

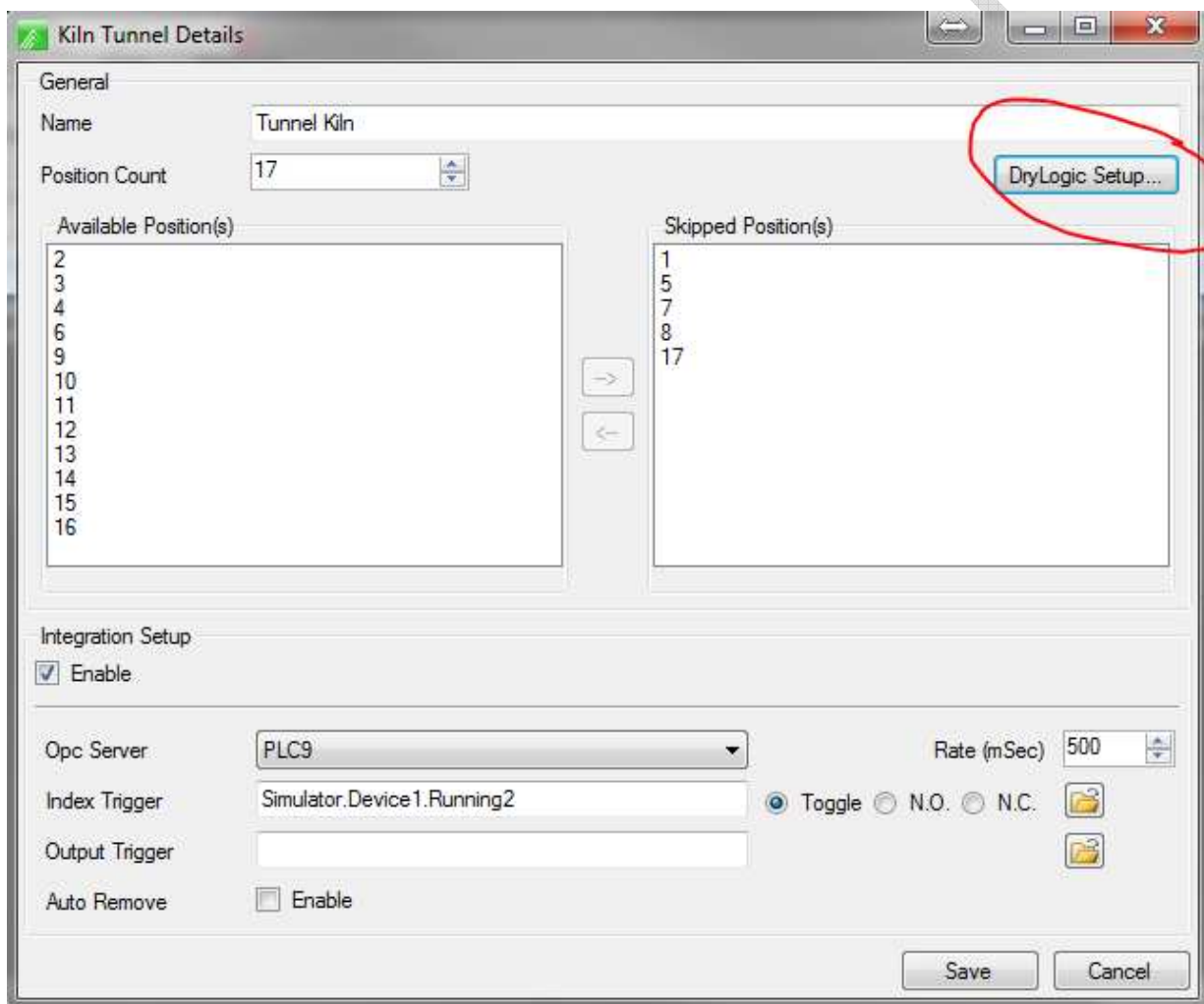


Prior to using KilnScout as a control system to dry lumber, it will need to be configured using the following steps.

Step 1 – Edit DryLogic

Go to the edit kiln screen and press the ‘DryLogic Setup...’ button.

Figure 1 - Setup --> Kilns --> Edit





Step 2 - Configure DryLogic

Add the carts to monitor during the drying process then set the cart parameters. The parameter definitions are:

<u>Parameter</u>	<u>Definition</u>
Enable	Check this box to include monitoring the cart position. Once all the carts report complete an email can be sent.
Min (min)	Minimum time in minutes the cart must be at this position before reporting the complete. Use this to guard against potentially bad data from the sensor.
Max (min)	Maximum time in minutes before a signal complete is triggered. Use this in case there is no sensor in the cart position.
Target MC%	The cart's MC must be less than or equal to the target before the deadband timer starts (see Deadband for definition).
Deadband (min)	The amount of time the cart must meet the Target MC% criteria before triggering a cart complete signal.

Figure 2 - Setup --> Kilns --> Edit --> DryLogic Setup...

The screenshot shows the 'DryLogic Setup' dialog box with two sections for 'Cart 3' and 'Cart 9'. Each section includes an 'Enable' checkbox, 'Duration Settings' (Min and Max in minutes), and 'MC% Target Settings' (Target MC% and Deadband in minutes). A 'Remove' button is present for each cart. At the bottom, there are 'Add' and 'Close' buttons.

Cart	Enable	Min (min)	Max (min)	Target MC%	Deadband (min)
Cart 3	<input checked="" type="checkbox"/>	0.1	30.0	10.0	0.1
Cart 9	<input checked="" type="checkbox"/>	0.1	1.0	15.0	0.1



Step 3 – Setup Email Server

To send an email upon completion of all carts, the server must be enabled and configured. Contact your network administrator to determine the parameters necessary to authenticate and send email. Note: there is a test email button to confirm the settings are correct.

Figure 3 - Setup --> Email Server

Email Configuration

Enable

Email: kilnscout@ks.com

Server: scsfpserver.scsfp.local

Port: 25

Use SSL

Authentication

Current

Custom

Domain: []

Username: []

Password: []

Message

Recipient: sschneider@scsfp.com

Subject: Move Cart

Message: KilnScout reports drying is complete.

Send Test Email

Save Cancel



Step 4 - View DryLogic Status

After completing the setup, there is a new tab allowing the user to view the status of the Drying logic. The screen shows each cart's drying parameters, current values, and if any stage of the drying process is complete. After all carts have completed AND if the email server is enabled, a notification email will be sent.

Figure 4 - DryLogic Tab

The screenshot shows the Kiln Scout software interface. The 'Dry Logic' tab is selected and highlighted with a red circle. The interface displays drying parameters for two carts, Cart 3 and Cart 9. The parameters include Target, Actual, and Status columns. The Status column shows green checkmarks for most parameters, indicating completion, and a yellow warning icon for the Maximum Time parameter of Cart 9.

Cart	Parameter	Target	Actual	Status
Cart 3	MC%	10.00	0.00	✓
	Deadband Time (hh:mm:ss)	00:00:06	0:00:00	✓
	Minimum Time (hh:mm:ss)	00:00:06		✓
	Maximum Time (hh:mm:ss)	00:30:00		✓
	Elapsed Time (hh:mm:ss)		0:04:26	
Cart 9	MC%	15.00	0.00	✓
	Deadband Time (hh:mm:ss)	00:00:06	0:00:00	✓
	Minimum Time (hh:mm:ss)	00:00:06		✓
	Maximum Time (hh:mm:ss)	00:01:00		⚠
	Elapsed Time (hh:mm:ss)		0:00:00	