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FOTONIC

Industrial mixer



www.voltasrl.net

Technical Features

The Fotonic series is ideal for the processing of, cereals, flours, vegetables, spices, but also animal feed, pharmaceutical products, cosmetics and confectionary industry.

- ✓ Double concentric spiral whisk
 - ✓ Variable volumes
 - ✓ Delicate kneading, optimal for fragile products
 - ✓ Inverted rotation for optimal vat unloading
 - ✓ Prime homogenization of the mixture
 - ✓ Lowered loading height
 - ✓ Unloading through sliding automatic opening
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- ✓ Elevated robustness thanks to generous dimensions
 - ✓ Quick and easy to sanitize
 - ✓ Maintenance down to a minimum
 - ✓ Extremely high reliability
 - ✓ Customisable for specific requirements
 - ✓ Maintenance and assistance service included
 - ✓ Ideal for integration into production line

Loading the product

Loading is executed from above. The presence of a metallic net on the lid allows for addition of the ingredients without interrupting the cycle.

The product is immediately weighed at entry by four loading cells which transmit the data to the operator through a touch screen or button interface.

Unloading the product

Unloading is executed by operating the automatic sliding door at the bottom of the hopper. The inverted rotation of the whisk drives the product towards the center, guaranteeing a fully empty vat.

Depending on the application, the loading/unloading systems can be fitted with conveyor belts/augers allowing for the mixer to be inserted in a production line.

Kneading

Is executed by a rotational whisk made up of two concentric spirals, guaranteeing a quick and delicate homogenization of the mixture at any loading condition.

Automation is customizable, the program handles acceleration ramps and cycle duration, making for perfect kneading in very short times, limiting therefore the energy cost and time under stress for the ingredients.



Accessories

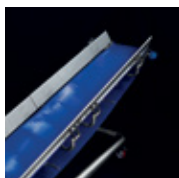
Different
building
materials

Lateral platform
for the operator

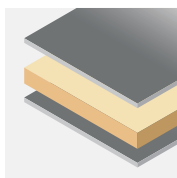
Programming system
to regulate production
and manage automatic
functioning

Gearbox entirely
out of stainless
steel IP 69K

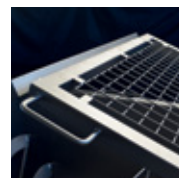
**Provision for
interconnection**
with company
networks
"Industry 4.0" for
integration into
production cycles



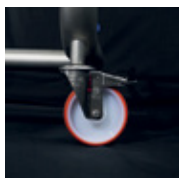
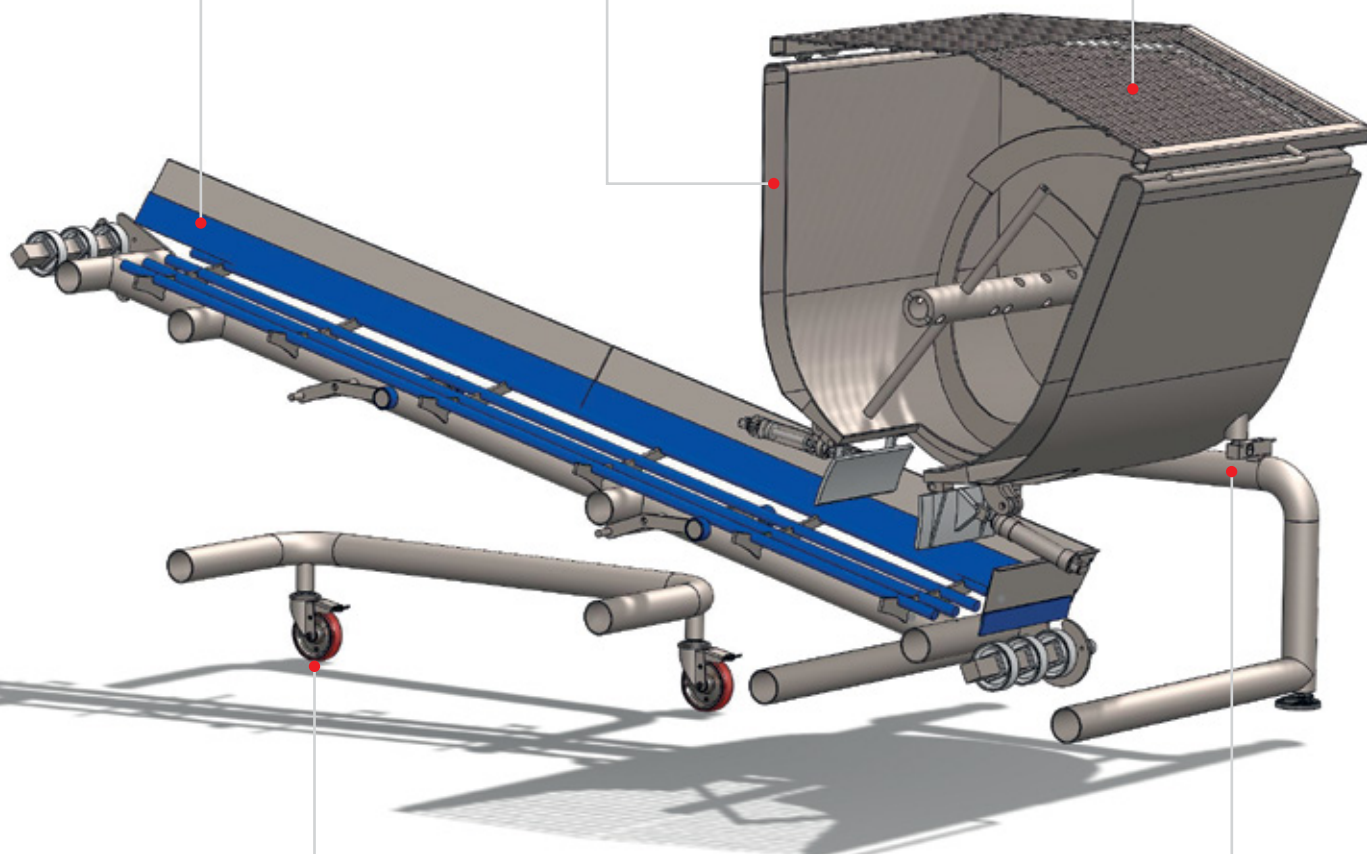
AUTOMATIC
loading/unloading
systems



HOPPER with
insulation space



HINGED SINGLE DOOR
or hermetic upper lid



LOAD CELLS
with panel
programming

Taylored Fotonic

SPECIFIC SOLUTIONS AND DESIGN SERVICE

Beyond mixers in different configurations, we offer custom design, production, and implementation services.

Thanks to cooperation with selected providers and many years of field experience, we are able to deliver the best solutions for any specific operational need. Whether the products are fresh, frozen, dry, or wet, we strive for maximum performance and reliability, maintaining a geometric build architecture that is simple and extremely practical during cleaning stages.



Sectors of utilization



Food



Animal feed

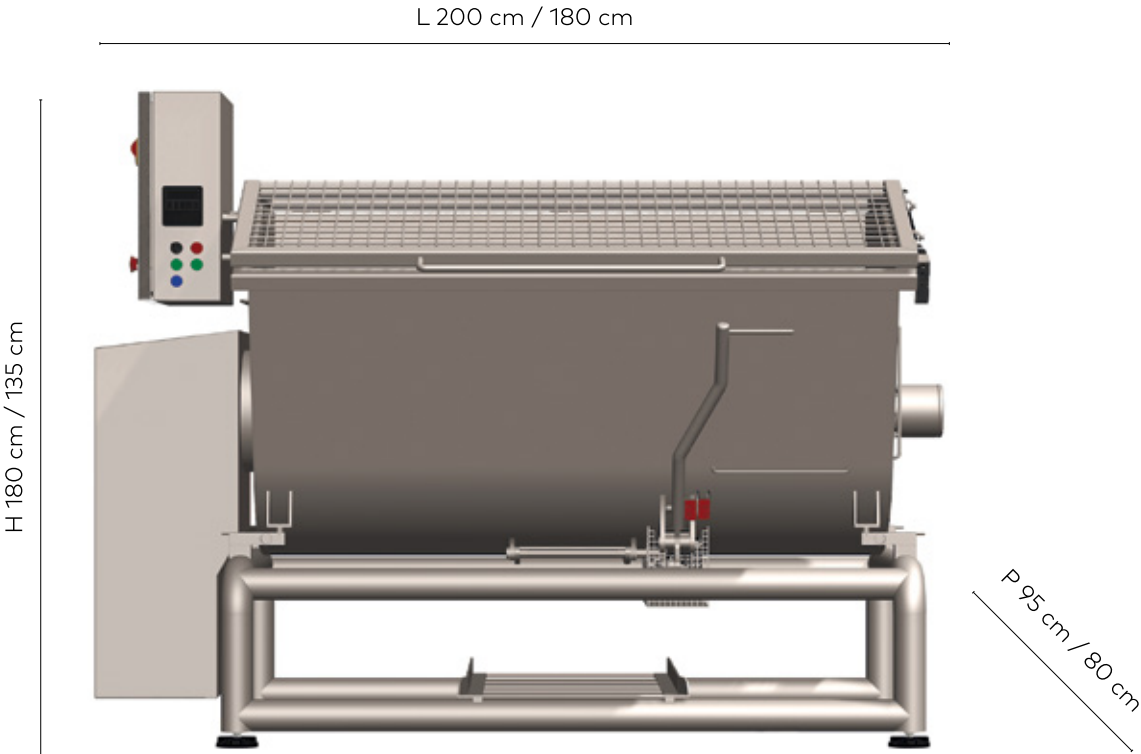


Chemistry and
pharmaceutical



Plastics

Technical data



Characteristics	Fotonic 2000 E. d.i.	Fotonic 6000 d.i.	Fotonic 12000 d.i.
Material	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304
Finish	Ceramic microshot peening	Ceramic microshot peening	Ceramic microshot peening
Capacity	200 Liters	600 Liters	1200 Liters
Rotational velocity	Inverter regulated 27 RPM	Inverter regulated 27 RPM	Inverter regulated 27 RPM
Power supply	400/220 Volt - 50 Hz	400 Volt - 50 Hz	400/220 Volt - 50 Hz
Auxiliary circuit	24 Vac	24 Vac	24 Vac
Whisk motor power	1,1 kW	4 kW	According to product type
Secondary engine	Manual	1,1 kW	1,1 kW
Certification	European Machinery Directive 2006/42/EC	European Machinery Directive 2006/42/EC	European Machinery Directive 2006/42/EC



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