

# NEWTEC

the world leaders

## volume

### Introducing Newtec Web Services

- Web Services delivers business information and productivity tools for your Newtec Celox optical grader and Newtec Weigher
- Customers can access Web Services information over the Internet, making your information available to you wherever you are
- Web Services requires a broadband Internet connection for your machines
- Web Services is available for a one off setup fee per customer and an annual license fee per machine, ask your dealer for pricing
- Web Services provides a vast range of detailed information and reports all designed to improve the information flow in
- Web Services provides a simple system for managing your traceability requirements
- Web Services provides detailed statistics from your grader and weigher to enable: -  
Greater opportunity to increase your production value  
Enhanced options for optimising your production
- Web Services provides a powerful set of reports for grower management, comparison and feedback
- Web Services provides remote servicing via the Internet: -  
Reduces downtime  
Monitors performance levels
- Web Services enables you to work smarter, and provides many ways to increase the volume and value of your production

value

reporting



### main features

- Traceability
- Product Utilisation
- Product Optimisation
- Grower Management

# increase productivity

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## web services ...work smarter

NEWTEC A/S  
Stærmosegårdsvej 18  
DK-5230 Odense M  
Denmark

T: +45 66 15 84 44  
F: +45 66 15 44 39

E: mail@newtec.dk  
www.newtec.com



### Easy connection...

Newtec Web Services requires an Internet connection for your machines

Typically a DSL (or other broadband) connection that provides an ethernet connection and a speed of at least 512Kbps down and 256Kbps up for the grader and 128Kbps/128Kbps for the weigher (this requirement will grow if you increase the number of machines)

For connecting multiple machines it will be necessary to have a Local Area Network (this can be achieved simply by adding a router/switch to your broadband connection) more technical guidelines will be provided before Web Services launches

To access web services you will just need a web browser (ideally Mozilla Firefox) and a PC with an Internet connection

# reduce downtime

# management

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## web services ...work smarter

# enhance your productivity by at least 5%



diagnostics

efficiency

How Web Services works



1: Weighing and grader connected to the Internet and customer subscribes to Web Services

2: Weighing and grading statistics, performance monitoring information generated in your production and sent to the Web Services Server



- Access all the information wherever you are via the WWW
- Integrate the data from Web Services into your own systems via a standard interface
- SMS alarms based on your preferences for statistics and hardware alerts



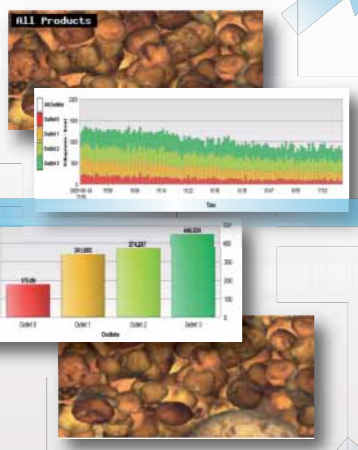
3: Alternatively information can be sent directly to your own IT system via a standardised interface



3a: Customer accesses all the statistics and reports via the webservices.newtec.com website



3b: SMS alarm systems tells you there is something to see



tracking

Traceability

<b>5.1 Grading Information</b> Name (not set) Grader (not set) Field (not set) Harvester (not set)		<b>5.2 Delivery Information</b> Delivered Date (not set) Delivered Company (not set) Receiver (not set)	
<b>5.3 Pre-storage Information</b> Name (not set) Pre-storage Information (not set)		<b>5.5 Grading Information</b> Operator (not set) Grading Start 25 Jun 2009, 18:33 Grading Stop 25 Jun 2009, 19:02 Program Name 3 sizes 1 quality	
<b>5.4 Rejection vs All Photo</b> All Products		<b>5.6 Post-grading Information</b> Post-grading Storage Information (not set) Manual Adjustment Graders (not set) Weighing Information (not set) Packing Information (not set)	
<b>5.7 Order Information</b> Order Number (not set) Order Date (not set) Buyer (not set)		<b>5.8 Shipping Information</b> Shipping Date (not set) Shipping Company (not set) Shipping Information (not set)	

- Web services provides a simple system for managing traceability
- Able to relate orders going out with deliveries (batches) to meet traceability obligations
- Enable quality traceability, ensure the produce was graded correctly
- Online batch quality tracking

Product Utilisation



2009-06-24 7: 2B. Production Report

2B.1 Grading Time Information

2B.2B Outlet Production Volume

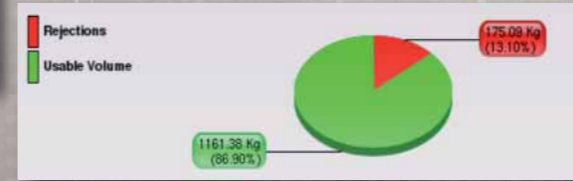
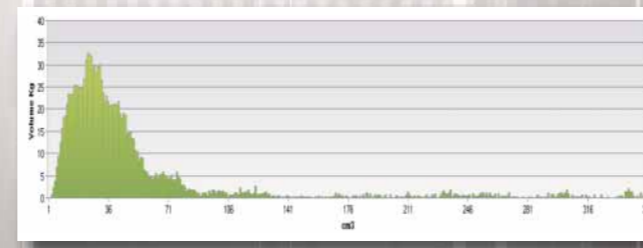
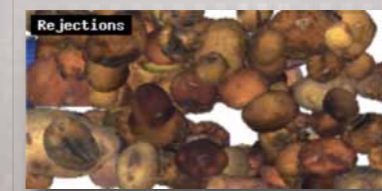
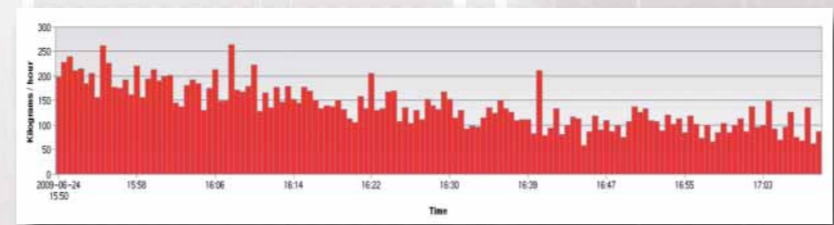
Outlet	Pre Sample Volume	Actual Volume	Difference	Outlet Tubers	Class	Class Volume	Class Tubers
Outlet 0	(not set)	175.09 kg (13.10%)		6 923 (13.61%)	Rejected	175.09 (100.00%)	6923 (100.00%)
Outlet 1	(not set)	341.19 kg (25.32%)		12 242 (24.26%)	Class A	341.1 (100.00%)	12342 (100.00%)
Outlet 2	(not set)	374.25 kg (28.00%)		22 234 (43.90%)	Class A	374.25 (100.00%)	22334 (100.00%)
Outlet 3	(not set)	446.03 kg (33.37%)		9 279 (18.24%)	Class B	446.03 (100.00%)	9279 (100.00%)

2B.3 Outlet Photos

2B.4 Outlet Production Volumes Graph

- Access detailed statistics enables clear visibility of your production, includes clear reports for each outlet, rejections and even real pictures of your production

statistics

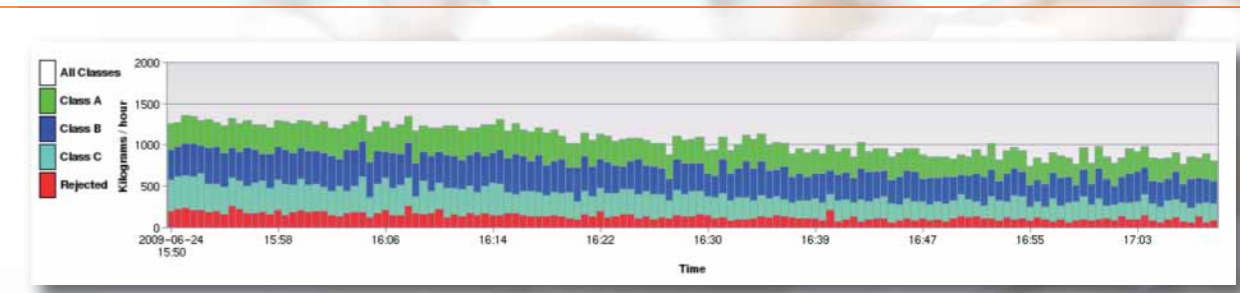


2C.5 Rejections By Quality Filters

Filter	Category	Rejected Volume	Rejected Tubers
Green.Yellow_41 (idx: 0)	Green	9.40 kg (5.37%)	434 (6.27%)
Rot.Yellow_4 (idx: 1)	Rot	164.14 kg (93.75%)	6 468 (93.43%)
Black Spots.Yellow_4 (idx: 2)	Black	38.64 kg (22.07%)	1 481 (21.39%)
Gray Damage.Yellow_4 (idx: 3)	Gray	32.83 kg (18.75%)	1 295 (18.71%)

- Provides a complete breakdown of your production size and quality, provides detailed data on rejections

performance



6.2 Class Settings

Class name	Configured outlet	Activation
Class A	Outlet 2	Active
Class B	Outlet 3	Active
Class C	Outlet 1	Active
Rejected	Outlet 0	Active

6.3 Sizinggrading Settings

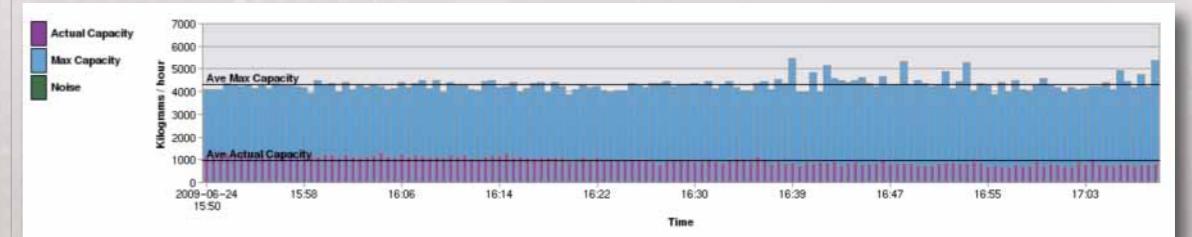
Volume	Class A	Minimum value	Maximum value
		0	30

6.4 Quality Settings

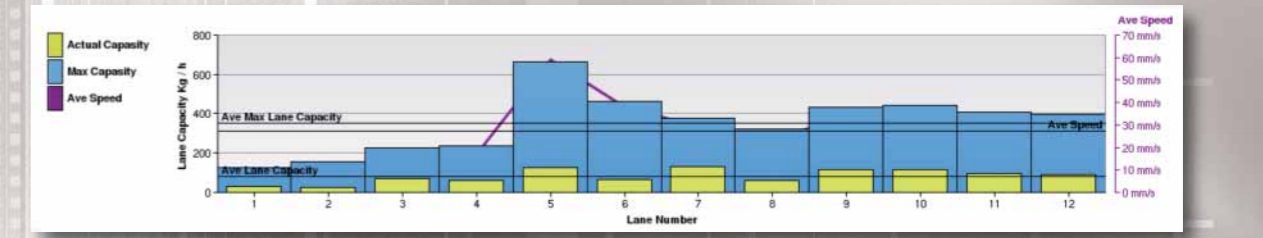
Filter Name	Damage	Threshold	Class	As Percentage	Max Spot	Sum Of Spot
Black spots.yellow_4	Black	0.55	Class A	Not active	3	10
			Class B	Not active	3	10
			Class C	Not active	36	109
Gray damage.yellow_4	Gray	0.55	Class A	Not active	15	45
			Class B	Not active	15	45
			Class C	Not active	137	411
Green.yellow_41	Green	0.65	Class A	Not active	8	25
			Class B	Not active	8	25
			Class C	Not active	36	109
Rot.yellow_4	Rot	0.55	Class A	Not active	12	36
			Class B	Not active	12	36
			Class C	Not active	77	231

- See how the machine is configured for a batch and how it changes during operation to ensure consistency between operators and improved operator training and troubleshooting

Product Optimisation



- Monitor the utilisation of your machine during a batch and over a time period
- Monitor stoppages to your production
- Analyse lost productivity due to stoppages and low utilisation
- Compare lane performance for machine loading and diagnostics



WORK smarter

profitability