

Ultrasonic cutting machine in line for rectangular logs and round wheels with overweight management

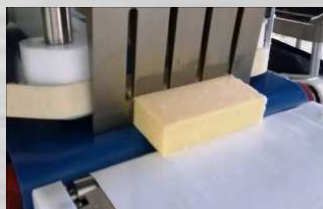
Speed : 50 - 120 Strokes / min

Video machine link :

<https://www.sodeva.com/en/industrial-cheese-slicer/>



Round wheels 180 to 400 mm diameter in wedges



Rectangular logs in portions



Triangles in logs

Functionalities

- Wheels cut in wedges fixed weight, no need to change of tools, 180 to 400 mm diameter
- Logs in 600x200x150 mm volume cut in portions / slices / triangles
- Triangles done in logs, cylinders in round slices
- Cadence adjustable from 50 to 120 cuts / minute.
- Patent with our lateral adjustable belts to perfectly permanently hold the cheeses during the cut
- Weighing in line, 3 D vision, calculation of the fixed weight portions, overweight managed
- Goal weight tipped on the color touch screen, all recipes saved
- Swiveling of the ultrasonic Sodeva blade to cut the rectangular logs in portions or slices
- Coring in line

Cleaning

- All 304 L stainless steel.
- Easy bels off tools dismantling.
- Water proof machine low pressure or foam.

Operation cycle round wheels and rectangular logs

- Cheeses placement upon loading conveyor, weight in line,
- Goal weight given and automatic calculation of the portions weights in the PLC with optimization
- Logs or Wheels, weighed, scanned, lateral belts holding perfectly cheeses during the cuts
- Cut at the right weights for all portions sharing the overweight upon all or extracted
- Exit of the cheeses and automatic loading of another one
- Slices stakes in line possible
- Minimum trims done and often avoided
- Sticks, chunks, slices in line



Machine composition

- All stainless steel 304 L,
- Loading, weighing, 3 D scanning, cutting and exit conveyors
- Lateral gear belts to hold logs and wheels
- Cut at the radius and overweight management (extracted, shared or stuck to the mast slice)
- All Brushless motors (electrical) to reach high accuracy
- Sodeva ultrasonic large blade 120 mm in height 200 mm in width cut at the radius
- Schneider PLC, color touch screen, all recipes saved,

Options

- 3 D scan to reach lower giveaway rate
- Larger blade if needed
- Larger lateral belts to cut Edam bowls for example
- Rotating head to do triangles in logs
- Stocking conveyor to feed the machine
- Tailor made exit to load your packaging machine

