

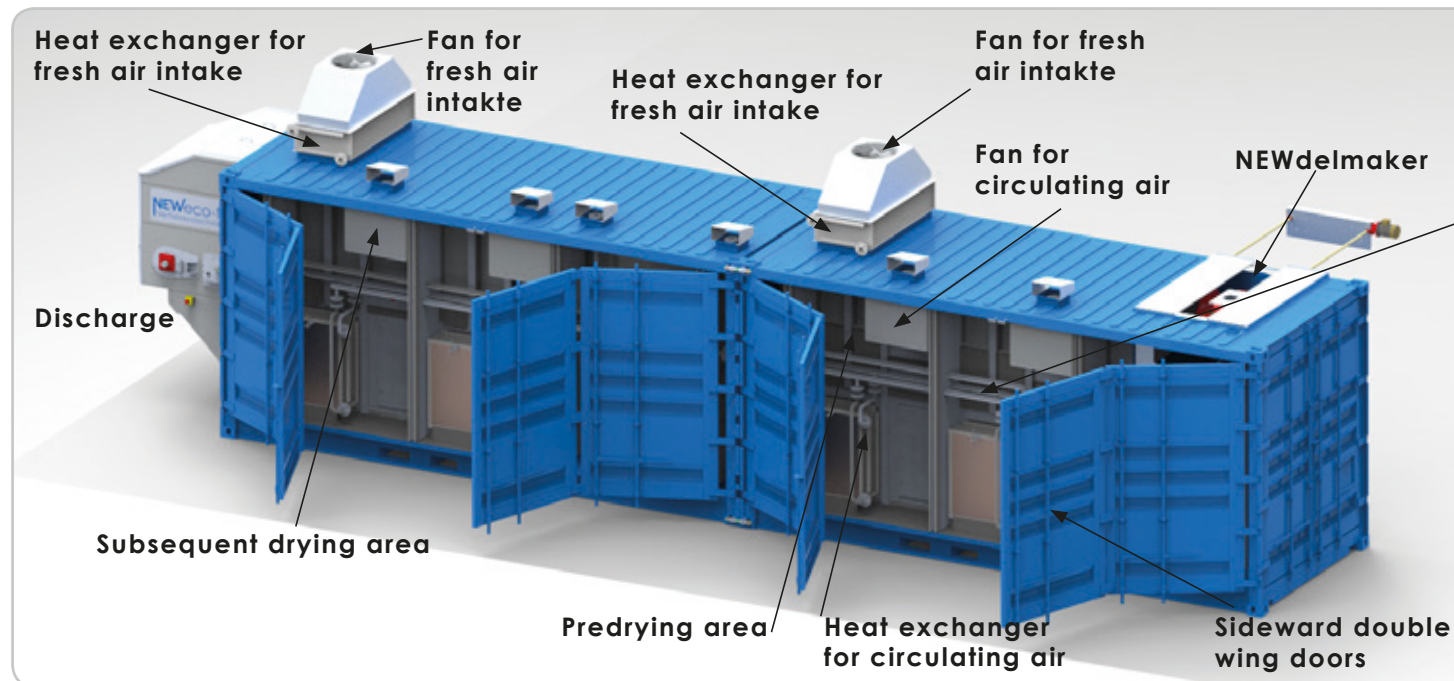


NEWtainer® Sdryer
Compact Belt Dryer



THE SLUDGE DRYER

DRYING OF SLUDGE



REVOLUTIONARY FABRIC BELT

- ✓ High temperature resistant special fabric belt
- ✓ Washable
- ✓ Perfect air distribution
- ✓ Fast replace
- ✓ Lowest adhesions

EFFECTIVE DRYING OF SLUDGE COMPACT. SUSTAINABLE. EFFICIENT.

In the drying plant **NEWtainer® Sdryer** dewatered sludge will be dried on a special high-temperature polyester web belt. The 2-belt-dryer system is due to its high modularity applicable in all range of performance. Like all **NEWtainer®** types high efficiency and high quality has top priority.

YOUR ADVANTAGE OF THE NEWtainer® Sdryer:

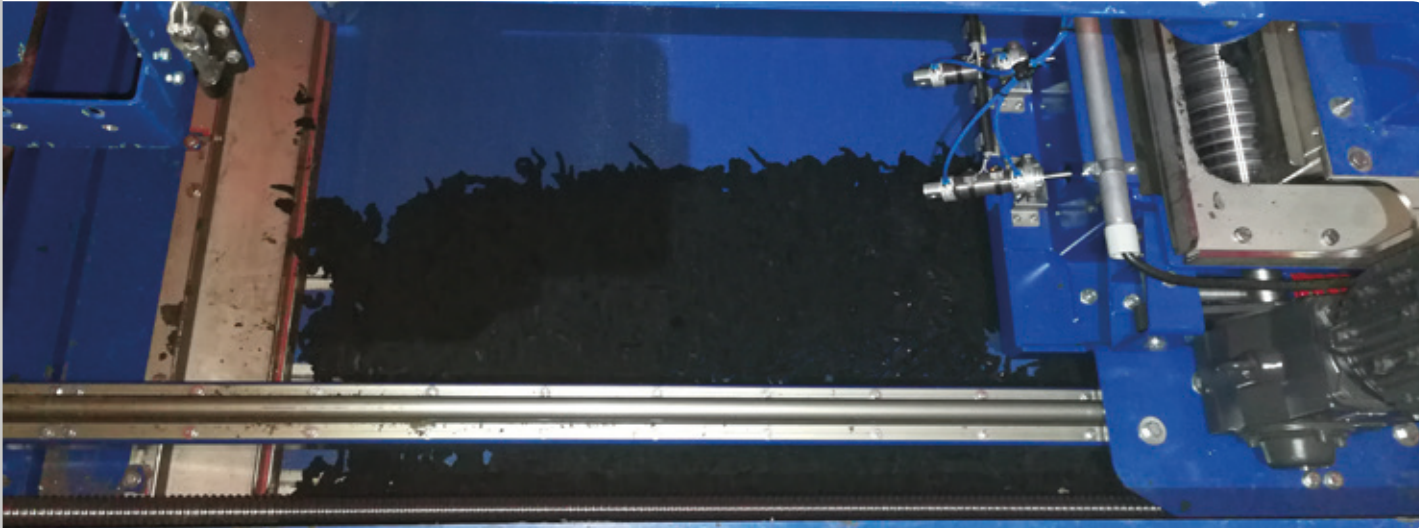
- ✓ **Side doors for best accessibility**
- ✓ **Outdoor installation – no need for a building**
- ✓ **Modular design for fast operation & expansion**
- ✓ **Heat recovery**
- ✓ **All elements in contact with the product in stainless steel**

CASCADE AIRFLOW FROM TOP TO BOTTOM

up to $850 \text{ kWh}_{\text{therm}} / 1.000 \text{ kg H}_2\text{O}^{*1})$

*1) depends on equipment and product

NEWdelmaker



UTILISATION OF SLUDGE WITH THE NEWdelmaker

The **NEWdelmaker** is a specifically for the sewage sludge drying developed dosing unit. Over a feed screw, the dewatered sludge is driven through two opposing round blankets and into a ribbon noodle mould.

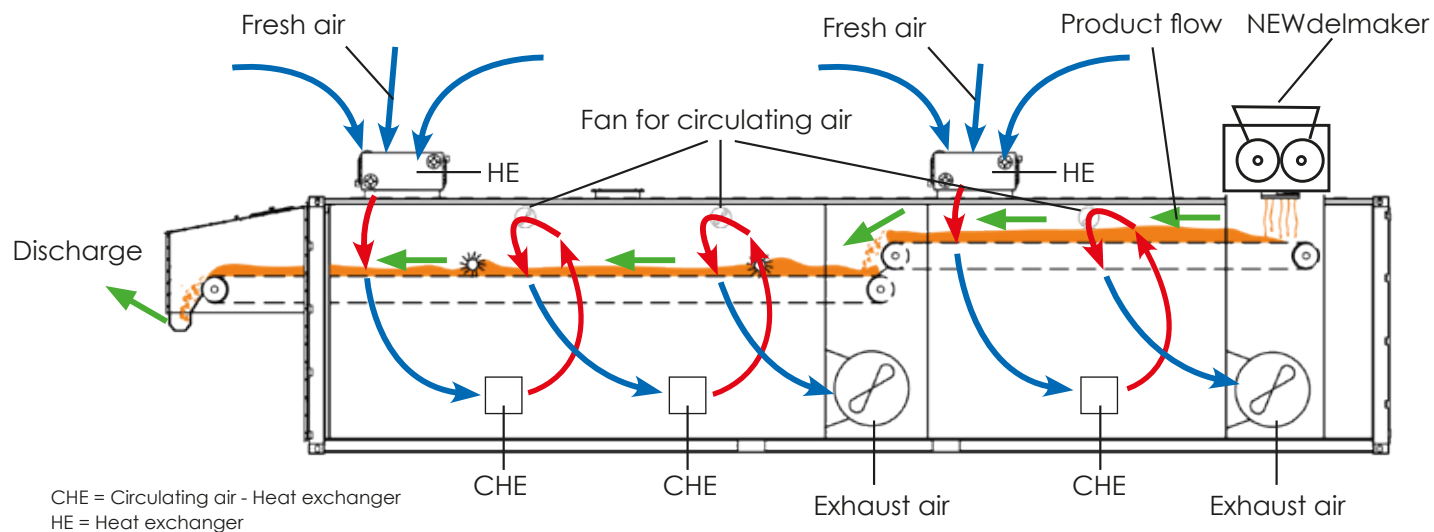
For equal distribution on the belt, the **NEWdelmaker** is moved back and forth across the belt by means of a moving unit. The produced sewage sludge noodles are carefully placed on the belt in a homogeneous bed.

Due to the special design of the **NEWdelmaker** a pressure-free, impurity insusceptible and low maintenance operation is guaranteed. In addition, the system is supremely energy efficient.

YOUR BENEFITS IN OVERVIEW

- ✓ Low maintenance
- ✓ Impurity insusceptible
- ✓ Pressure-free separation
- ✓ Low input of electricity

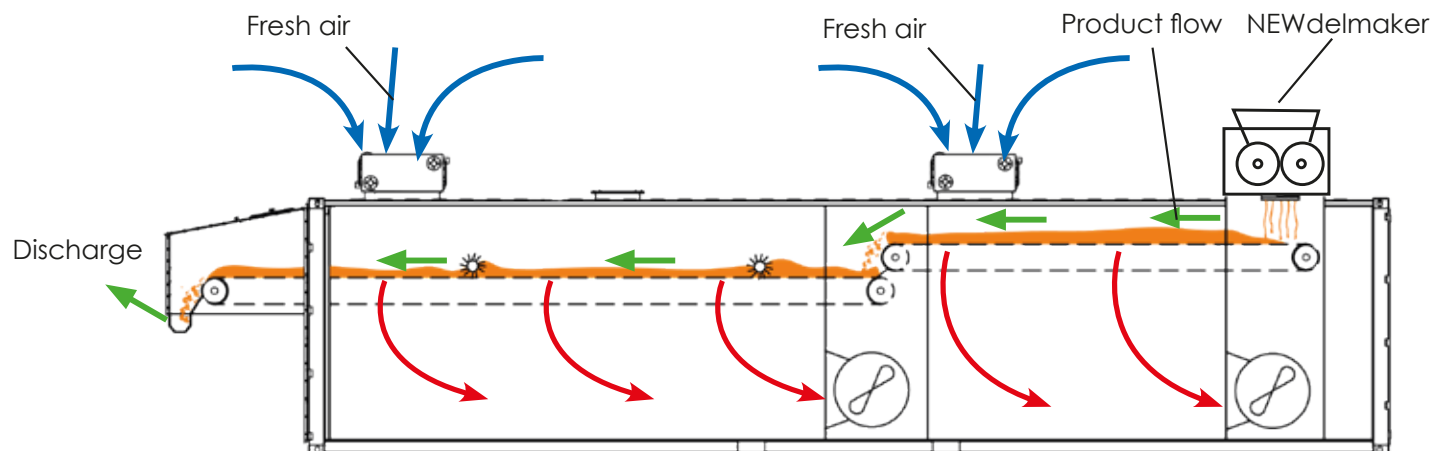
AIR FLOW



CASCADE-DRYING

Special circulating air fans and optional intermediate heating ensure maximum energy efficiency.

In this method, the drying air is repeatedly sucked from top to bottom through the product and will be optimally humidified.



CONVENTIONAL DRYING

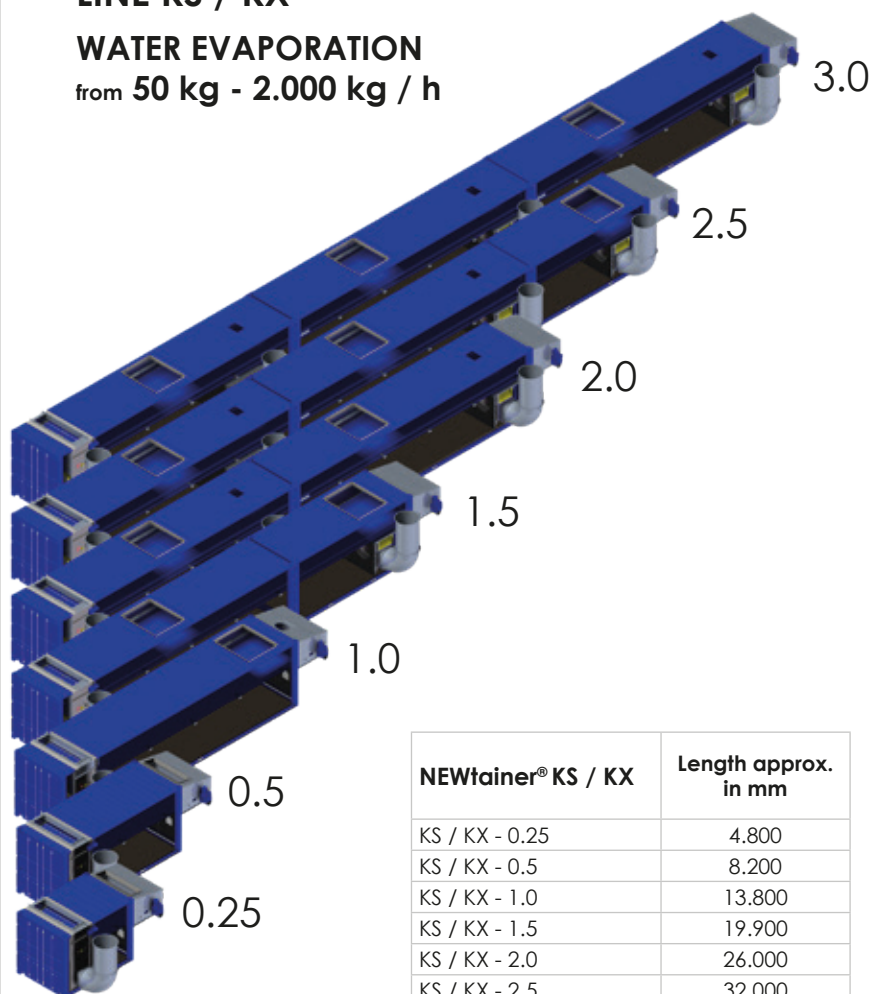
In conventional drying, the heated supply air is sucked through the drying product and the drying belt.

RANGE OF PERFORMANCE OF OUR LINES

LINE KS / KX

WATER EVAPORATION

from 50 kg - 2.000 kg / h

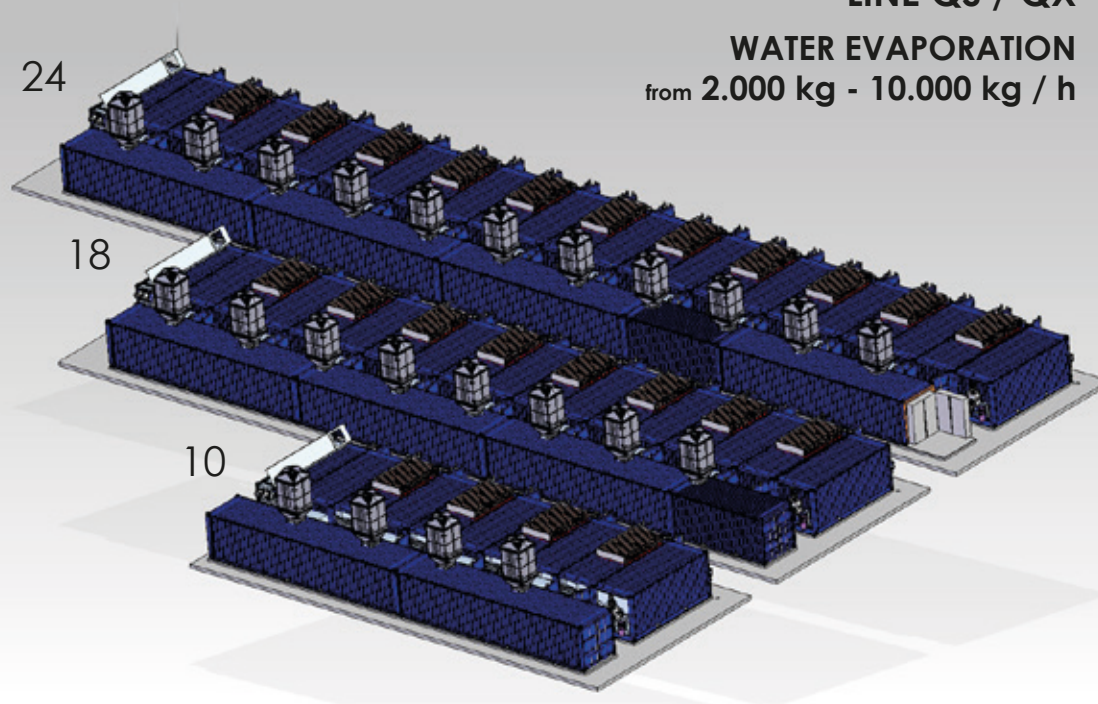


NEWtainer® KS / KX	Length approx. in mm
KS / KX - 0.25	4.800
KS / KX - 0.5	8.200
KS / KX - 1.0	13.800
KS / KX - 1.5	19.900
KS / KX - 2.0	26.000
KS / KX - 2.5	32.000
KS / KX - 3.0	38.200

LINE QS / QX

WATER EVAPORATION

from 2.000 kg - 10.000 kg / h



NEWtainer® QS / QX	Length approx. in mm
QS / QX 8	21.000
QS / QX 10	26.000
QS / QX 12	31.000
QS / QX 14	36.000
QS / QX 16	42.000
QS / QX 18	48.000
QS / QX 24	60.000

500 t - 100.000 t

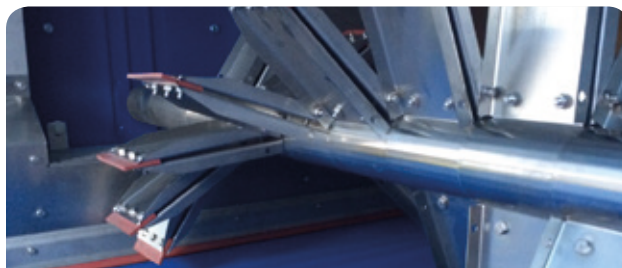
SLUDGE
PER YEAR

EQUIPMENT FEATURES



POLYESTER WEB BELT

- ✓ Perfect ventilation
- ✓ Dust prevention



TURNOVER DEVICE

- ✓ Acceleration of the drying process
- ✓ Increased efficiency through product loosening



BELT WASHING UNIT

- ✓ Saving on operating costs
- ✓ Reduction of energy and maintenance use



BIOMASS HEATING

- ✓ Heat energy self-sufficient
- ✓ Flexible



FLUE GAS USAGE

- ✓ Efficiency enhancement
- ✓ Increase of the temperature level



EXHAUST AIR SCRUBBER NEW cleaner

The wash water is sprayed over the filter to ensure a high degree of separation.

- ✓ Emission reduction
- ✓ ASL-Recirculation

OUR SOLUTIONS IN PROCESS ENGINEERING PROVIDE
EQUIPMENT OPTIONS FOR EVERY APPLICATION.

We offer even more: individual solutions for process engineering. In addition to our extensions, we also develop adapted solutions specifically for your requirements and processes. This allows you to expand your system at any time thanks to our modularized containerisation.

DID YOU ALREADY KNOW?

ALL SOLUTIONS are available individually, as well as integrated directly in the container.

REFERENCE PLANTS



NEWtainer® Sdryer KS

Type: KS-RZ-4

Location: Germany

Year of construction: 2015

Throughput: 10.000 t / year



NEWtainer® HB

Type: HB-R-640

Location: East Asia

Year of construction: 2018

Throughput: 75.000 t / year



NEWtainer® Sdryer KX

Type: KX-Z-3

Location: Germany

Year of construction: 2017

Throughput: 8.000 t / year

INTERESTED?

JUST ASK US.

We are happy to be there for you personally and advise you without obligation.
Just give us a call: **+49 (0) 8631-18 549 – 0** or
write us an e-mail: **info@new-eco.tec.com**

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Questions? We would be glad to help you.