



New Features

ProSorter

PROFESSIONAL SALMONIDS EGG SORTER

Digital image processing technology



ProSorter

Salmonid egg sorting system that uses image analysis to sort viable eggs from those that will not survive.

Easy to operate and adjust.

ProSorter is widely used worldwide and has been part of the best salmonid egg breeders' production systems since 2012.

Auto calibrating process

Each time a new batch of eggs is loaded, ProSorter adjusts its settings to the batch, compensating for egg batch variation without compromising sorting quality.

Easy-to-adjust sorting parameters

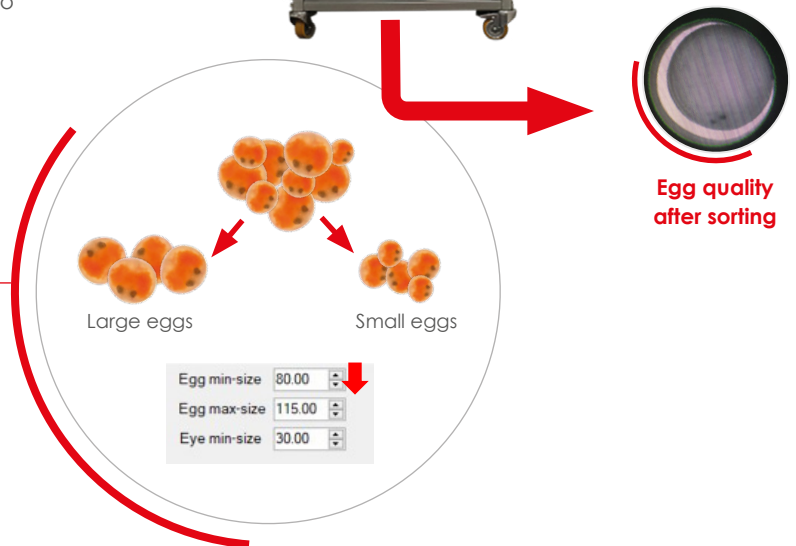
User can easily adjust egg sorting parameters before and during the sorting process:

- Egg Minimum size – to set a threshold limit for small eggs
- Eye Minimum size – to improve discards for microphthalmia (Minimum eye size to approve egg)
- Paleness factor – to adjust for variability in the coloration of certain batches
- Threshold Dead – to adjust threshold on egg opacity to consider it dead.
- Area Dead – to improve sorting out white spot, hemorrhagic or unshocked eggs
- Batch size- to enable the counting of eggs and splitting of egg batches (such as for shipping)

Sorting eggs by size

Egg size adjustment can be set to sort populations of viable eggs, by size. This may improve survival rate and reduce production costs associated with lack of uniformity.

ProSorter will discard

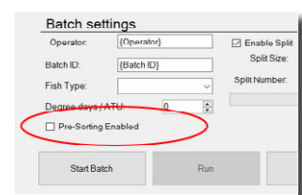


Egg min-size	80.00	↓
Egg max-size	115.00	↓
Eye min-size	30.00	↓

NEW

PreSorting

Effectively sorts and counts at early stages, without assessment of eye size. Makes sorting out pale, small and dead eggs early.



Technical Information

Ref.096600

SPECIFICATIONS

Dimensions

Length	970 mm
Depth	700 mm
Height	615 mm
Height with open camera arm	800 mm
Depth with open power cabinet	1135 mm
Net weight	100 kg

Egg Specifications

Egg size range	4,5 to 8,2 mm
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Power supply

Voltage (V AC)	240
Intensity (A)	10
Frequency (Hz)	50

To ensure the protection of your ProSorter against electrical shock (surge, voltage variation, lightning) the use of a voltage regulator is strongly advised.

Water supply

Inlet (l/min)	20
Pressure(bar)	1

Air Supply

Pressure (bar)	2
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Technical Support

A team of global engineers is available to support the ProSorter.

When you buy a ProSorter, you will get:

- Installation and training by a qualified IMV Technologies engineer
- Options to purchase preventive maintenance contracts and spare part kits (REF. 027963/ 027964)
- No cost software updates
- ONLINE support via Teamviewer connection.

Lower mortality after sorting

Approved eggs are gently removed with water flow, reducing damages.

High sorting accuracy

Image analysis of four different pictures of each egg. This results in highly precise sorting for egg size, eye size and egg color intensity (<1% sorting error)

High counting accuracy

The last of the four cameras, counts eggs with a high degree of accuracy (<0,5% counting error)

High speed sorting and no doubtful eggs

Speed of ~124.000 eggs/hour. Consistent 8-hour operation represents about 1 million quality eggs, ready to be dispatched per day, without a second round storing.

Printable batch reports

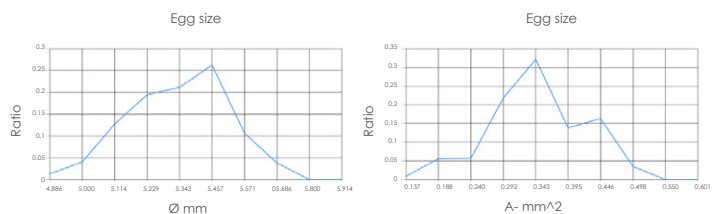
Report automatically generated when a batch is finalized including egg traceability information and sorting results.

- Fish Type
- Operator
- Degree days/ATU
- Total number of eggs sorted
- Total number of approved eggs sorted
- Average egg diameter
- Average eye area

Input Ratios

Approved	Pin eyed or glass eggs	Dead or Unfertilized	Small or Oversized
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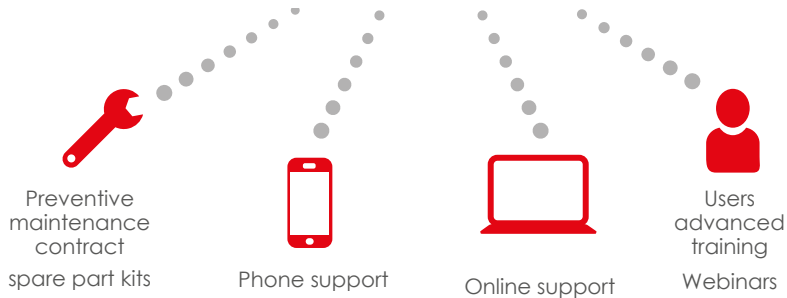
ProSorter sorting report



ProSorters Worldwide



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