

THE WORLD'S MODULARST BELT DRYER

EFFICIENT

EXTENDABLE

MADE IN GERMANY



NEWtainer®

MODUL+

modular belt dryer



NEXT-GENERATION COMPACT CONTAINER DRYING SYSTEMS.

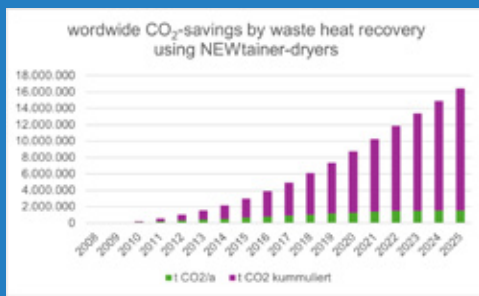
NEWtainer® Modul+ redefines industrial drying. As the next evolution of the proven NEWtainer® developed by Christian Wenner, the system combines state-of-the-art drying technology with a modular architecture and compact design. The result is a powerful, flexible and space-saving solution for demanding industrial applications. Whether for sewage sludge, waste and RDF fractions, sawdust, paper or agricultural products, Modul+ represents bespoke drying solutions of the highest standard.

**STARTING FROM 8 WEEKS
DELIVERY TIME**

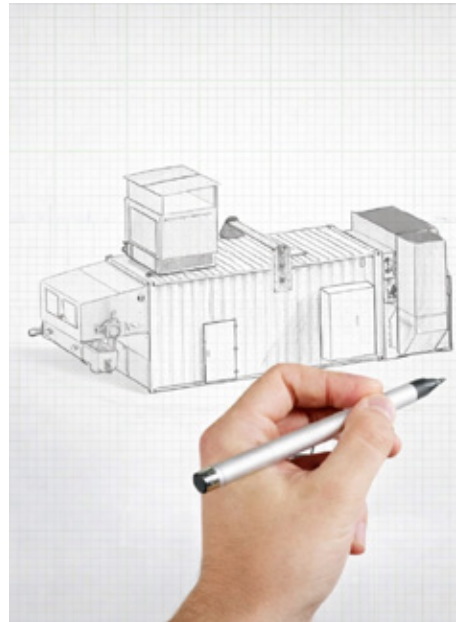
**40 YEARS
EXPERIENCE**

**> 183 CUSTOMERS
AROUND THE WORLD**

**15 MILLION TONNES
OF CO₂ EMISSIONS SAVED SINCE 2008**



VISIONARY IN CONCEPT. PRECISE IN EXECUTION.

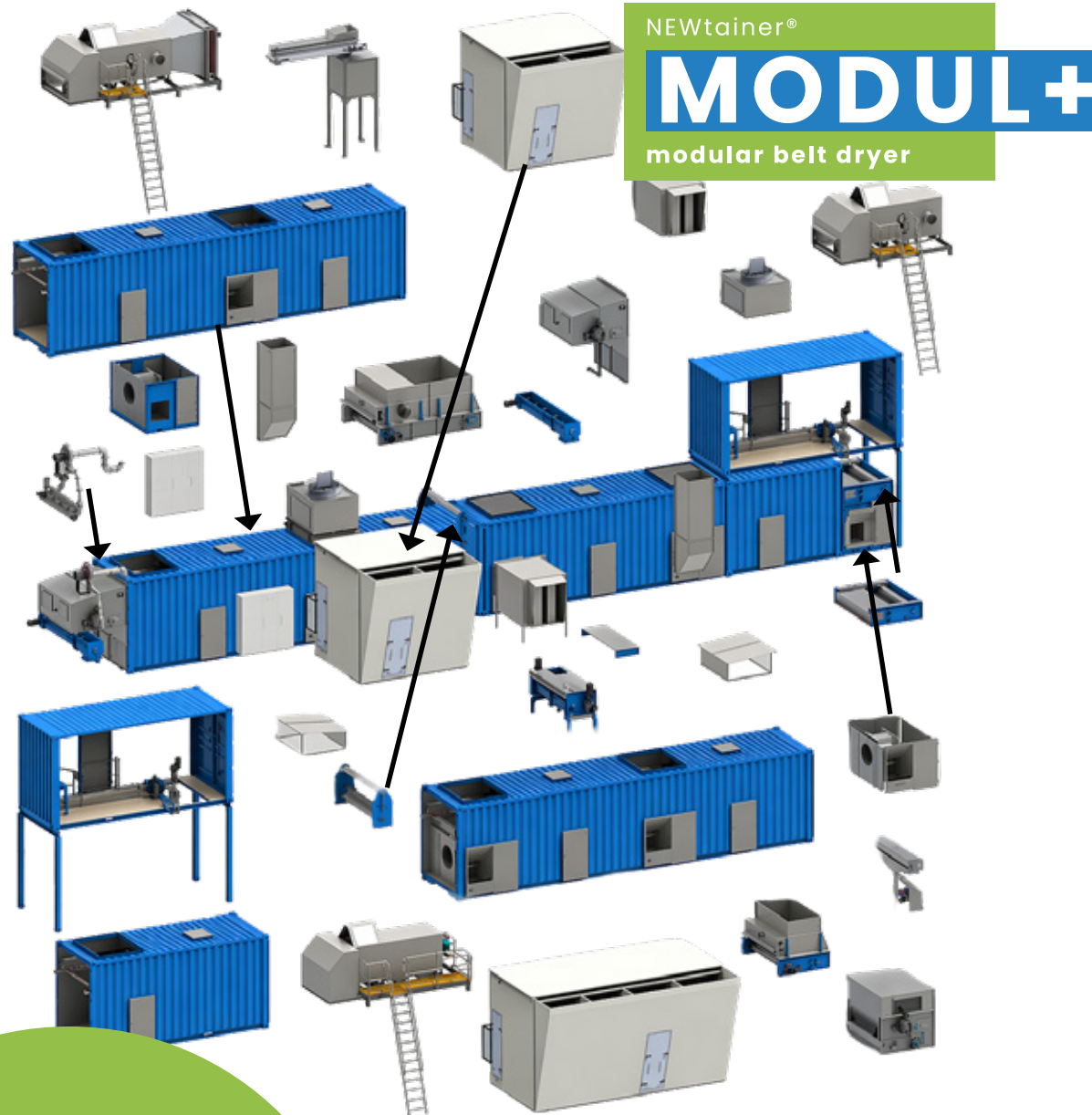


100%
MODULAR.
EFFICIENT.
HIGH-PERFORMANCE
DRYING.



BASE

**20-FOOT STANDARD MODUL (20' HC):
6.06 M (L) X 2.44 M (W) X 2.90 M (H)
AND AIRATION SYSTEM**



NEWtainer®

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THE WORLD'S MOST MODULAR DRYER.

Fast. Simple. Drying. NEWtainer® Modul+. With its compact design and highly precise control technology, NEWtainer® Modul+ ensures consistently uniform residual moisture. Intelligent process control and robust engineering make it the ideal solution for demanding drying applications in industrial and commercial environments.

YOUR ADVANTAGES AT A GLANCE

- ✓ Modular design based
- ✓ Building-block principle
- ✓ High degree of prefabrication
- ✓ Short planning & production times
- ✓ Use of low temperature waste heat possible
- ✓ Plug-and-play installation
- ✓ High efficiency – high quality drying
- ✓ In-house production & paint shop
- ✓ Factory-tested mechanics & electronics
- ✓ Ready for immediate use
- ✓ Fast delivery times
- ✓ Made in Germany

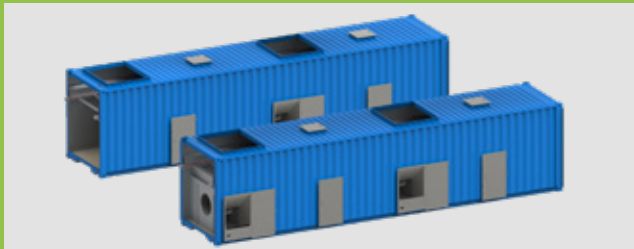
AS INDIVIDUAL AS YOUR PROCESSES.

Built on a modular principle and expandable at any time – quickly, easily and efficiently.

**POLYESTER
FABRIC BELT**
EXTREMELY DURABLE.
HEAT RESISTANT.
ANTISTATIC.
CHEMICALLY STABLE.



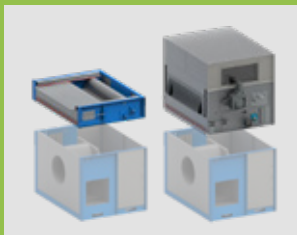
AVAILABLE MODULES



**CONTAINER MODUL+
TYPE 40**



**CONTAINER MODUL+
TYPE 20**



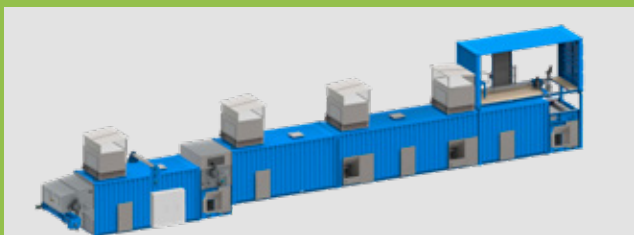
TENSIONING STATION
and product transfer module
including exhaust air fan module



RUCKSACK MODULE
for belt drive and
discharge screw



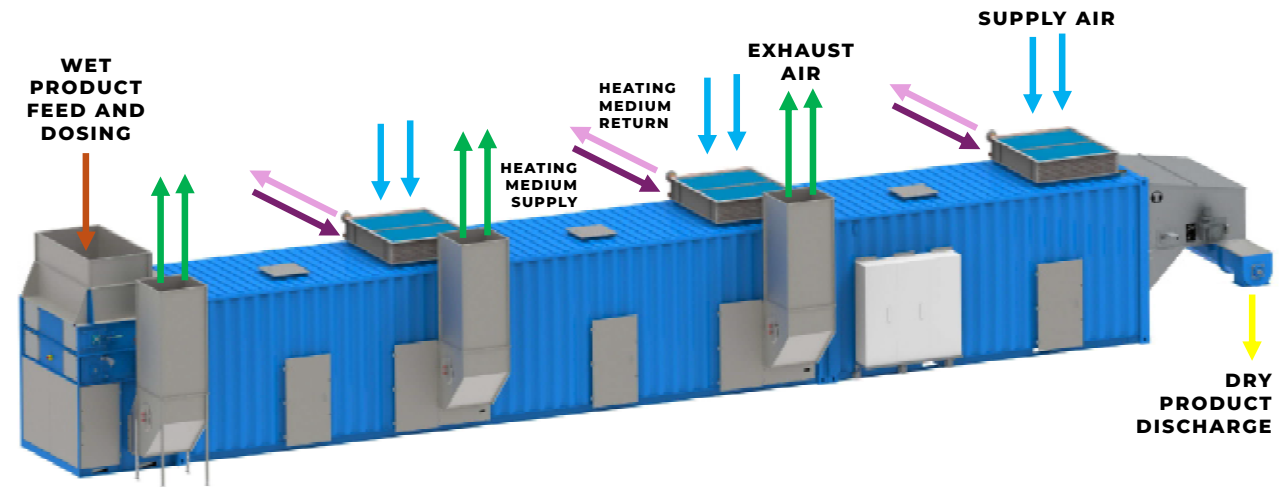
**FEEDING PUSH
FLOOR MODULES**



**NEWtainer MODUL+
2-BELT DRYER**

THE PRINCIPLE OF THE WORLD'S MOST MODULAR DRYER.

EXTERIOR PERSPECTIVE



The principle of NEWtainer® Modul+ belt dryers is just as simple and smart as the idea and construction. As a pre-condition for a perfect drying result drying product has to be spreaded to the belt evenly. There are several distributing modules provided depending on characteristics of the product. In this case drawing shows push floor dosing. Drying procedure in each Modul+ drying module is a kind of cross flow contact process between product and drying air. The belt is moving the layer of product slowly through active drying zone. Fresh supply air is heated up by on-site heating resource chosen by customer. In this case drawing shows hot

water heat exchangers. Drying air is sucked through layer of product and through the belt from the top to the bottom. This keeps all of the product at its position, avoids dust emissions and leads to a perfect contact of air and product. The wet and cool exhaust air is collected underneath the belt by a radial air fan and guided out of the dryer vertically. Required drying capacity yields the number of drying modules in which the drying procedure is repeated. All the drying module are positioned is line guiding the product layer on the belt to the discharge module. This is designed as a rucksack construction with integrated belt drive and discharge screw.

NEWtainer®

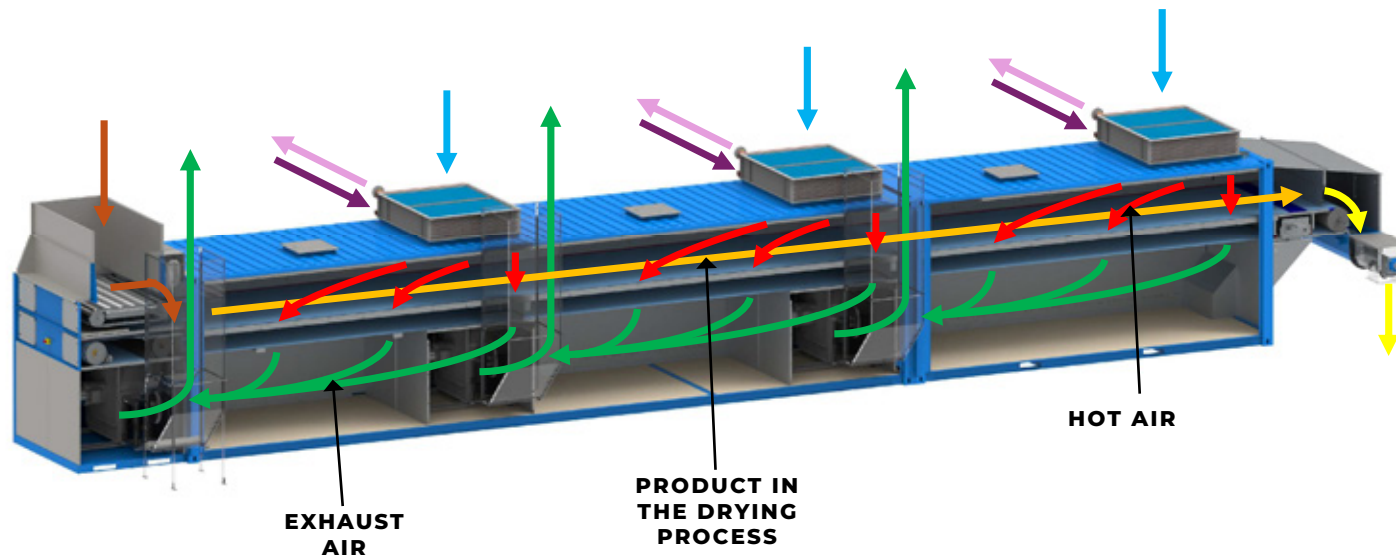
MODUL+

modular belt dryer



MADE IN GERMANY

INTERIOR PERSPECTIVE



LEGEND

- Wet product feed and dosing
- Product in the drying process
- Dry product discharge
- Supply air
- Hot air
- Exhaust air
- Heating medium supply
- Heating medium return

QUESTIONS?

Let's contact and talk
 +49 171 40 26 251
 or write us an mail
info@wenner-systemtechnik.com

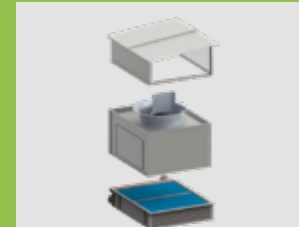
What would you like to dry?
 Don't see your application here?
 Just ask us.



PRODUCT DISTRIBUTION
 by slewing belt and double screw



NUDELMAKER
 sludge granulator integrated in on-top container module



HEAT EXCHANGER MODULE
 for steam or hot water and fresh air fan



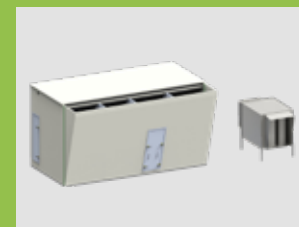
WASTE HEAT USAGE
 exhaust gas from CHP, option: heat exchanger pre-heating



AIR HEATING MODULE
 for biogas or natural gas



HIGH PRESSURE BELT WASHING
 belt deflating module and turn over device



EXHAUST AIR TREATMENT
 by air scrubber and silencer module



ONE DRYER. MULTIPLE PRODUCTS. MAX. FLEXIBILITY.

Our modular drying solution adapts precisely to a wide variety of materials thanks to advanced control of speed, temperature and airflow. This enables maximum efficiency, uniform residual moisture and consistently high drying quality with minimal energy consumption. Compact, robust and intelligently controlled, it is the ideal solution for demanding drying applications.

A small selection of suitable products is shown opposite. If your required product is not included, simply contact us – we will be happy to advise you personally and develop the right solution for your needs.

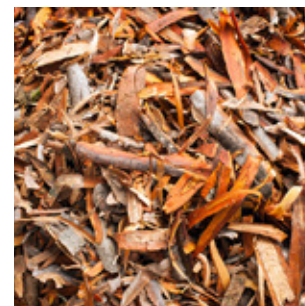
EFFICIENT, RELIABLE DRYING FOR A WIDE RANGE OF PRODUCTS.



planer shavings



wood chips



tree barks



wood pellets



sawdust



biochar



RDF waste fractions



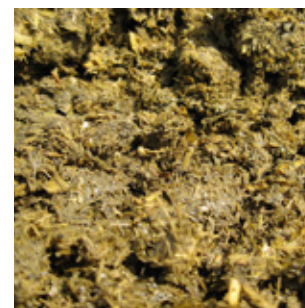
household waste



sewage sludge



paper sludge



digestate

What would you like to dry?
Don't see your product here?
Just ask us.



On-site consultation in Canada, 2020
sawdust drying / 2.800 kg/h



In-house production, 2025
bio-char production / 800 kg/h



Loading of dryer module 2024
at workshop Wenner Systemtechnik



On-site installation : UK, 2025
sawdust drying / 2.800 kg/h



Reference facility: Turkey, 2022
RDF drying / 7.500 kg/h



Reference facility: Northern Ireland, 2026
sawdust drying / 4.000 kg/h

FROM ENQUIRY TO DRYING IN 4 SIMPLE STEPS

01

PERSONAL CONSULTATION

Our experts work closely with you to define the right drying solution for your process – including on-site consultation, reference visits, and factory tours.

02

IN-HOUSE PRODUCTION

All modules are manufactured in our own facility in Bavaria. Made in Germany – ensuring high quality, precision, and long-term reliability.

03

DELIVERY & COMMISSIONING

We provide on-time delivery as well as professional installation and commissioning by our experienced service team. Our specialty is short delivery times and on-site assembly.

04

START DRYING

With operator training and ongoing support, we ensure smooth integration and reliable operation from day one.

SCAN & CONTACT



**DRYING TECHNOLOGY
PROCESS ENGINEERING**



MORE INFORMATION?

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