

ROLLER GRADING LINE

Application

Roller grading line is designed to calibrate fish by its thickness. The design is made for fresh small fish like sprats and Baltic herring species and similar ones like sardines, pilchards and anchovies.

Main benefits

- Fast and safe grading
- Less damage to fish
- Easy adjustable grading system
- Only 2 operators needed

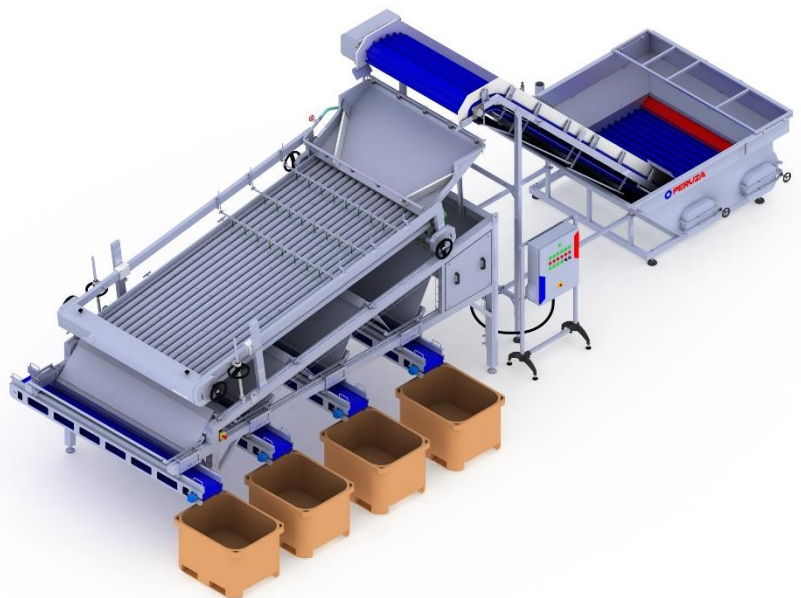
Operating principle

Fish is supplied into receiving tank, where hopper-elevator lifts them up and drops onto distribution chute that later guides them onto rotating rollers. Tank is equipped with water level control system that helps to control permanent fish flow in any stage of work.

Roller grading unit performs fish grading into three grades + oversize grade. Grading unit rollers are deployed into V shape with option to adjust the gap between rollers on in and out feed sides. Fish slides down the gap between rollers while the size of the gap is smaller than thickness of fish. When the fish size matches the gap size it falls through the roller gap and drops in the determined grade.

Grades are separated and guided to cross - conveyors by easy moveable chutes. Fish from each grade is conveyed to the plastic bins. When the plastic bins are full with fish, the line operator can separately stop any of cross-conveyors, change the bin and run the conveyor again.

Oversize grade is located at the end of roller unit.



Available grader options

Roller grader execution	Grading capacity
15 roller grading line	Up to 7500 kg/h
19 roller grading line	Up to 10 000 kg/h

- *Processing capacity correlates with fish size. For more precise grading capacity please address graph on the other side of leaflet.
- *Processing capacity is shown for fresh fish. Processing of defrosted fish results in lower capacity.
- *Processing capacity shown is for catch with by-catch less than 25%

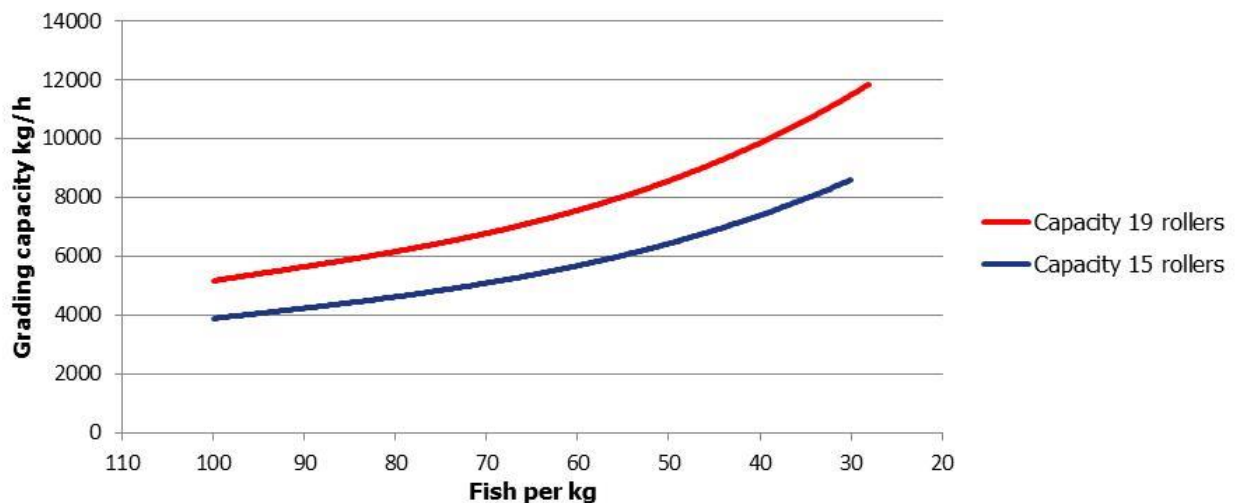
See equipment in action



Technical characteristics

Fish	Pelagic fish
Number of grades	3 + oversize
Size of processed fish	30 – 100 pcs/kg
Equipment dimension (LxWxH)	9300 x 3200 x 3600 mm
Diameter of rollers	76.1 mm
Length of rollers	3500 mm
Water level	Adjustable
Additional options	Hydraulic lift for hopper elevator

Roller grading line capacity

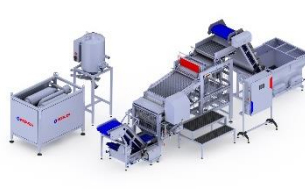


For more processing solutions



Autonobbing line

Reduce your cost of nobbing!



Drum-type nobbing line

Process small fish into quality product!



Water defrosting line

Use efficient defrosting for your products!



Autofeeder

Reduce your costs!