="checkbox"/> shredding |

please, send us information concerning:

- chip exhausting plants with an air quantity of _____ m³/h
 - as silo filter
 - as single filter with buffer container
 - as line filter
 - as compact filter
 - with over-pressure technique
 - with low-pressure technique
 - dust collector type SMU
 - with briquetting press
 - fans
 - briquetting plants
 - paint mist exhausting units
 - fresh-air plants
 - heat recovery
 - warm-air stove
 - chip boiler with a capacity of _____ kW
 - for dry material
 - for wet material
 - silo discharging units and conveying systems
 - shredders
 - maintenance contracts for
 - exhaust plant
 - briquetting press
 - warm-air stove
 - paint-mist exhausting unit
- type _____

please, call.

company _____

contact person _____

street _____

post code / city _____

country _____

phone _____ / _____ fax _____ mobile _____

email _____