

NEWTEC NEWSLETTER

JANUARY 2010



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NEWTEC will be closed in week 8 because of winter break (Monday 22 February 2010 to Friday 26 February 2010 inclusive).

Dear customers and dealers

We have started a new year and with the opening of 2010 a new decade.

Last year has for many been a big challenge. Every year is of course a challenge. In beginning of this year we do see a growing interest in many segments and many enquiries from nearly all countries.

At Newtec we are prepared to deliver good solutions to our customer`s needs to improve business and earnings.

In this issue of Newtec Newsletter you will e.g. find a case story from Canada about handling of carrots, information about the NewTouch interface developed for the new weigher serie 40xx and further information regarding NEWTEC Web Services.

We, at Newtec, look forward to support your business in 2010 and strengthen our cooperation.

Enjoy reading the Newsletter.

Best regards
Henrik Winther Knudsen
CEO / Newtec A/S

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Case: Carrots in Canada

At Janzen Packaging Inc. in Canada carrots up to 12" in length are packed into 1 to 8lb Cello Bags. David Janzen tells: "The customers demand the carrots are vertically in-line and the bag is closed tightly. In 2005/6 we worked diligently with NEWTEC to find a solution.

Successful changes brought in the 2012XBDDG weigher by changing the shape of the weighheads, the PCS, and the addition of the USCB-20 bagger. This machine was sold with decent success for the next 2 years. However, many customers wanted tape closing (not available on the USCB-20) and increased capacity.

Since the first 2012XBDDG weigher with the newly developed PEB40G bagger, we have been so successful that we have sold close to a dozen systems throughout the country! Not only were production speeds increased, but the customer now has the choice of running tape or Kwik Lok closers. It should also be mentioned that the system is easily adjustable to run shorter carrots and other products such as Beets and Parsnips. The quality level of the machines has been incredible. We have had minimal service calls and very few parts have needed replacing. Many of these machines have been running steadily on 3 shifts for almost 10 months now and haven't missed a beat!

To exemplify the confidence the customers have in NEWTEC/Janzen, in the Province of Quebec we are going to install the first CELOX for Carrots in April".

(David Janzen -Janzen Packaging Inc. Canada)

The quality level of the machines has been incredible.

(David Janzen -Janzen Packaging Inc.)





4009B2 – NewTouch Interface

The NEWTEC NewTouch interface redefines the user experience of the new generation of NEWTEC weighing machines, the 4000 series. Combining the functionality with the aesthetically pleasing, the NewTouch interface provides an intuitive way of controlling the machine. Being the result of a completely new platform, the NewTouch offers exhaustive functionality with regard to on-screen information/statistics, machine parameter control and machine testing.

Some of the main features are:

- 10" wide, high resolution touchscreen
- Increased on-screen information without cluttering
- Intuitive icons to help navigation
- On-screen parameter specific help
- Multiple access points to often changed parameters
- Supports recipe and configuration saving/restoring using USB pens
- Multiple languages supported

Beneath is an illustration of the user interface of the NewTouch



Main screen, running 1000g portions. Important runtime information like speed, last portion and average overweight is shown.

NewTouch user interface

The settings page showing user changeable parameters.

P01	Set Weight	2500g
W01	Weigh pan empty time	0.30s
W02	Collecting pan empty time	0.30s
W03	Collecting pan fill time	1.50s
W14	Tare, portions	500
W16	Check emptying (slow)	No check
W17	Infeed vibrator product amount	70
W30	Channel vibration	100%

System

OK

STOP START

Test Parts Configuration

Weigh cells Input/Output

Empty Information

Calibration Error log

Calibration data Time

192.168.0.89

OK

STOP START

The system page that gives access to all vital parts of the machine interface, USB usage (firmware updating, recipe saving etc.) and network control.

The I/O panel giving a detailed overview of the machines hardware configuration.

NEWTEC Rack

- 1: ADC188
 - Top Pan 1
 - Weigh Pan 1
 - Synchronization (1-2 @ X10)
 - Vibrating channel 1
 - Infeed Vibrator
 - Synchronization (3-4 @ X10)
- 2: ADC188
 - Top Pan 2
 - Weigh Pan 2

I/O name surrounded by [[]] means the I/O is on, else it's off.

OK

STOP START

Choose part: Vibrating channels

Choose I/O or test function:

Vibrating channels : Vibrate some

1 2 3 4 5 6 7 8 9

OK

STOP START

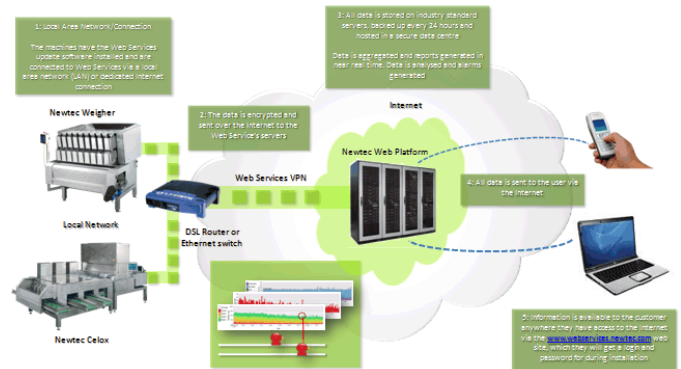
Testing the vibrating channels 2 and 6 on a 9 head weigher. Almost all parts of the machine can be tested individually, but also in conjunction with each other.

NEWTEC Web Services

Web Services is a new modular system of Internet based reports and tools, initially two modules are available; Statistics and Remote Diagnostics, further modules are under development and the Grower Management module will be released within the first quarter of 2010.

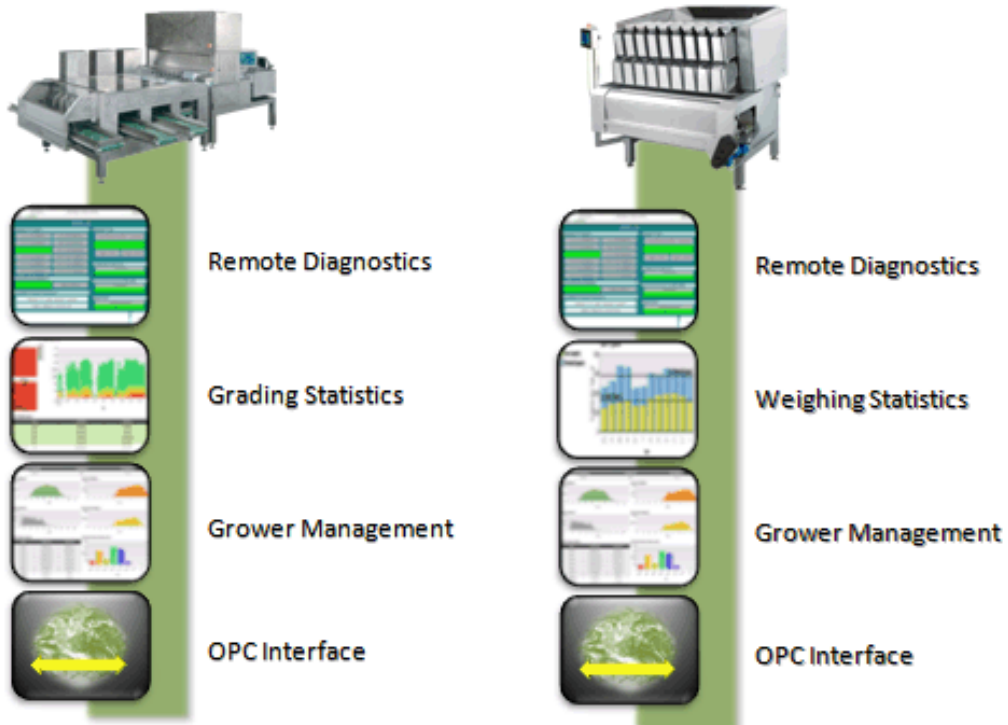
All Web Services Modules are accessible via the Web Services Web Site. All end users and dealers will be able to access this site and see machines and data relevant to them.

Newtec Web Services is ready to enhance our Celox grading machines now and our next generation 4000 series weighers from May 2010.



www.webservices.newtec.com

Overview of Web Services

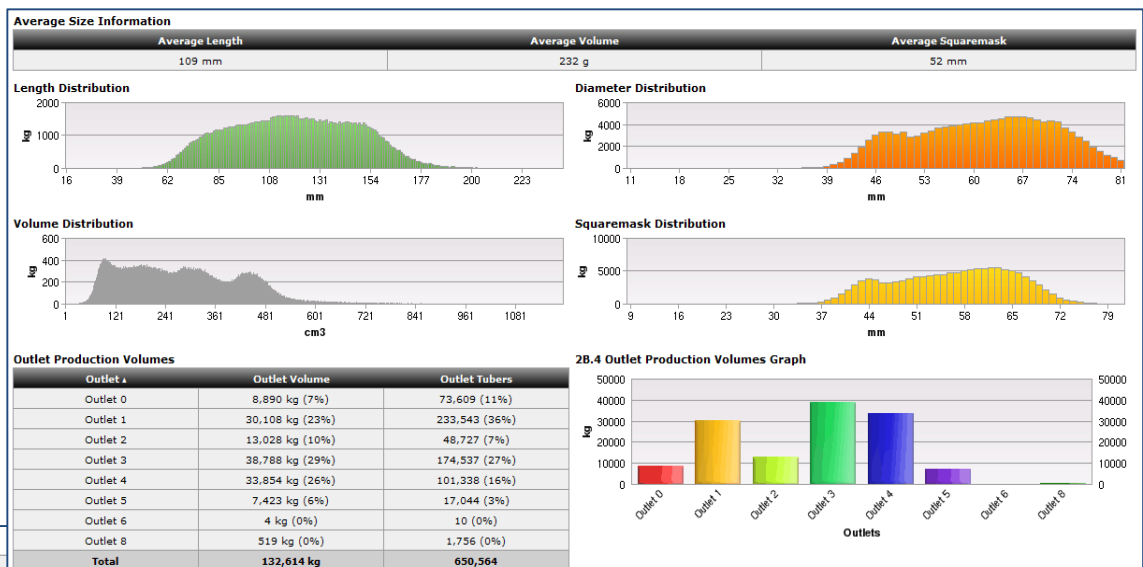


Web Services Statistics

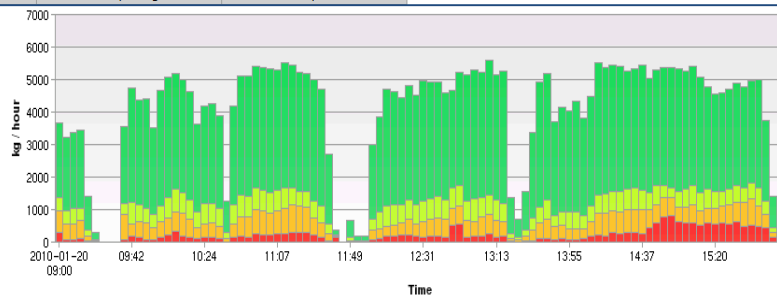
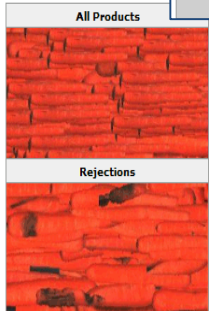
Web Services Statistics is the module that captures all production information from each machine, stores it and produces batch reports; all other current or planned for Web Services will require this module for each machine.

Web Services Statistics Functions

- Collects statistics from the machines and stores in the Web Services database (data is secure and backed up every 24 hours)
- Provides batch/lot capability for the machine (enables traceability) pre-sample data capture
- Provides full visibility of the current production for the customer (production, configuration, rejections, utilisation and batch summary reports)
- Production alarm system; set the production event, email, SMS or log useful events



7a.1.2 Production Photos



7a.1.1 Production Summary

Outlet	Graded Volume	Graded Tubers
Outlet 0	1,494 kg (6%)	16,505 (4%)
Outlet 1	2,978 kg (11%)	16,075 (4%)
Outlet 2	3,055 kg (11%)	117,056 (29%)
Outlet 3	19,118 kg (72%)	
Total	26,646 kg (100%)	

Grading Alarms

Add New Event: Utilisation (Default settings: Log)

Machine	Option	Event	Value	Duration	Action	Contact
Celox307	Utilisation Below	Choose	50 %	15 min	Sms	robin

Machine is Turned Off

Events List

Machine	Option	Event	Trigger Value	Actual Value	Duration	Send To	Delete
CeloxDev12	Utilisation 0%	Any	0 %	Off	2 min	Anna Kleszcz	✖
CeloxDev12	Utilisation Beneath	None	20 %	Off	3 min		✖

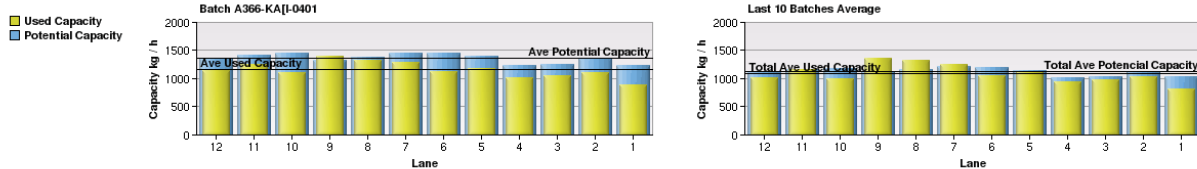
Web Service Remote Diagnostics

Remote diagnostics will be available for all Internet enabled machines; this includes all new Celox graders and 4xxx series weighers from May this year. Current grading machines can also be upgraded to this service. Exploration is underway on providing this to older series weighers (contact Newtec for more information)

Web Services Remote Diagnostics Functions

- Remote monitoring of machine performance, view individual lane/weigh-head performance
- Remote access to key configuration/calibration screens from the machine
- Hardware alarms

3.5 Lane Utilisation Graph



3.6 Lane Utilisation Information

Lane	Potential Capacity	Used Capacity	Speed	Length	Squaremask	Volume	Time Between Product	Product Spacing
12	1,114 kg/h	1,022 kg/h	303 mm/s	110 mm	53 mm	239,73 g	946 ms	269 mm
11	1,166 kg/h	1,165 kg/h	309 mm/s	110 mm	54 mm	244,11 g	764 ms	195 mm
10	1,187 kg/h	1,008 kg/h	322 mm/s	110 mm	54 mm	238,57 g	829 ms	222 mm
9	1,119 kg/h	1,357 kg/h	298 mm/s	110 mm	53 mm	233,98 g	677 ms	160 mm
8	1,172 kg/h	1,324 kg/h	311 mm/s	110 mm	52 mm	234,34 g	692 ms	167 mm
7	1,214 kg/h	1,249 kg/h	319 mm/s	111 mm	54 mm	241,83 g	696 ms	167 mm
6	1,202 kg/h	1,051 kg/h	328 mm/s	111 mm	53 mm	236,56 g	750 ms	189 mm
5	1,152 kg/h	1,121 kg/h	324 mm/s	109 mm	52 mm	225,64 g	749 ms	190 mm
4	1,025 kg/h	954 kg/h	295 mm/s	107 mm	51 mm	217,91 g	803 ms	214 mm
3	1,039 kg/h	983 kg/h	293 mm/s	108 mm	52 mm	224,95 g	831 ms	224 mm
2	1,122 kg/h	1,043 kg/h	315 mm/s	108 mm	53 mm	225,91 g	908 ms	255 mm
1	1,033 kg/h	812 kg/h	305 mm/s	105 mm	52 mm	211,59 g	1,106 ms	338 mm
Average	1,365 kg/h	1,160 kg/h	310 mm/s	109 mm	53 mm	231,26 g	813 ms	216 mm

Celox Interface Control
 Batch: A378-KASM-4342 Machine: Celox A378 Status: **Not Running**

Calibrate Spiniflex Actuator Timings

General
 From Lane to Photocell: 750 ms
 Variation: 175 ms
 Extra fingers: 2
 Signal-filtering: 3

Activation Distance
 Encoder: 10 Ticks

Test Outlet 0: 70 Ticks
 Test Outlet 1: 380 Ticks
 Test Outlet 2: 690 Ticks
 Test Outlet 3: 1000 Ticks

Long Stretches: Pathmate location of object
 Velocity Correction: a=830 b=375000
 Infeed piece separator calib: 50 mm
 Auto infeed: Overrun avoidance Alternate conveyor

Default Close

Interface Control
 378-KASM-4342 Machine: Celox A378 Status: **Not Running**

Machine Type

Number of Outlets: 1 (2 outlets), 1 (3 outlets), 1 (4 outlets), 1 (7 outlets), 1 (6 outlets), 1 (7 outlets)

Machine Type: One infeed section - (potatoes), Two infeed sections - (carrot), Hybr. (CV), Hybr. (DVC)

Fragments Remover: Present, Not present

Cross conveyor verification: Enabled, Disabled

Loadable Tracker Analyzers: hitachi_f31_rgb_bluerollers_rgb_4.otm, othist_default_potatoes.oth

Photocells: Split & Resync, Double Backups

Close