



**Continuous lye application machine
for line productions
Modular lye application machine DBA**

THE ALL-ROUND TALENT FOR LINE PRODUCTIONS

Modular lye application machine DBA



The modular lye application machine is the ideal solution for integrated use in automated production lines with upstream and downstream machines. It was specially designed for the lye application of large quantities.

TO THE PRODUCT

A QR code with the WP Riehle logo overlaid in the center.

MORE PRODUCTS

A QR code with the WP Riehle logo overlaid in the center.

SHORTFACTS

Modular lye application machine DBA



PRODUCTION PROCESS:

Fully automatic lye application process for large quantities with consistently excellent results.

INDIVIDUAL WORKLOAD CAPACITY:

Adjustable belt speed for individual production adjustment.

EVALUATION:

Extensive evaluation possibilities of the electronic control system.

BENEFITS

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- Fully automatic lye application process for large quantities with consistent lye application results even at high speed due to two lye curtains PLUS WP Riehle lye shower
- Programmable timing for consistently high quality even at maximum throughput
- Extendable lye tank with fill level sensor and active measurement of lye concentration
- Lye level sensor to prevent dry running if the lye level is too low
- Lye tank heating for constant lye temperature and even lye distribution
- Viewing window for easy checking of the lye level



BENEFITS

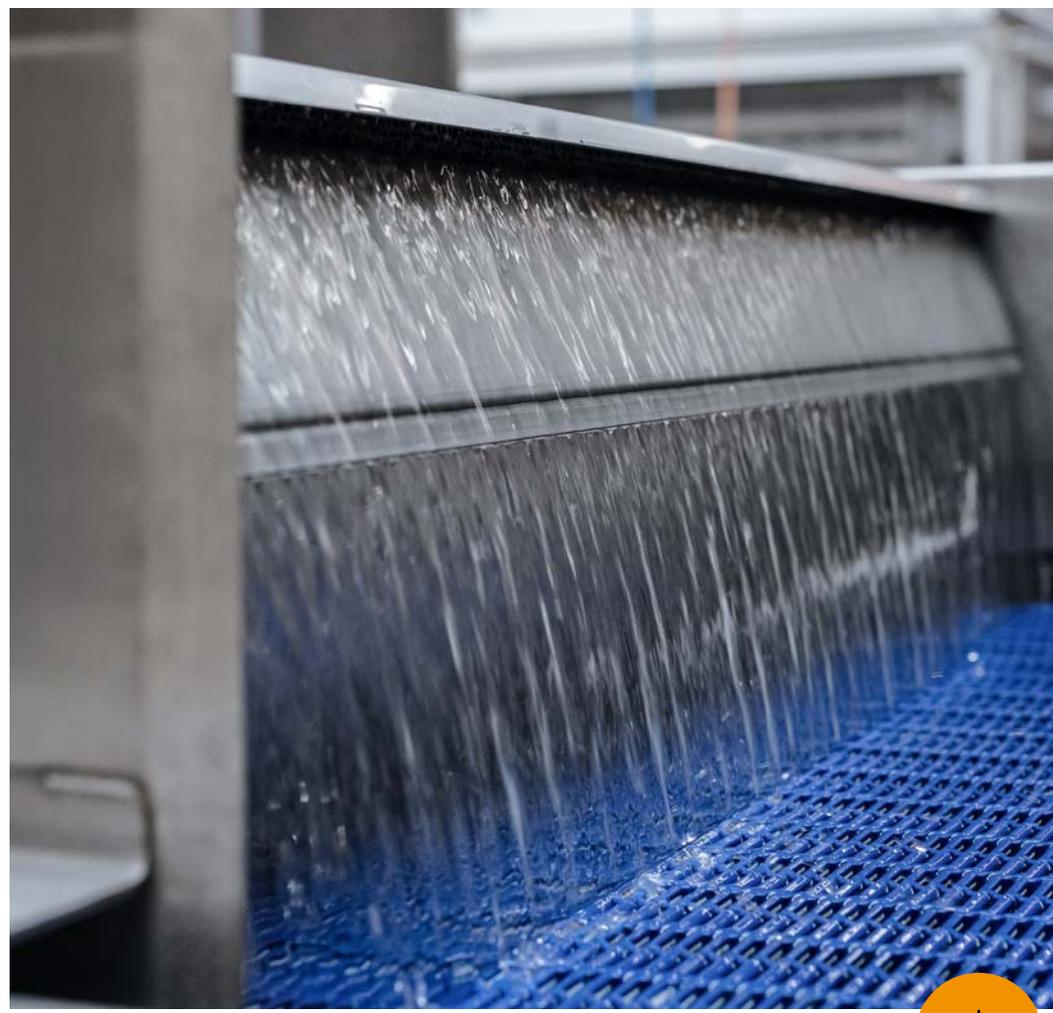
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- Touch panel control:
 - Internet and remote maintenance capable
 - Resistant to water, dirt and oil
 - Controls can be set to country-specific language
 - Intuitive operation, different user levels with individual access rights
 - Various programmes and belt speeds can be selected
 - With real-time monitoring, logging and automatic error monitoring, production statistics, utilisation and efficiency data
 - Separately switchable component control



LYE APPLICATION

Modular lye application machine DBA



PERFECT TAN AND SHINE

The DBA has a lye shower and two lye waterfall curtains for optimum lye application results, even at high production speeds.



LYE APPLICATION

Modular lye application machine DBA



LYE TANK

The rollable lye tank is equipped with a fill level sensor and a lye heating system for a constant lye temperature and optimum application results.

OPTIONS

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- WP Automatic Loader for automatic product feeding
- Infinitely adjustable seeding device for various seeding materials
- Interchangeable container for seeding device
- Lye management solutions
- Robotic scoring systems
- Panning conveyor
- Special systems & special sizes
- Connection to tunnel ovens / freezers



DETAILED OPTIONS

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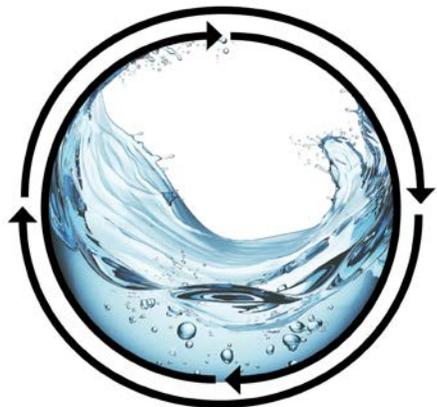
PRO EQUIPMENT

The (extendable) lye tank also features automatic lye tank re-filling, which draws lye from a lye canister when the lye level is low and draws water via a permanent water supply (with a mains isolator to prevent backflow into the drinking water system).



DETAILED OPTIONS

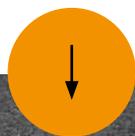
Modular lye application machine DBA



automatic production
of 1 to 4.3% lye blends

PRO EQUIPMENT

The lye concentration is mixed automatically. A measuring device in the tank monitors the lye concentration for perfect and consistent lye application results.



DETAILED OPTIONS

Modular lye application machine DBA



PRO EQUIPMENT

With the PRO equipment, you are choosing a solution that makes your production processes significantly more efficient while also meeting the highest safety standards.

This allows you to consistently reduce risks and create a working environment that protects, relieves stress and builds trust.



DETAILED OPTIONS

Modular lye application machine DBA



FEEDING VIA WP AUTOMATIC LOADER

The WP Automatic Loader takes the dough pieces fully automated from the proofing/feeding system trolley via the dough dispensers or peelboards. This helps you achieve maximum efficiency with low personnel costs.

DETAILED OPTIONS

Modular lye application machine DBA



WP AUTOMATIC LOADER FEEDING OPTION: SETTERS

The setters are covered with a lye application cloth which is set in motion by the loader. The products are transferred to the loader in this way.



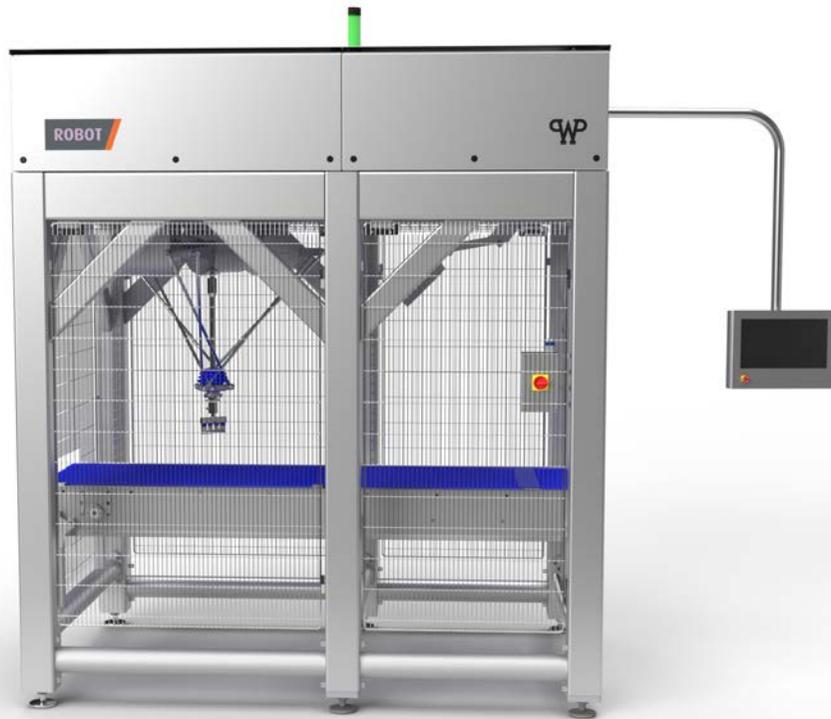
WP AUTOMATIC LOADER FEEDING OPTION: PEELBOARDS

With appropriate gripper arms, the loader removes the peelboards one by one from the rack trolley, grabs the products and puts the empty peelboards back into the trolley.



DETAILED OPTIONS

Modular lye application machine DBA



FOR EVEN MORE AUTOMATION

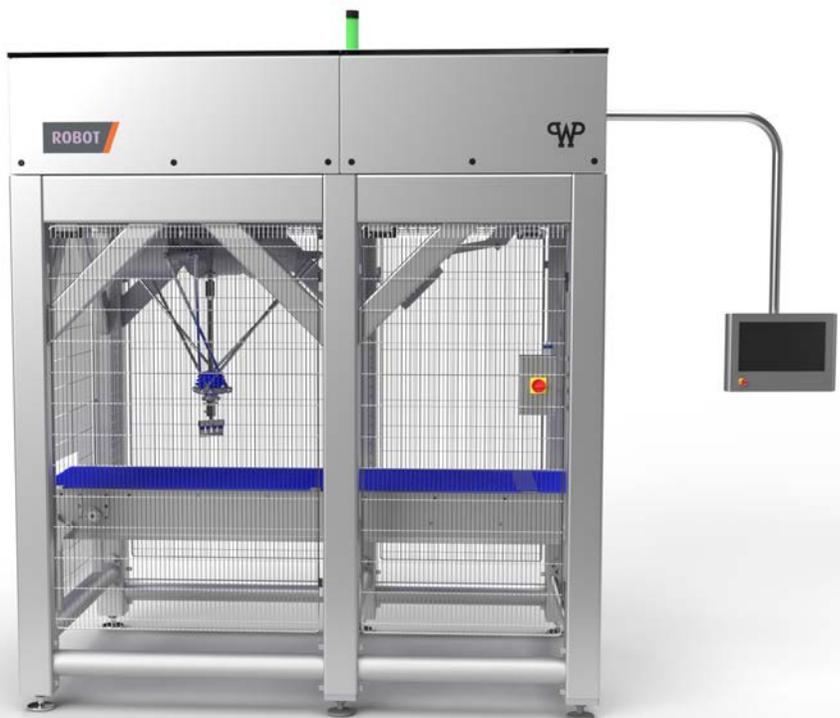
Optional the DBA can be supplemented with a subsequent robot scoring system, like the WP Scoring Robot:

- Different versions of the trimming technique: ultrasonic, rotating blades, water jet
- The number of knives can be configured according to requirements

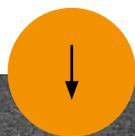


DETAILED OPTIONS

Modular lye application machine DBA



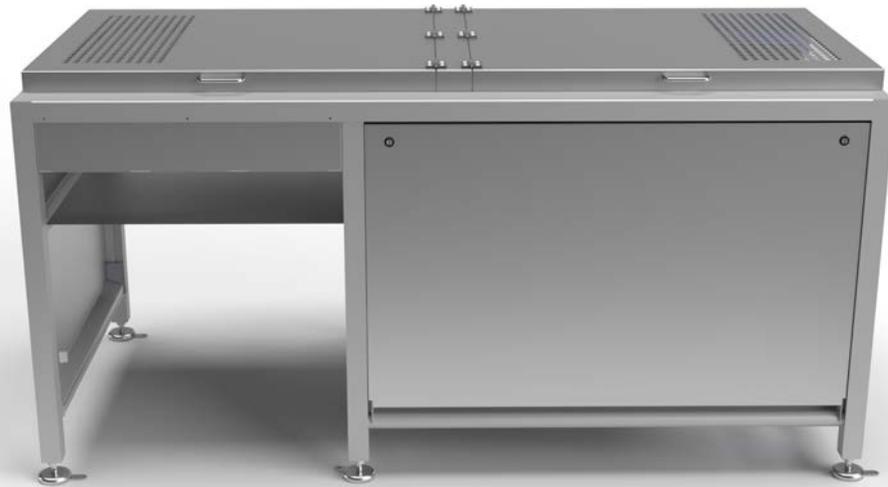
- Integrated 3D camera system recognises the position of the dough pieces
- Various cutting patterns possible (pretzels, bread rolls, pretzel sticks, etc.)



DETAILED OPTIONS

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PANNING UNIT



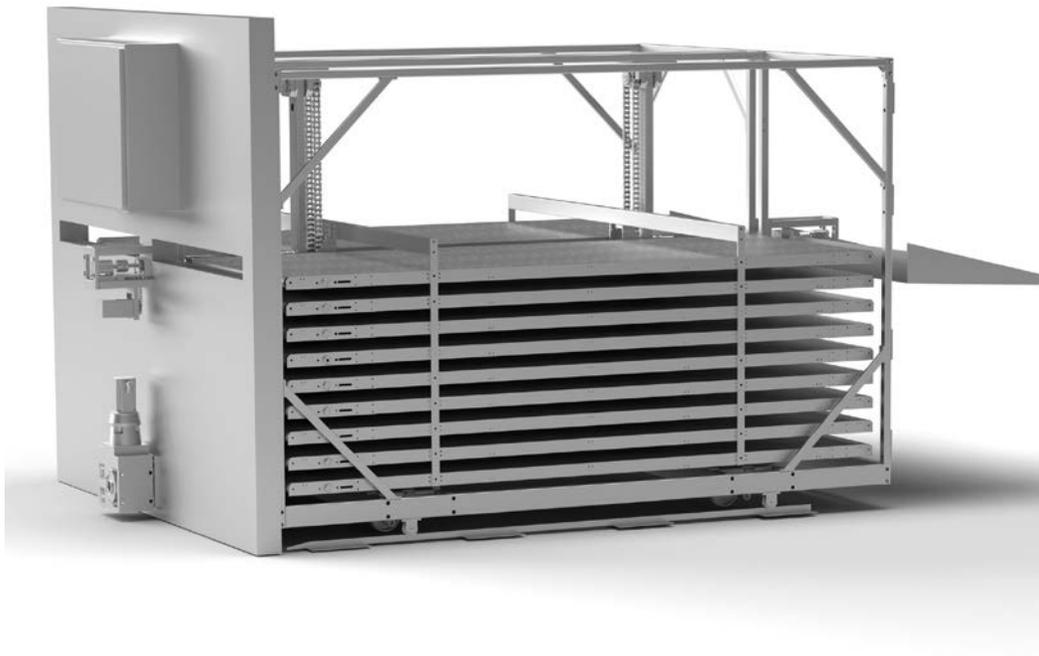
- After scoring, the dough pieces can be deposited onto baking trays with retracting conveyer

- With plastic modular belting for hygiene and easier sanitation



DETAILED OPTIONS

Modular lye application machine DBA



ECO-FROSTER

- The dough pieces can optionally be frozen directly after lye application (and scoring)
- Special features of the Eco-Froster:
 - Large freezer surface in a small space
 - The entire mechanism is permanently in the freezer, making it very energy-saving



DETAILED OPTIONS

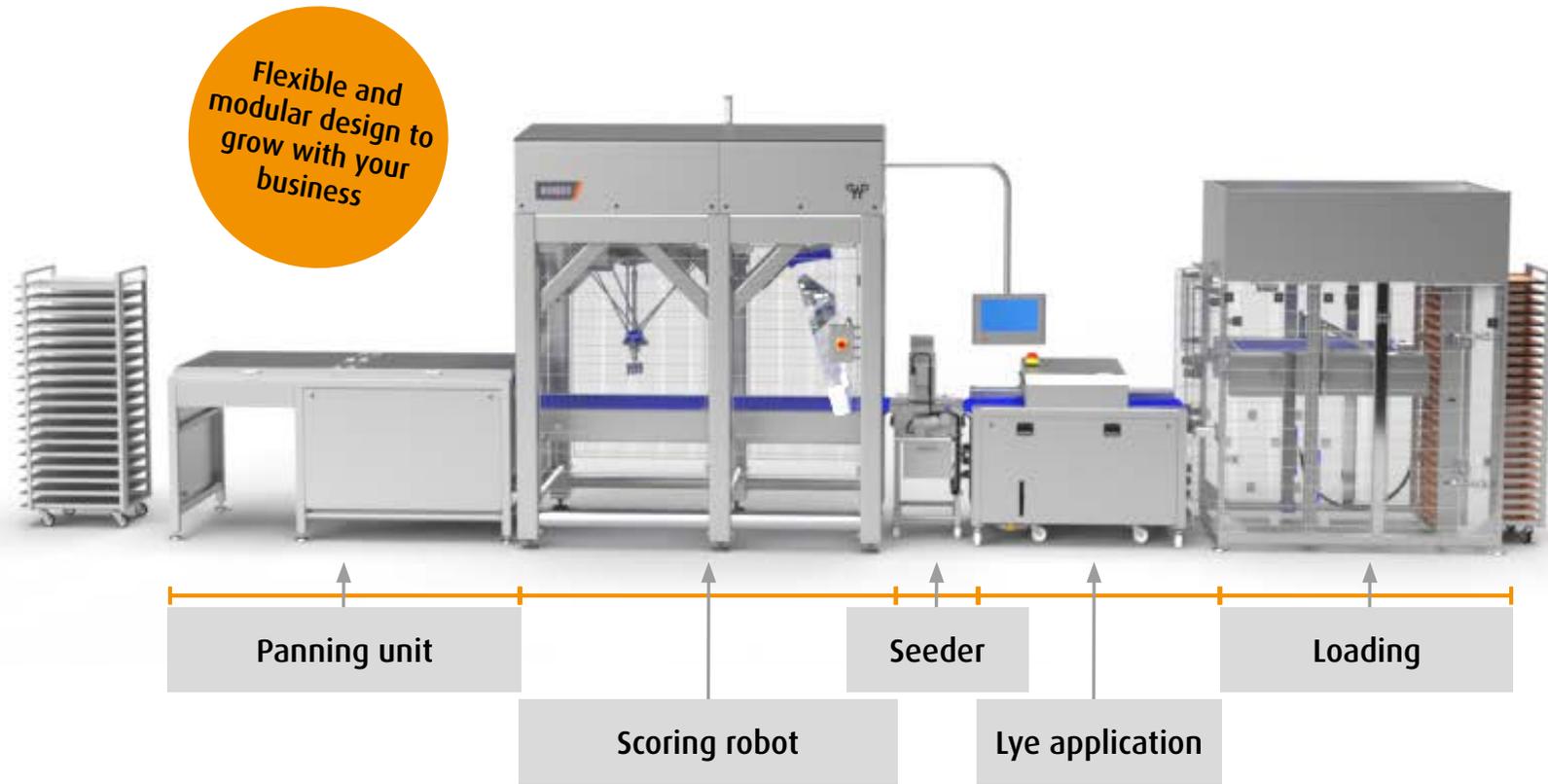
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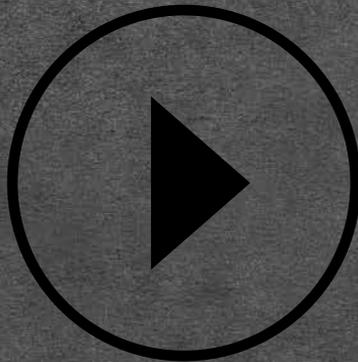
SEEDER

- For various seeding materials
- Interchangeable containers for quick and easy change-over between sprinkling material
- Infinitely adjustable

EXAMPLE OF A PRODUCTION CHAIN WITH INTEGRATED Modular lye application machine DBA



Video of a DBA installed in a COMJET solution



Watch video via browser

WHY

you should choose WP RIEHLE:

- We offer product quality „Made in Germany“
- We produce according to all current specifications and guidelines of Germany and the EU
- We possess over 50 years of experience in mechanical engineering for the food industry
- We have an extensive portfolio and offer customised solutions
- As a part of the WP BAKERYGROUP, the world's largest manufacturer of bakery machines, we can offer comprehensive complete solutions
- We collaborate with 20 agencies worldwide

SPECIALISED AREAS

of WP Lebensmitteltechnik RIEHLE GmbH

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(SAVOURY)
& COOKING

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SNACK
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LYE
APPLICATION

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AUTOMATION

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since
1966

CONTACT and ordering



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**Do you have any
questions?**

**Our sales team looks forward
to hear from you!**

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