

Macro Exel Fish Counter

Fast and Accurate

The Exel is the largest fish counter in the Macro Range, using line scanning cameras and computer vision. Fish are carried gently in water and the fish images scanned and recorded. The custom VAKI software is used to analyse and count each image with accuracy over 99%.

The Exel has a 120cm wide counting area with 25% higher capacity than the standard Macro and can be delivered in either single or 4 channel versions. All VAKI counters are made of 316L stainless steel and produced by the highest standards. VAKI has sold nearly 2.000 counters worldwide, with their proven technology of scanning camera and computer vision.

Advantages

- Accurate counting of live fish from 0.1g to 800g.
- Accuracy 99%.
- High Capacity: 1,200,000 fish per hour @ 1g.
- Images and count report saved for verification.
- Traffic light warnings on max capacity limit.
- Fish in water at all times.
- Fully compatible with VAKI SmartFlow.
- Wi-Fi for remote service/support.
- Access to VAKI Cloud.
- Removable Split Head Design:
 - Camera remains on counter body.
 - PC can be positioned remotely from counter body.
 - PC can be used as back up for other counters in the Macro Range.
 - Easy access for service.
 - PC lighter to move for storage, safety and security.



SMARTFLOW

The SmartFlow System facilitates the optimization of VAKI Grading Systems in order to achieve high levels of efficiency in grading and counting accuracy.

VAKI Smart Grader and Smart Pump can be controlled and fine-tuned using the SmartFlow software on the counter.

The VAKI SmartFlow program allows either:

- Operator control of the grader and pump remotely from the VAKI Counter.
- Control of the grader and pump automatically by the VAKI Counter.



SMART FLOW

AUTOMATIC FEEDBACK CONTROL

ONLINE DATABASE / LOCAL SERVER

PUMP SPEED ADJUSTMENT



DENSITY CONTROL



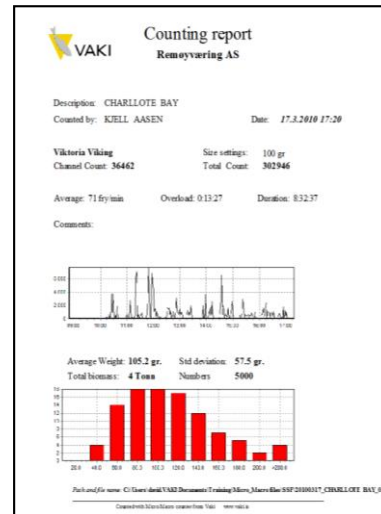
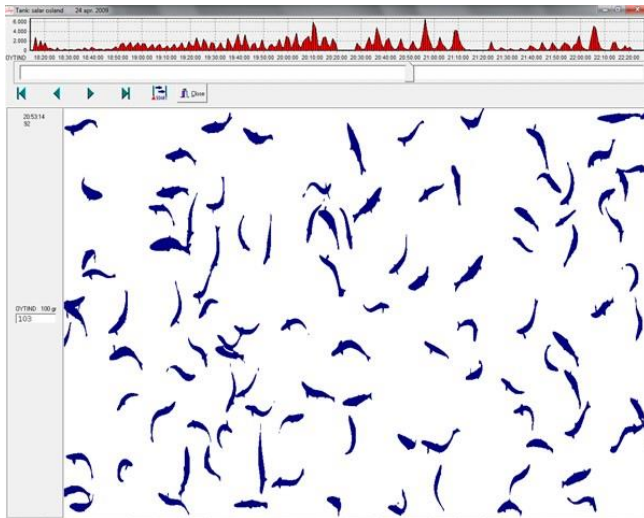
COUNTING REPORT



VAKI CLOUD

The VAKI Cloud is the online location to store and access all your VAKI Count Reports, fish images and SmartFlow grading reports. All VAKI Counters, Smart Graders and Fish Pumps have the ability to automatically backup their data files to the VAKI Cloud.

The secure Log in the VAKI Cloud will also allow access to current operational status and service information for your VAKI equipment registered into the VAKI Customer Care Program.

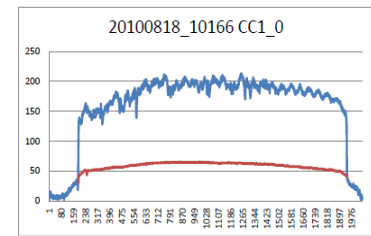


VAKI Customer Care Package

VAKI provide inclusive service and training packages for checks and support of your VAKI equipment by our skilled service team.

This also gives us the opportunity to advise and make recommendations on the operation of your equipment and identify any technical, set up or training issues that may be affecting accuracy or optimal use of your VAKI equipment.

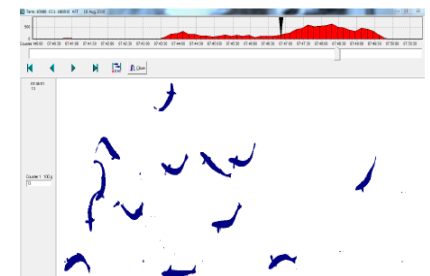
Edge position and bulkheads checked
Calibration check
Hard drive clean up
Windows updated
Service Report
Software upgrades
Registration of counters in online service database
Online service history for all equipment
Unlimited telephone and online support for troubleshooting and technical assistance.
Random selection of 2 files from time of last service checked for quality of images.
1 x free count quality report
25% off additional software packages (size estimation & mobile App)
Preferential service and contract hourly rate
Discounted parts prices 15% per contract year up to max 45%*
Onsite service visits at a discount
VAKI Cloud subscription for automatic storage of VAKI count files.



All settings as below look ok.

Size Group Selected	100 gr	Prog. Version	373
Total Count	1679	L edge	192
Overload	0	R edge	1945
Auto Size Sense	1	Nr Channels	1

Sample Images:

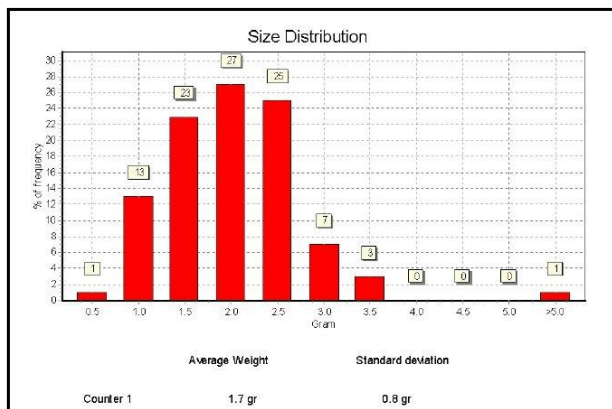


* Maximum available discount can vary on the item.

Size Estimation

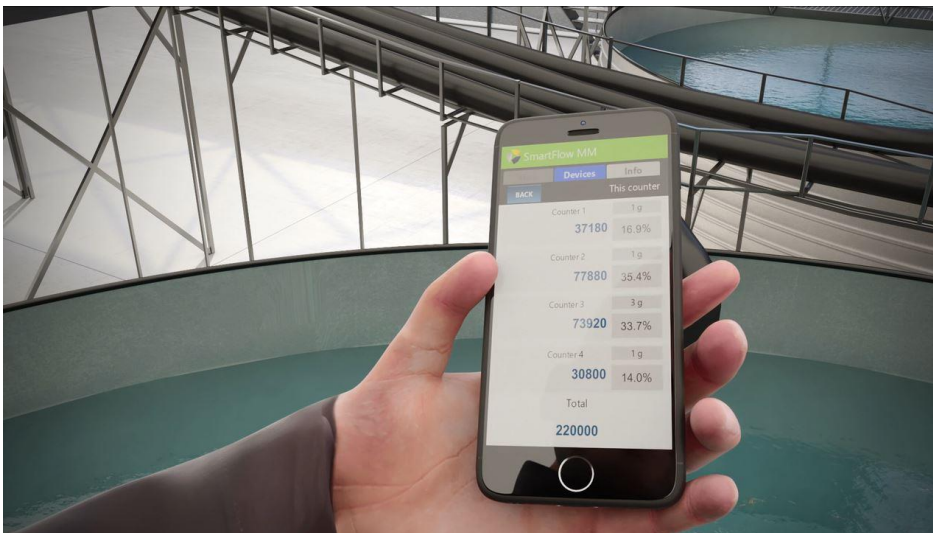
An optional feature to the counting program, the size measurement module, presents average weight and size distribution for a sample of the counted fish.

In one simple operation complete data on numbers, sizes and total biomass can be obtained without manual handling or stress.



VAKI App

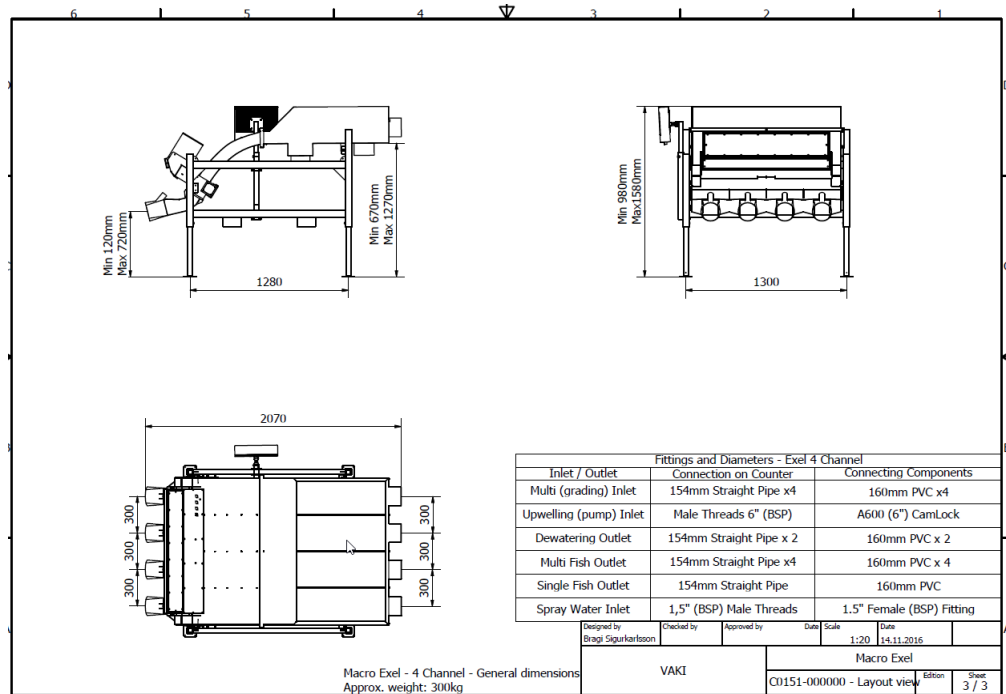
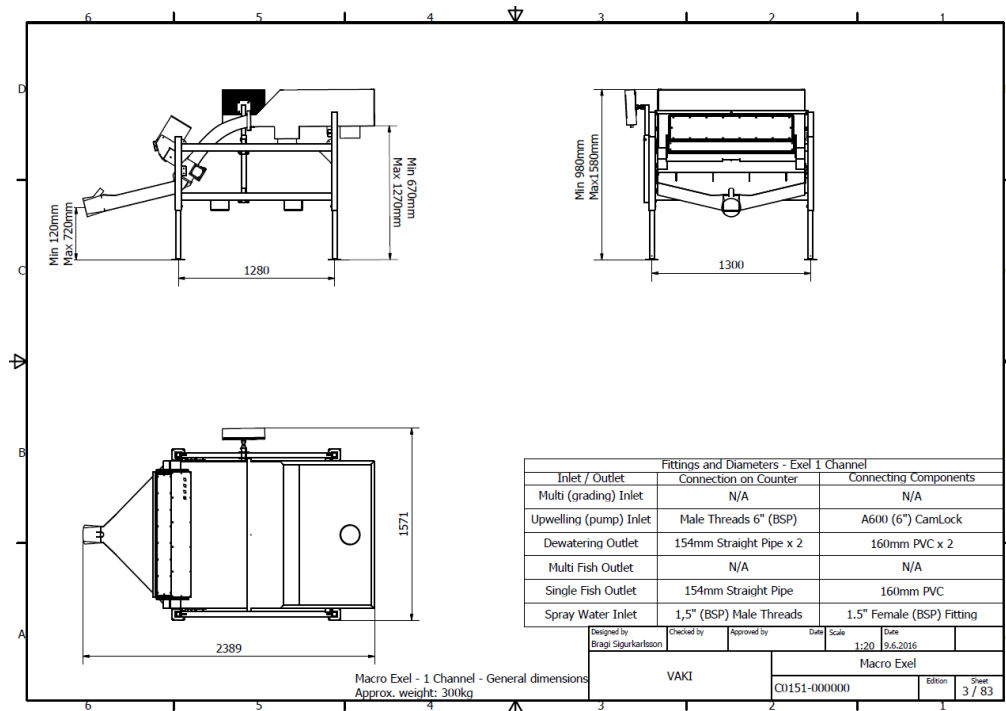
Among other features the Macro app provides the user the option to run the counter, view the results and email the count report from a smart phone or tablet.



Specifications

	Micro	Macro	Macro Exel
Accuracy	99%	99%	99%
Fish Size	0.1g-200g	0.1g-400g	Up to 800g
Capacity	500.000 1g fish per hour	1.000.000 1g fish per hour 200.000 50g fish per hour	1.200.000 1g fish per hour 240.000 50g fish per hour
Weight	150kg	300kg	360kg
Dimensions	(L x W x H) 1.5x0.7x1.5m	(L x W x H) 2.5x1.3x1.1m	(L x W x H) 192x143x123m
Counting Width	500mm	1000mm	1200mm
Power Supply	110/220V	110/220V	110/220V
AP/Remote Monitor	Yes	Yes	Yes
Size Estimate	Yes	Yes	Yes
Technical Support	Yes	Yes	Yes
Training	Yes	Yes	Yes
Custom Design Available	Yes	Yes	Yes
Warranty	Two Years	Two Years	Two Years

Layout Drawings – Exel Counter



More information on www.vakiiceland.is/macro-exel/