

KONIG

THE BAKER'S
CROWN

ROLL LINE KGV EC
THE BENCHMARK FOR HIGH
PERFORMANCE LINES NOW FOR
EVEN EASIER CLEANING AND
MAINTENANCE



**PROOFING, FORMING
& STAMPING**



GENERAL CHARACTERISTICS

- Whole line in modular construction – expandable afterwards
- Maximum line availability by shortened cleaning cycles and reduced downtime due to Easy Clean Design
- Freely programmable control with touch panel display – 50 programmes storable
- Production of long rolled convoluted products and Kipferl possible by attachment of convoluting unit
- Excellent processing results thanks to the use of quality stainless steel components
- Good accessibility of all essential components for cleaning and maintenance
- Also available with final proofer

CAPTION



ROUNDED

e.g. Donuts, milk rolls, tea-cakes, water rolls ...



ROUNDED AND STAMPED

e.g. Kaiser rolls, salt rolls, buns with star and football patterns, etc. ...



ROUNDED AND LONG ROLLED STAMPED

e.g. Styrian long roll, plaited bread, Marraqueta, etc. ...



ROUNDED AND LONG ROLLED

z.B. Pain au lait ...



ROUNDED, LONG ROLLED AND CONVOLUTED

z.B. Kornspitz ...



ROUNDED AND FLATTENED

z.B. Buns, Hamburger ...



ROUNDED AND LONG ROLLED CUT

z.B. Cut bread rolls ...



SEEDED PRODUCTS

STAMPING TOOLS

ROUND STAMPED PRODUCTS



Kaiser



Salt



Carinthian



Star



GB



Crown 8



Crown 10



Evening Time



Ö3



Sunflower



Tractor



Shell



Tartaruga



Spiral



Yin-Yang



3-pointed star



Football

LONG ROLLED, STAMPED PRODUCTS



Styrian long roll



Moon



Caterpillar



Wave



Plait



Rogato



Tartaruga



Housky



Marraqueta

CONFIGURABLE MULTIFUNCTIONAL LINE: KGV EC

With the **KGV EC** featuring the Industrie Rex AW-H as dough dividing and rounding machine, Koenig offers another model in the EASY CLEAN DESIGN series. Due to the modular system, the possible combinations and thus the variety of products are almost unlimited. The highperformance line can be adapted to your individual requirements: rounded, stamped, long-rolled, long-rolled folded, long-rolled convoluted, flattened or seeded products. We know the traditional regional products worldwide and know how to produce them in the highest quality and as economically as possible.

The **Easy Clean Design** offers easier cleaning, maintenance and access to all modules.

Together we design the ideal line for your bakery:

- New standards in terms of hygiene & accessibility
- Highest line availability with minimized maintenance and
- Cleaning times
- Whole line in modular system
- Tailored to your doughs & product range
- Adapted to your space requirements

PERFORMANCE FEATURES

- Performance of 50 to 62 strokes per minute depending on the product. This corresponds to a performance of 44,6400 pieces per hour in 1,600 mm working width and 12-row operation.



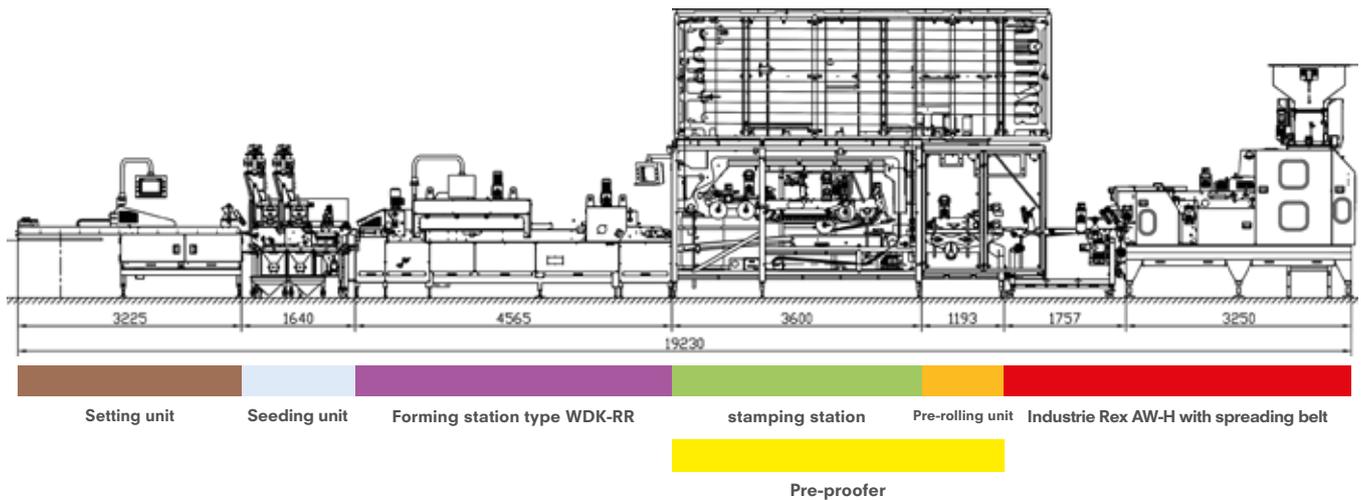
INNOVATIVE EASY CLEAN DESIGN FOR OPTIMIZED CLEANING AND MAINTENANCE

- Maximum line availability by shortened cleaning cycles and reduced downtime of the line
- All new frame construction for optimized hygiene and accessibility with at least 200mm floor clearance
- Sloping surfaces at 45° angle where neither flour nor dough residues can deposit
- Forming tools like pressure boards, stamping tools, centering units removable for cleaning
- Drives encapsulated from dough area
- Large service doors for easy accessibility for cleaning and maintenance
- Industrie Rex AW-H dough dividing and rounding machine in open design, e.g. with foldable transfer belt, swivelling flour duster unit for easy access to rounding drum
- The open design of the forming station, seeding unit and setting unit enables access from both sides

MODEL OVERVIEW



SAMPLE LINE IN 1200 MM WORKING WIDTH



SETTING UNIT

The setting unit guarantees a precise and automatic setting of the formed dough pieces on the tray and is available in different designs. The programmable control allows continuous adjustment of the step size as well as intermediate steps for the batch-wise setting.

OPTIONAL

- Cross setting unit
- Various retracting lengths
- Servo drive
- Cutting device on the setting unit for a cross cut (e.g. Kornspitz)



SEEDING UNIT

Two types of seeding units are available as standard.

TWO BELT SEEDING UNIT TYPE MO(WB/ST)

With water bath and spraying unit for one-sided seeding of the products.

THREE BELT SEEDING UNIT TYPE MO(WB/ST/ST)

With water bath and spraying unit for one-sided and double-sided seeding of the products.

All Koenig seeding units offer you the following advantages:

- Processing of various seeds in different sizes (e.g. sesame seeds, linseeds, sunflower seeds, oatmeal, pumpkin seeds)
- Wire belt module on a mobile frame, completely washable
- Exchangeable conveyor belt mounted on a mobile frame for operation without seeding

OPTIONAL

- Automatic return of remaining seeds



FORMING STATION

Three types of forming stations are available as standard.

FORMING STATION TYPE RR

For forming of longrolled products (Hot Dogs, etc.) and flattened products (Hamburger).

FORMING STATION TYPE SCHR-RR

For forming of longrolled products (Hot Dogs, etc.) and flattened products (Hamburger). You can additionally also fold the dough pieces.

FORMING STATION TYPE WDK-RR

For forming convoluted or convoluted longrolled products with drag belt or convoluting shoes (e.g. Kornspitz), including easily lowerable roller head.

OPTIONAL

- Forming station for pointed ends (e.g. "Spitzweck", Bolillos)
- Sideguides for exact length of the dough pieces (e.g. Hot Dogs)
- Retractable pressure board with wedges for cylindrical shape (e.g. Hot Dogs)
- Additional operator panel

STAMPING STATION

The stamping station is designed with reversible cups for the stamping of round, oval and long products and it is very easy to operate at high operational safety.

Quick product change, large range of stamping tools.

The easily exchangeable stamping tools guarantee a very quick changeover from one product to another and allow easy cleaning.

OPTIONAL

- For the simple longitudinal cut, a pneumatic cutting unit can be easily inserted instead of the stamping tool.
- Optional centering unit on the outfeed conveyor of the stamping unit
- Separate storage trolley for all components extractable for cleaning

PRE-ROLLING UNIT

The pre-rolling unit is a standard component for the production of oval dough pieces, designed as height-adjustable, removable pressure board before proofing. It allows the initial forming for oval and stamped products or the first forming step for long rolled products. Optional with row separation device (e.g. from 10 to 5 rows).

PRE-PROOFER

Proofer with regulated climate (temperature and humidity), swings with cotton covers and a highly effective UV-sterilization unit for empty swings with easily changeable UVC-lights.

OPTIONAL

- Swings with gauze covers (swing duster necessary)
- Cross conveyance for feeding a convoluting machine
- Direct transfer (proofer by-pass)
- Aerosol wetting unit

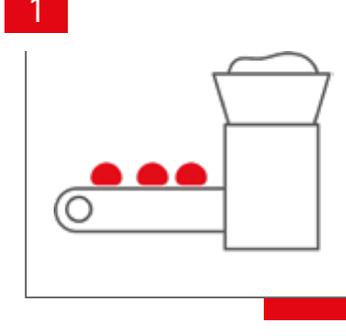
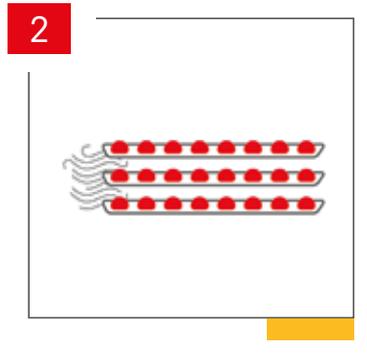
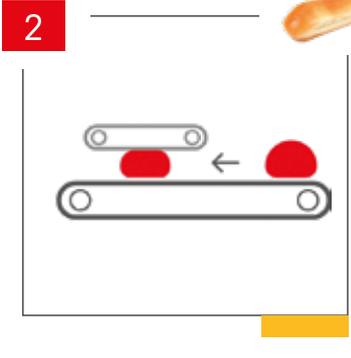
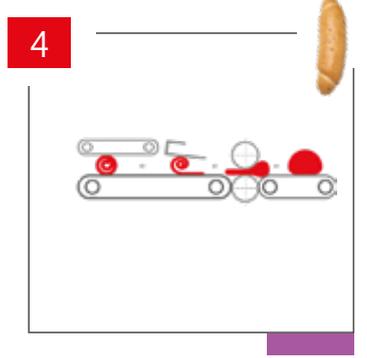
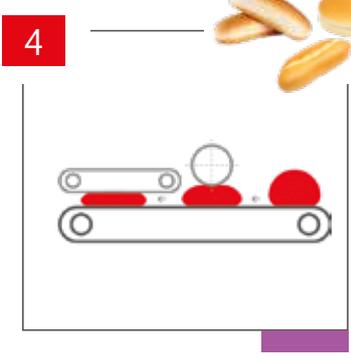
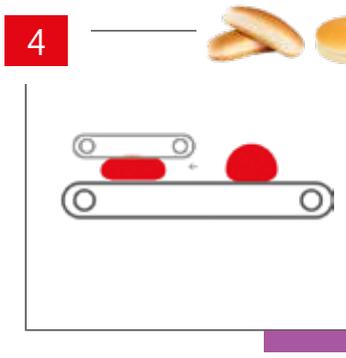
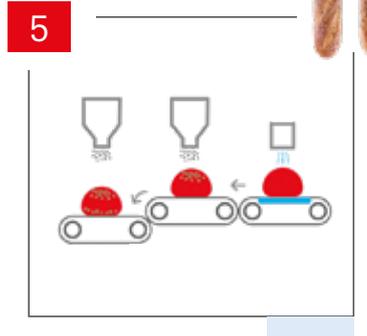
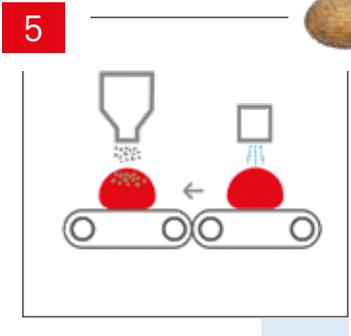
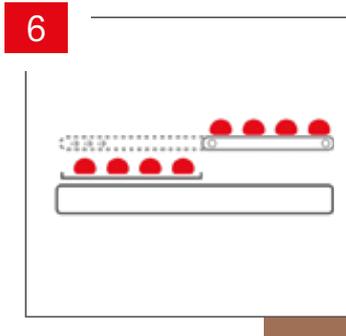
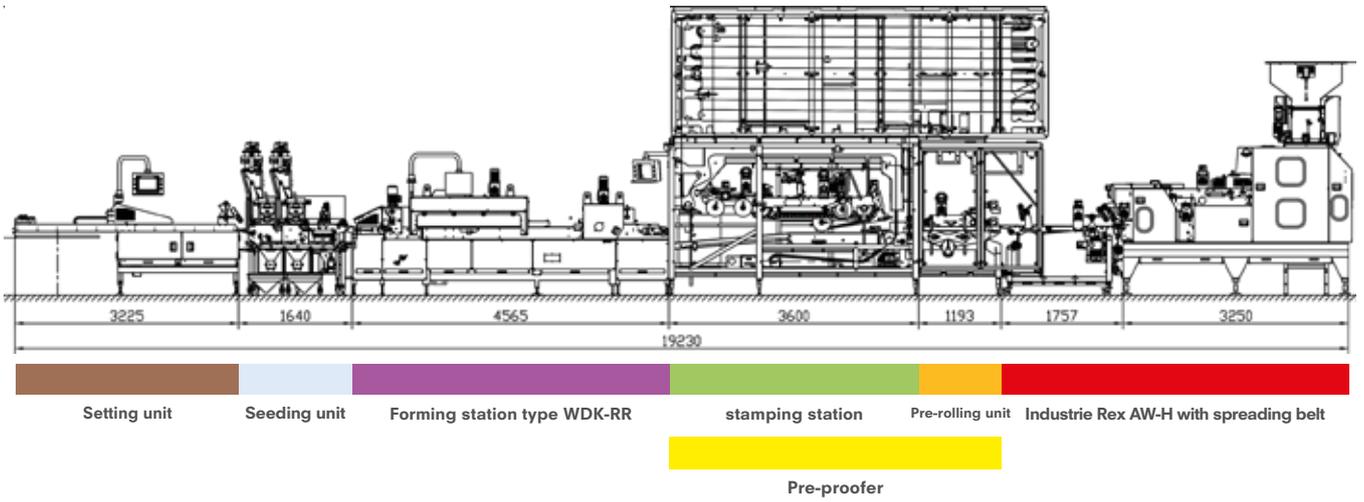
REX DOUGH DIVIDER AND ROUNDER

Dividing and rounding according to the "Rex Principle" – the most gentle dough processing and weight accuracy is possible. With the Industrie Rex AW EC in Easy Clean design, which offers a considerable cleaning advantage. Also available with greasing as an option.

For a weight range of 22-150g.

The proven Koenig Easy Clean (EC) design features separate drives, removable inner rounding drum and swing-out flour dusters for easy access to the drum rounder. The machine enables optimized accessibility to the second rounding belt, the transfer belt can be folded up. The discharge spreading finger belt is mounted on a mobile frame, the transfer belt can again be folded up.





YOU TELL US YOUR PRODUCTS AND WE CONFIGURE FOR YOU THE SYSTEM - TAILORED TO YOUR NEEDS AND REQUIREMENTS!



SERVICE & SPARE PARTS FROM THE MANUFACTURER!

Every machine and system is tested with dough and run in before it leaves Koenig's premises. Our technicians have profound education and years of experience in bakery technology. They assemble the equipment at Koenig and then commission it at your site. And should a problem ever arise, our spare parts and service department is at your disposal. Day and night. Worldwide.



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QR code for more information about
the KGV EC.