

Washing machines Series GEWA ECO



Designed and constructed
for the food processing industry,
food service and commercial kitchens



Washing machines Series GEWA ECO

GEWA5000V ECO



Benefits of the vibration outfeed

- The vibration outfeed is optimally suited for vegetables, salads, fruits, herbs and many more.
- Eccentric motors produce vibrations, which are transmitted into a linear movement of the long lasting stainless steel outfeed screen.
- Depending on product, if the vibrating plate perforation has adequate hole sizes, vibration discharge can be used to product pre classification. This way, smaller particles that can fall through the holes are separated, allowing a better end product quality. Some sorting procedures could be simplified.
- Longer screens are optionally available.

Gentle washing thanks to rotary washing system

The GEWA ECO line is our entry level offer for professional washing to quality-conscious customers. The GEWA ECO washing machines offer perfect solutions for a various scope of application. Products as for example vegetables, lettuce, herbs and fruits can be effectively and carefully washed thanks to our rotary helical washing system.

Depending on the GEWA machine model, you may additionally change the intensity of the helical water flow jets by running a different number of water pumps. This way you reach the optimal conditions depending on product type and amount of dirt.

Well-balanced product distribution in wash tank

Product is circulating through the entire water volume of the washing tank, thanks to a rotating, helical water flow system.

This feature has decisive advantages:

- The compact models with a small footprint allow a reduction of water consumption.
- Movement and distribution separate the product perfectly which allows better water contact during the washing. This leads to a gentle and effective cleaning process.
- The helical water flow system takes most products quickly and gently under water. It is not necessary to use mechanical devices to allow product immersion.



Power washing for persistent dirt

Benefits of the belt outfeed

- Extremely delicate products or big leaves will be neatly discharged from the washing machines through a hygienically conceived mesh belt conveyor with a stainless steel drum motor drive.
- Air knives are strategically placed on top and below the conveyor belt discharge to separate the product completely from the belt.
- For cleaning, all side guides can be tool less and quickly removed. The belt can be released by simply tilting up the drum motor. This open structure of the conveyor frame makes cleaning quick and easy.

GEWA5000B ECO



GEWA3800B ECO

The water flow conveys washed product to the product discharge section.

Spraying device for fresh water shower

Nozzles are installed along the discharge section to allow additional product final rinsing. This treats the product with fresh water to help reducing or eliminating any chlorine and other washing additives attached to it. This final fresh water shower rinse could eventually be considered as an additional wash step.

Resource-saving water cycle

All water used here will directly be guided to the main GEWA waterflow. This way, the used water in the GEWA tank will be continuously replaced by fresh water. Excess water will overflow at a specific area at the pump tank.



GEWA2600B ECO

Useful options

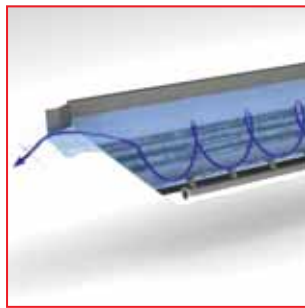
Optionally, we supply water management systems, with or without temperature adjustment, frequency converters for pump drives, connections for ice water and heat exchange by-passes. We also can supply water recycling systems to reduce water consumption, as well as water saving nozzles for the fresh water shower section beside other tailor made options for our customers.

Our standard – the benefits:



Compact and modular construction

The GEWA washing machines assembly is modular. This allows our machines to adapt to different production requirements and conditions, for example changing the discharge system from vibration to belt conveyor, or installing a new air bubble system on an existing machine. Mounting new optional devices to existing machines can be done by yourself or by our trained service team.



HELICAL wash system

The KRONEN HELICAL washing system permits the product to pass through the washing tank along an adjustable water spiral, which means a distance of approximately four times the length of the wash tank itself.



Sand trap

Heavy dirt particles (like small stones) and sand are removed from the product flow and settled separately in the sand trap, at the bottom of the wash tank. Thus we avoid the sand particles to return to the product flow.



Cleaning and maintenance

All pipes, pump cases, wash and pump tanks as well as covers and control panels are manufactured in AISI 304 stainless steel. Furthermore, KRONEN machines have been designed caring specially about:

- simple maintenance
- easy and efficient cleaning
- low operating costs

Options and accessories at a glance



Insect and fines removal system

The insect and fines removal system is available in two versions:

- Removable, **static basket** like insert, for cut and not delicate products
- **Motorized drum**, in addition for delicate products and whole leaves. The insect removing drum can be easily lifted out of the washing tank (for example for cleaning). Opposed to other systems, KRONEN insect removal drum is conceived open and, due to this, easily accessible for cleaning and servicing. The device fulfills all industry safety regulations.



WMS (Water Management System)

The KRONEN WMS allows centrally controlled filling and emptying of the washing machines. During operation there is a fill level sensor to adjust automatically the water level in the tank. If the water level is too low, pneumatic valves will open automatically to add fresh water to the GEWA.

The standard system has two valves for filling and two valves for emptying the machine, as well as the necessary piping. WMS is operated from the GEWA control panel. We can offer special versions on customer request.



Air system

The KRONEN air system allows taking advantage of the HELICAL washing system in combination with the advantages of the floatation washing systems. Air is blown through pipes with multiple perforations which can easily be installed anytime into the wash tank, creating air bubbles in the water. This combination of minimum water flow intensity and the air bubbles system leads to better overall washing quality and product care. Specially when used for delicate products, such as whole leaves or some difficult products as parsley, Lollo type lettuce and baby leaves.



WRS – Water recycling system

KRONEN water recycling system is used on washing lines consisting of at least two machines. Excess water coming from the second washing machine is brought back to the first washing machine, reducing significantly the overall water consumption. We do this, knowing the fact that the first tank has generally bigger concentration of dirt and germs than the second tank, enabling fresh water entering only at the second machine, renewing the whole water cycle from there.

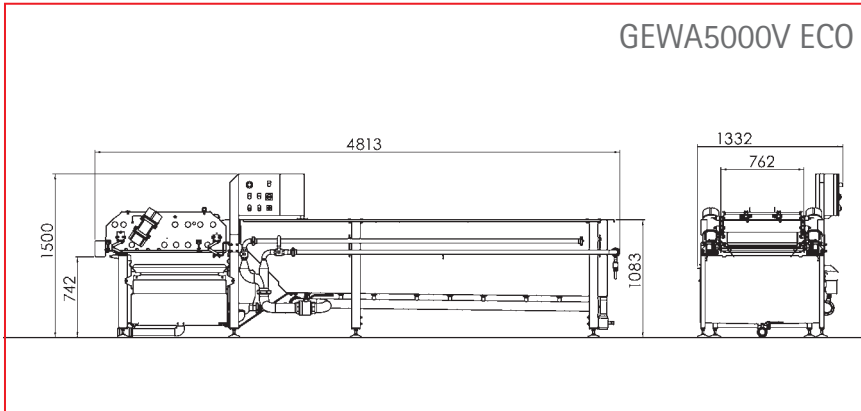


Vibration outfeed : wide variety of screens

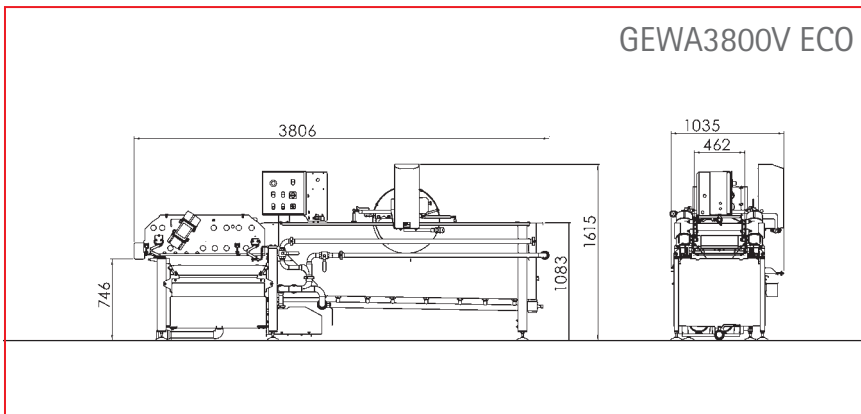
Vibration screens with a range of hole sizes to suit your precise needs are available: 2, 5, 8, oder 10 mm.

The screens can easily be removed and changed within seconds by means of a rapid clamping system.

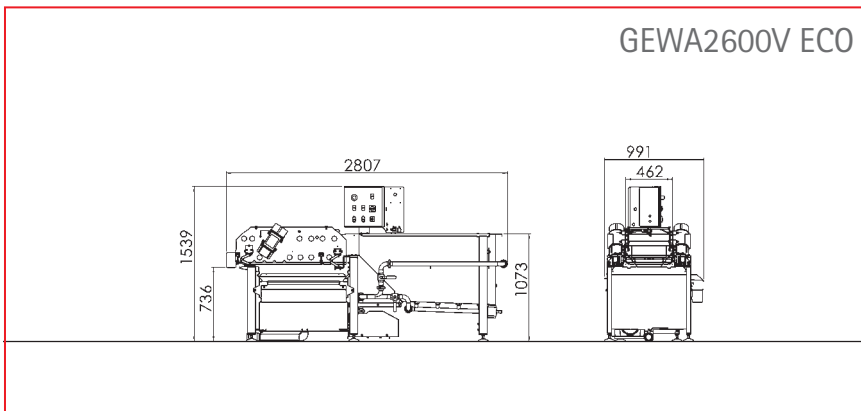
Technical specifications



length	5145 mm
width	1590 mm
height	1600 mm
infeed / feeding height	1073 mm
discharge / outfeed height	825 mm
total power	10.7 kW
voltage	3~400 V N/PE
frequency	50 Hz
total water volume	1400 l
water outlet	2x 2 "
fresh water connection	3/4 (GEKA) "

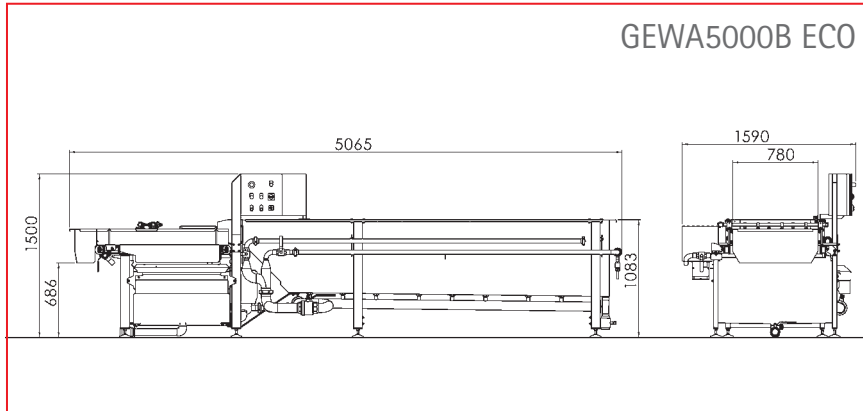


length	3830 mm
width	1280 mm
height	1540 mm
infeed / feeding height	1073 mm
discharge / outfeed height	820 mm
total power	5.6 kW
voltage	3~400 V N/PE
frequency	50 Hz
total water volume	745 l
water outlet	2x 2 "
fresh water connection	3/4 (GEKA) "
weight	560 kg

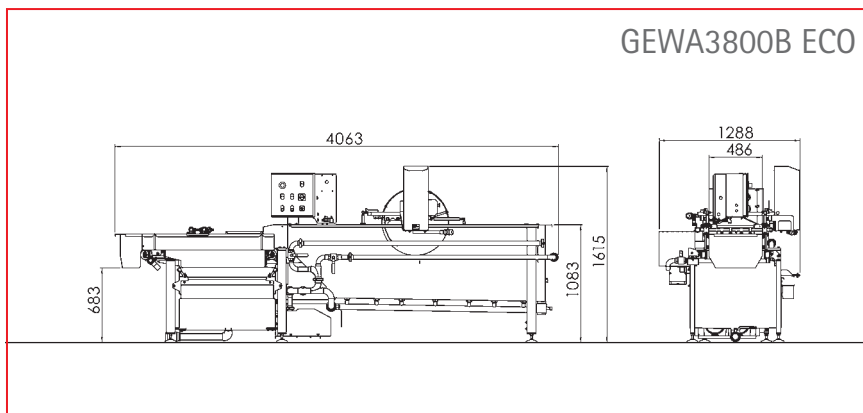


length	2830 mm
width	1280 mm
height	1540 mm
infeed / feeding height	1073 mm
discharge / outfeed height	704 mm
voltage	3~400 V N/PE
frequency	50 Hz
total water volume	560 l
water outlet	2x 2 "
fresh water connection	3/4 (GEKA) "
total power	3.4 kW

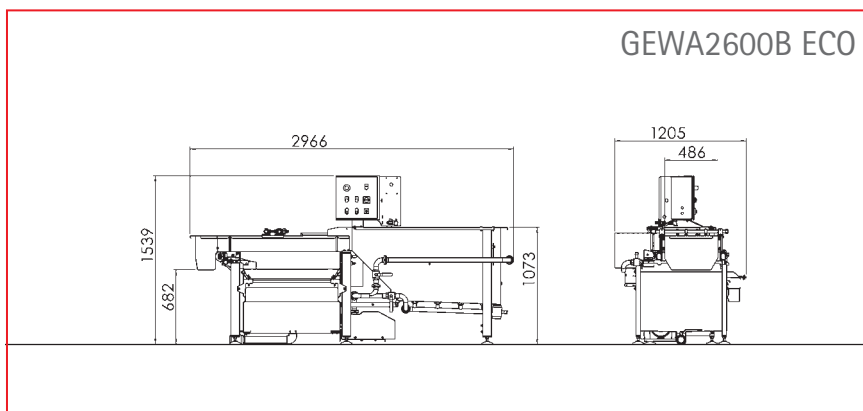
Technical specifications



length	5145 mm
width	1590 mm
height	1600 mm
infeed / feeding height	1073 mm
discharge / outfeed height	825 mm
total power	10.7 kW
voltage	3~400 V N/PE
frequency	50 Hz
total water volume	1400 l
water outlet	2x 2 "
fresh water connection	3/4 (GEKA) "



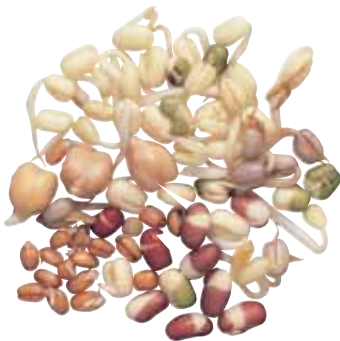
length	3830 mm
width	1280 mm
height	1540 mm
infeed / feeding height	1082 mm
discharge / outfeed height	704 mm
voltage	3~400 V N/PE
frequency	50 Hz
total water volume	745 l
water outlet	2x 2 "
fresh water connection	3/4 (GEKA) "
total power	5.8 kW



length	2830 mm
width	1280 mm
height	1540 mm
infeed / feeding height	1073 mm
discharge / outfeed height	704 mm
voltage	3~400 V N/PE
frequency	50 Hz
total water volume	560 l
water outlet	2x 2 "
fresh water connection	3/4 (GEKA) "
total power	3.5 kW

Product range:

- **Belt cutting machines**
GS 10, GS 18, GS 25, GS 25V, GS 30
- **Slice and wedge cutters**
Tona S, Tona E, Tona S 180K
- **Special cutting and punching machines**
Tona Rapid, Tona Rapid 3D, Tona Rapid XL, Multicorer, Top & Tail machine, Multislicer
- **Cube and strip cutter** KUJ
- **Multi purpose cutting machine** SN 100
- **Cabbage cutting machine** CAP 68
- **Cabbage corer** KSB
- **Dicing, wedging & shaping machine** PGW, HGW
- **Vegetable and salad washing equipment**
- **Centrifuges**
- **Peeling machines**
for citrus fruit, melons, apples, potatoes carrots, celery, etc.
- **Vertical flow packaging machines**
- **Special machines**
- **Complete production lines**



We develop and manufacture stand alone standard and special machines as well as complete processing lines for the food processing industry. We successfully implement production processes for you by effectively combining single machines.

KRONEN - smart solutions and convincing technology for the food processing industry!



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