

# LOW-TEMPERATURE BELT DRYER



drying technology

for alternative fuels



# Innovative technology

## Low consumption through energy efficiency

As technology leader in drying technology, stela always focuses on energy efficiency and quality of the finished product.

## Specialisation in drying technology

stela has specialised in the complex field of drying technology in order to deliver the optimal solution for your project.

## Head start through innovation

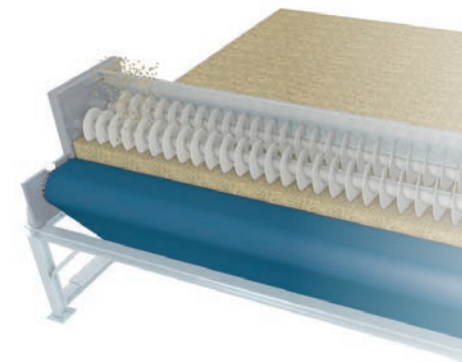
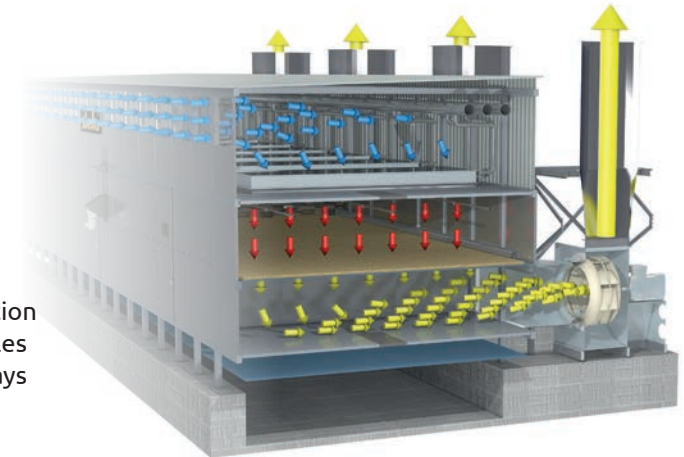
State-of-the-art technology and efficient manufacturing processes are the basis of stela's sustainable growth.

## Research and development

In its in-house R&D lab, stela examines specific product properties of your project and thus determines individual drying curves.

## Always at your side

From project idea and installation to commissioning and after sales services, the stela team is always at your side.



# Over 4,000 successful projects worldwide

## International experience

Engineered and produced in Bavaria – successfully operated worldwide. Our drying plants can be found in over 60 countries around the world.

## Individual solutions for individual customers

As we installed more than 4,000 projects, we gathered a wealth of know-how from which our customers benefit worldwide.



We find customised solutions for a wide range of products, from agriculture and the food industry to energy and waste disposal technology.

# Family business



## 100 years of experience

The experience of a medium-sized family business operating for over 100 years is the basis of our success. At stela we live and breathe drying technology. With 250 highly qualified employees and a focus on training the next generation, we are well-equipped for the challenges of the future.

## Climate-neutral production

We work energy-efficiently through optimised production processes. Climate neutrality, through the use of biomass and solar energy, is our claim as a sustainable company. We rely on proven technology and combine this with creative solutions for flexible production.

## Competent team

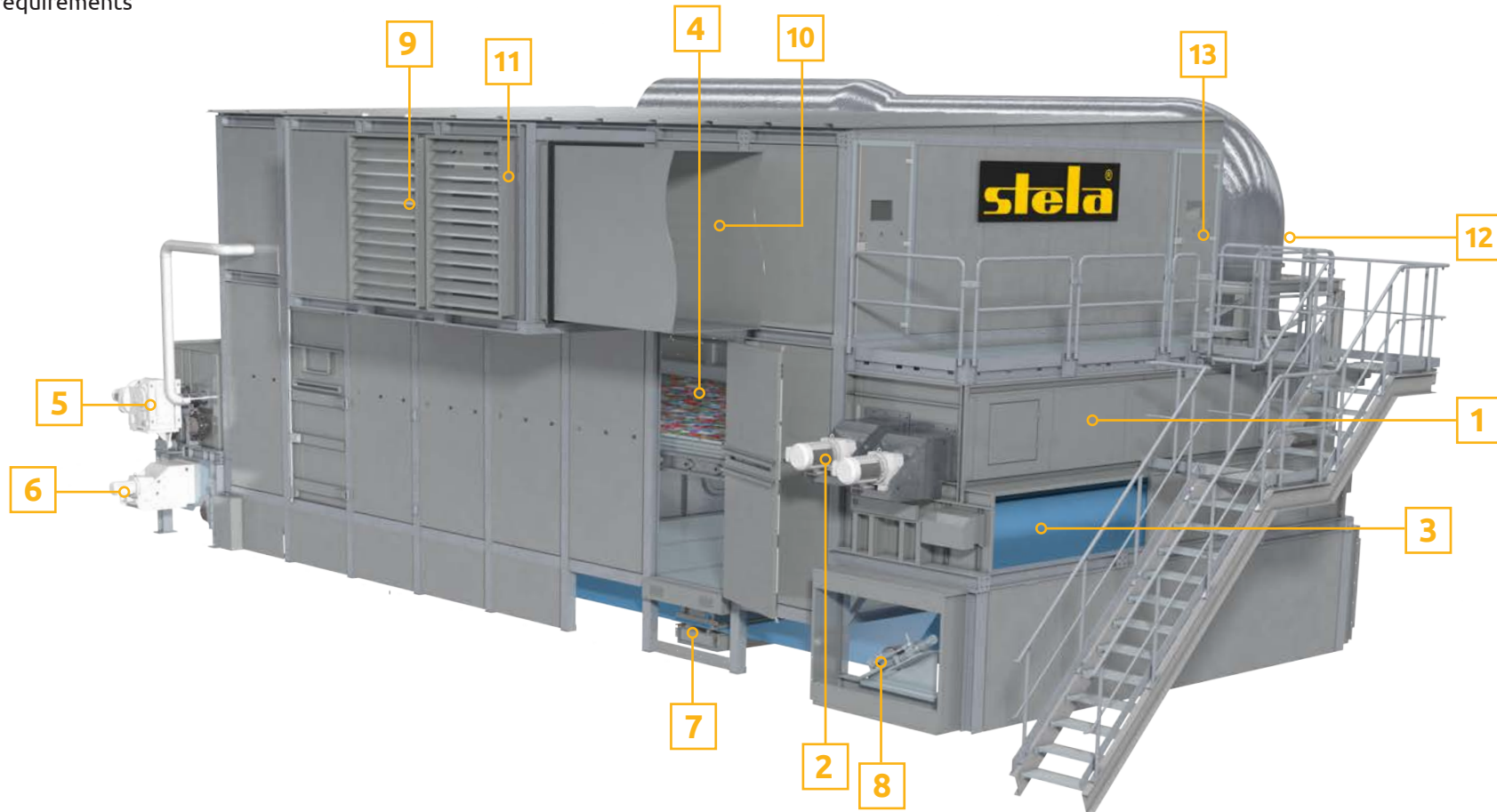
To ensure that work processes mesh smoothly and satisfy our customers, we regularly support our employees with on-the-job training and invest in multiple apprenticeship programs.



# Construction

## Characteristic features

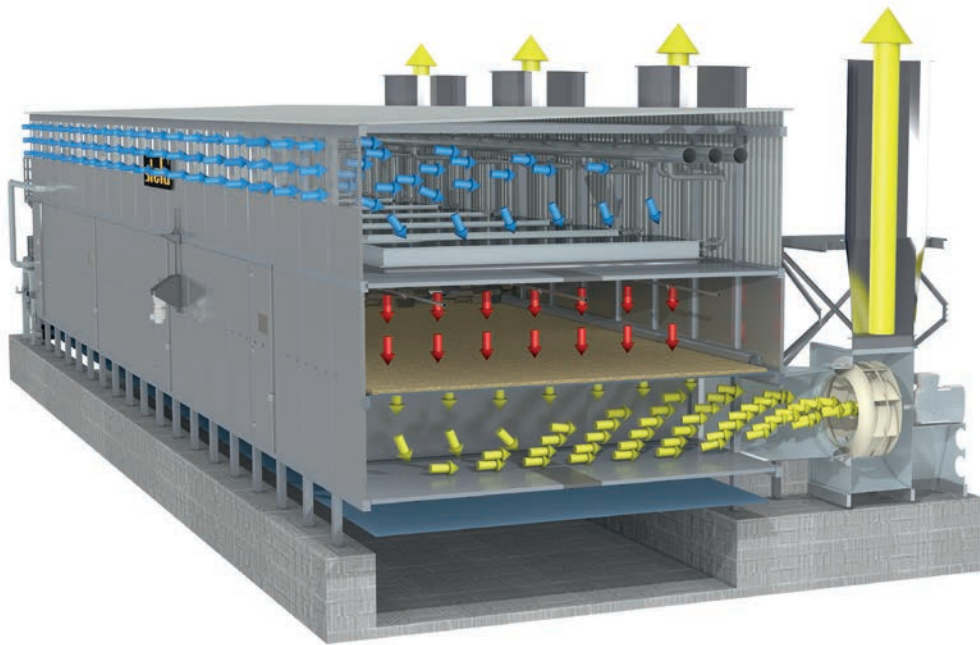
- Modular plant system which can easily be expanded at a later date
- Material selection for long-term performance in demanding environments
- Execution in many different ranges for individual adaptation to meet customer requirements
- Big doors for an easy maintenance
- Insulated dryer body
- Closed construction enables outdoor installation down to -40 °C



1 = Feeding station | 2 = Double distribution screw | 3 = Web belt | 4 = Product | 5 = Belt drive | 6 = Discharge screw | 7 = Wet cleaning | 8 = belt tracking control |  
 9 = Fresh air blind | 10 = Process air intake | 11 = Fully automated mixing chamber | 12 = Exhaust air fan | 13 = Access Process air distribution |  
 Not shown: 14 = Belt cleaning (dry) incl. fan | 15 = Optional truning device unit

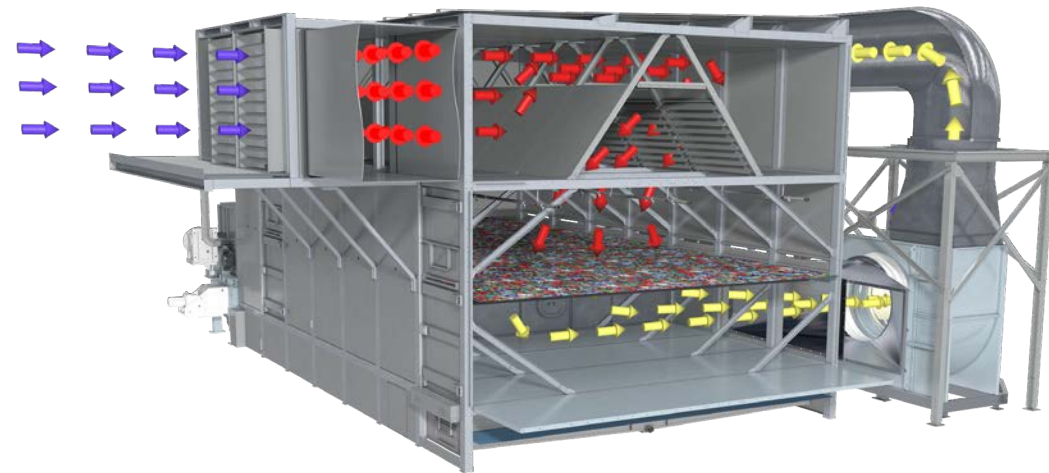
## Indirect drying

- Using finned pipe heat exchangers
- For hot water up to 266 °F
- For saturated steam up to 218 psi
- Optional usage of plate heat exchangers for special types of media (geothermal energy, thermal oil)



## Direct drying

- With hot air > 248 °F
- Homogenisation of the raw gas temperature in a mixing chamber with fresh air
- For example utilisation of clinker cooling air before dedusting in the cement plant



# References worldwide

Dyckerhoff Polska, Poland



- **Type:** BTL 1/3000-22
- **Product:** RDF
- **Dryer output capacity:**  
23,0 t/h from 19 % – 10 % MC

CEM Rohoznik CRH, Slovakia



- **Type:** BTL 1/3000-18
- **Product:** RDF
- **Dryer output capacity:**  
10,0 t/h from 22 % – 10 % MC

Romcim S.A., Romania



- **Type:** BT 1/6200-15
- **Product:** SSW
- **Dryer output capacity:**  
15,0 t/h from 35 % – 17 % MC

Schwenk Latvija SA, Latvia



- **Type:** BT 1/6200-13,5
- **Product:** RDF
- **Dryer output capacity:**  
7,7 t/h from 25 % – 3 % MC



## Edmonton Waste, Canada



- **Type:** BTU 1/6200-18-3-2
- **Product:** RDF
- **Dryer output capacity:**  
18,0 t/h von 30 % – 14 % WG

## Schwenk Zement, Germany



- **Type:** BTL 1/3000-14
- **Product:** RDF
- **Dryer output capacity:**  
8,9 t/h von 15 % – 5 % WG

## Taini (Guigang) cement, China



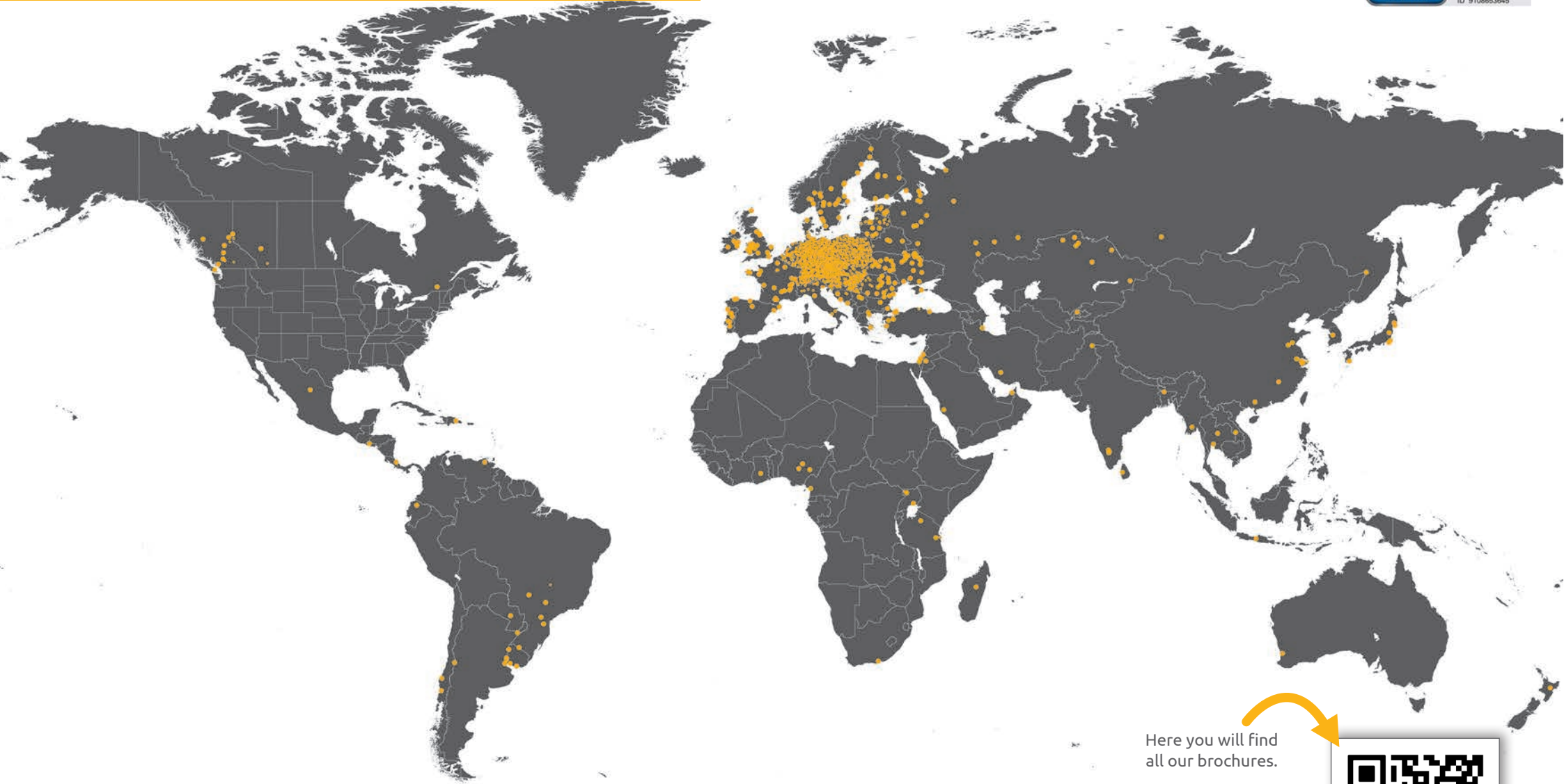
- **Type:** BT 1/6200-30
- **Product:** Sawdust, bark
- **Dryer output capacity:**  
12,4 t/h von 50 % – 15 % WG

## Cimpor, Portugal



- **Type:** BT 1/6200-12
- **Product:** RDF
- **Dryer output capacity:**  
7,0 t/h von 40 % – 15 % WG

# stela worldwide



Here you will find  
all our brochures.



drying technology

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