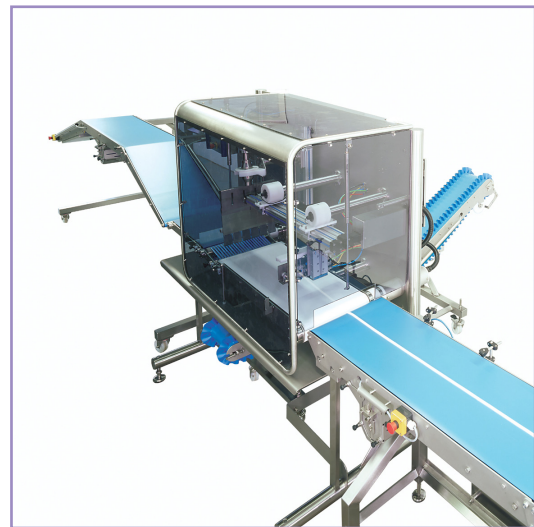
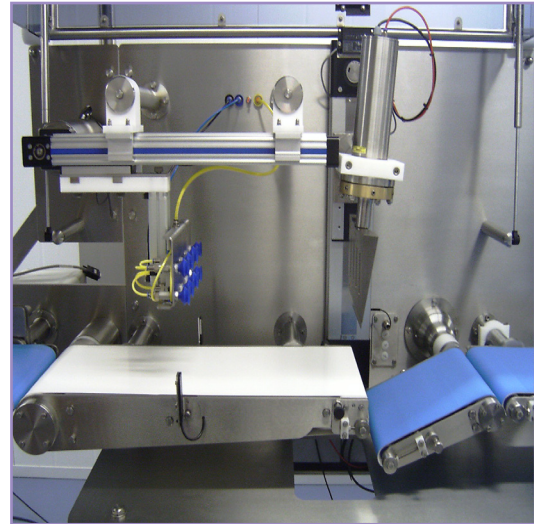


autoSONIC cutter



The autoSONIC is an in-line slicer built around a robust stainless steel tubular frame and substantial base plate, allowing all components to be mounted for optimum cleanliness, functionality and looks. The standard format has a single conveyor. Portion size can be determined by length, time or target weight.

Positive holding of product using a vacuum or mechanical gripper with a servo driven top drive system ensures precise control and minimal waste. Alternatively, product may be placed on carrier boards to allow fixing of products during the cutting process.

The autoSONIC can be equipped with a number of options. For example, a rotary head allows wedges to be cut from block and round products.

Additional conveyors can be added for product infeed and outfeed, as well as stacking, shingling and waste rejection options: in-line weighing and laser scanning means the machine can produce highly accurate portion control, while the addition of 2D and 3D camera technology means contouring and profiling of product can be implemented - offering maximum product yield and minimum portion giveaway.

autoSONIC cutter

Possible applications

The autoSONIC is suitable for slicing block products such as cheese, pâté and pastries into variable slice thicknesses from 1mm with an accuracy to 0.1mm.

Loading and offloading can be manual or linked to other processing or packaging equipment.

Machine specifications

	autoSONIC in-line slicer
Dimensions (h x w x d)	1800 x 2000 x 1100
Weight	300kg approx
Electrical connection	16A 230V AC
Air connection	80 psi 6 bar compressed air
Cuts per minute	Up to 100 cuts per minute dependent on product
Maximum product size	400mm round or square
Construction	Stainless steel frame and chassis with polycarbonate/stainless guard
Cabinet	Electrical/electronic components housed within the rear mounted stainless steel panels - IP65 rated
Control system	PLC and user friendly monochrome touch screen
Cutting head	20kHz titanium sonotrode
Product drive	Servo driven conveyor
Cutting head control	Smart step servo
Operator interface	Preset programs. Engineer functions include diagnostics, manual mode, password protection and system settings
Product loading	Manual/automatic loading and offloading
Portion configuration	Variable portion size controllable via touch screen
Machine mobility	Levelling feet or castors
Cutting height and speed	Variable
Slice	Yes
Stack	Yes
Rotary portion	No
Shingle	Yes
Product centraliser	No
Pre-weigh	No
Orbital radius cut	No
Top drive gripper	Yes

Typical arrangement

