

Okuma OSP Alarm Notifier



Okuma OSP Alarm Notifier

Preface

Thank you for downloading Okuma OSP Alarm Notifier. This application enables you to receive Okuma machine tool alarm messages via email along with a screen shot of the current state of the CNC controller. This application is one of many examples that showcase the power of the open architecture THINC CNC controller. To learn more about Okuma and the THINC CNC controller please visit Okuma's web site at www.okuma.com. Please take the time to read this document in full and in addition to this take the time to read and understand the Okuma machine manuals.

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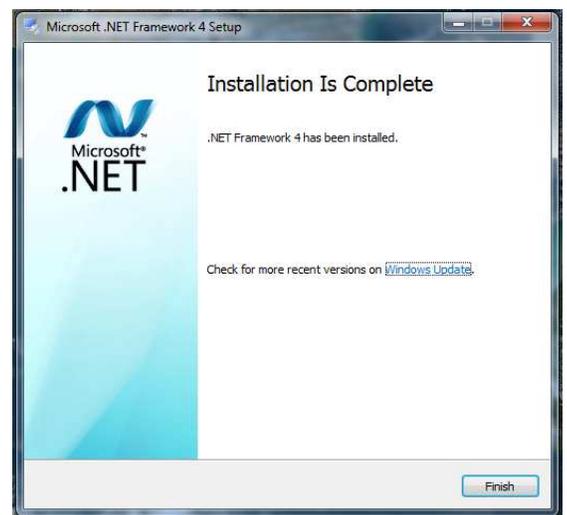
1 System requirements

1.1 Machine tool system requirements

Okuma OSP controller	P200L,P200LA,P200M,P200MA,P300L,P300S,P300M
Windows software requirements	Windows XP Service Pack 3, Windows 7 Service pack 1
THINC API minimum version	THINC API 1.15.0.0 and THINC Startup Service
.NET framework	.NET 4.0
Google GMAIL account	A valid GMAIL (Google Mail) account must be setup You can register a GMAIL account at https://mail.google.com/
Internet connection	A working high speed internet connection is required

1.2 How to update .NET framework

Upon running Alarm Notifier setup executable if the system software does not meet the .NET framework requirements the application will prompt you for permission to install .NET framework 4.0. Simply click on the checkbox for reading the and accepting the terms and license and click install.



Once the installation is complete you will be required to reboot the machine

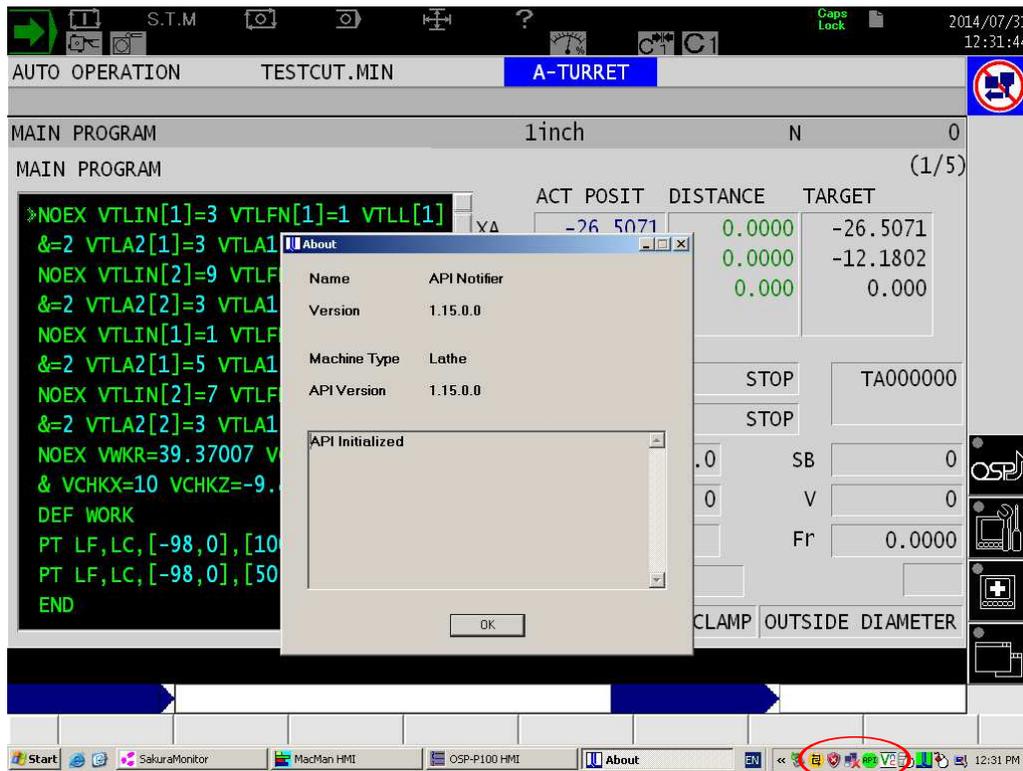
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1 System requirements continued

1.3 How to update THINC API

First you will need to identify the current version of THINC API installed on the machine. You can do this by opening the taskbar on the machine's controller by holding the control

key (located on the control panel keyboard) down and then press the cancel key 



Once the task bar is opened click on the small API icon  and this will open the API notifier that will show the version. Should the API require an update please contact your local Okuma distributor to order the latest version

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1 System requirements continued

1.4 Installing the THINC startup service

The THINC startup service is a utility that comes with your Okuma API disc. The THINC startup service will automatically launch THINC API dependent applications only if the THINC API is initialized. For information on how to install and use the THINC startup service please read the THINC startup service manual (Okuma publication M911-08-0213-01) located on the THINC API disc.

1.5 Gmail (Google Mail)

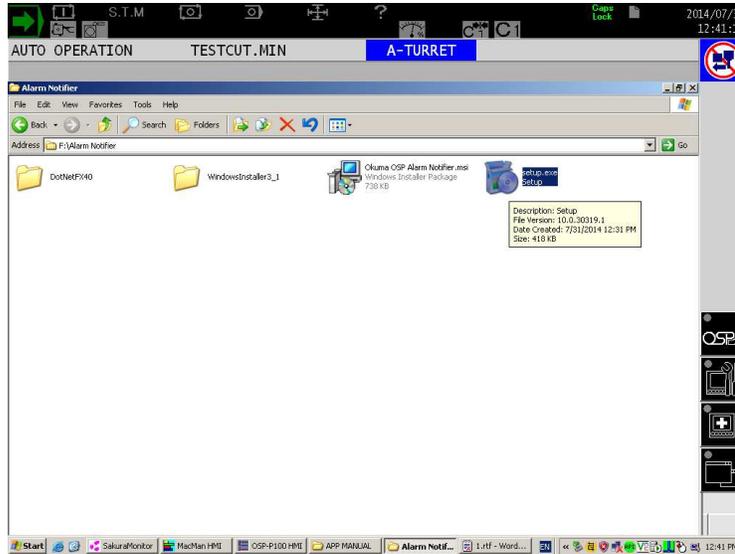
This application requires the use of a valid GMAIL (Google Mail) account. To register a free GMAIL account go to your preferred web browser and type GMAIL in the search or you can navigate directly to the GMAIL site using this address <https://mail.google.com/>

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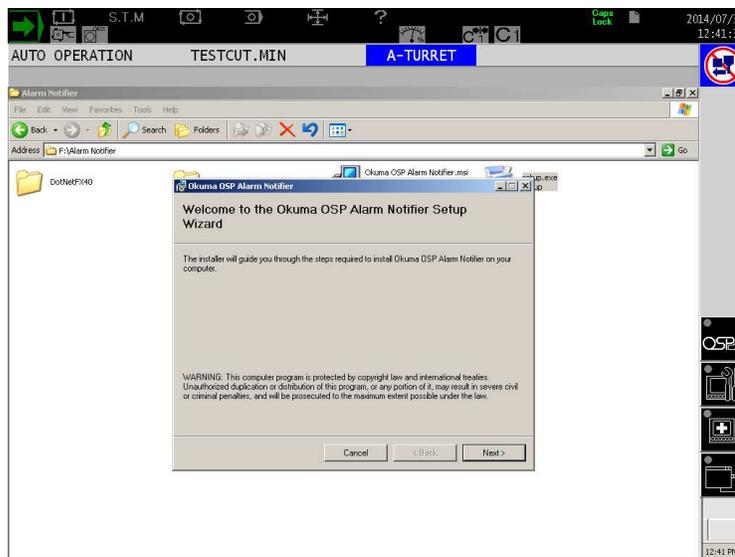
2 Installing the application continued

2.1 Running the setup file

Locate the setup.exe file for the Okuma OSP Alarm Notifier and double click on the application to run it.



After executing the setup application proceed through the setup prompts to install the application.

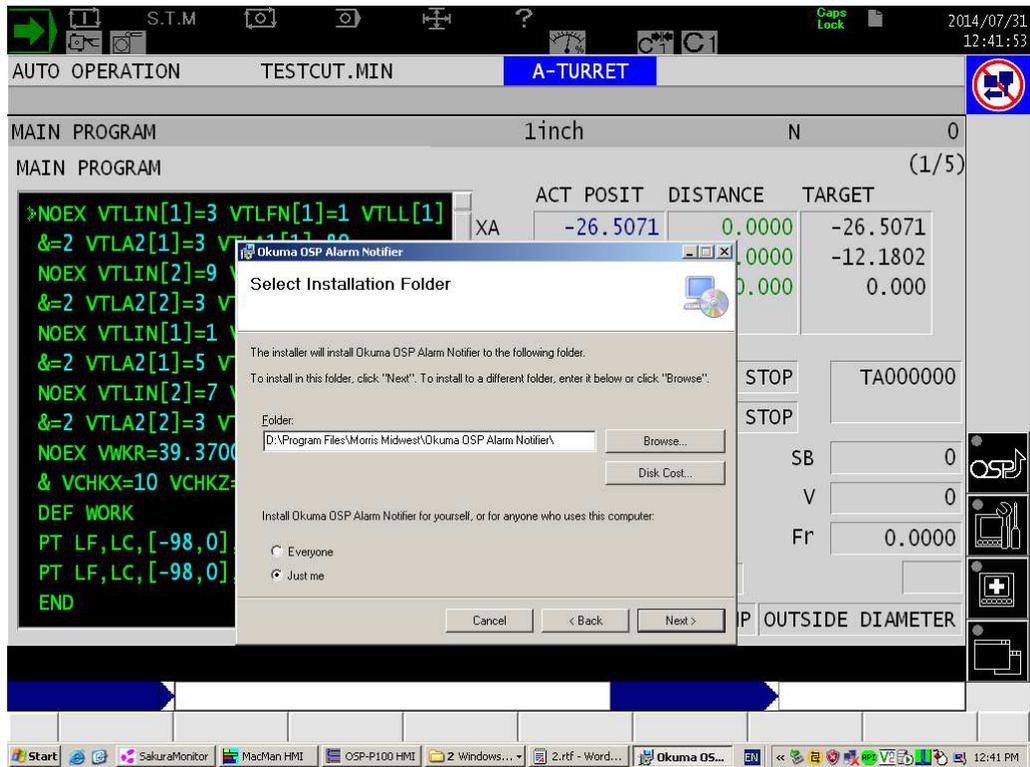


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2 Installing the application continued

2.2 Where the application is stored

During the installation of the application the installer will prompt you of the default installation directory. At this point you may choose a different directory or proceed with the default which is D:\Morris Midwest\Okuma OSP Alarm Notifier



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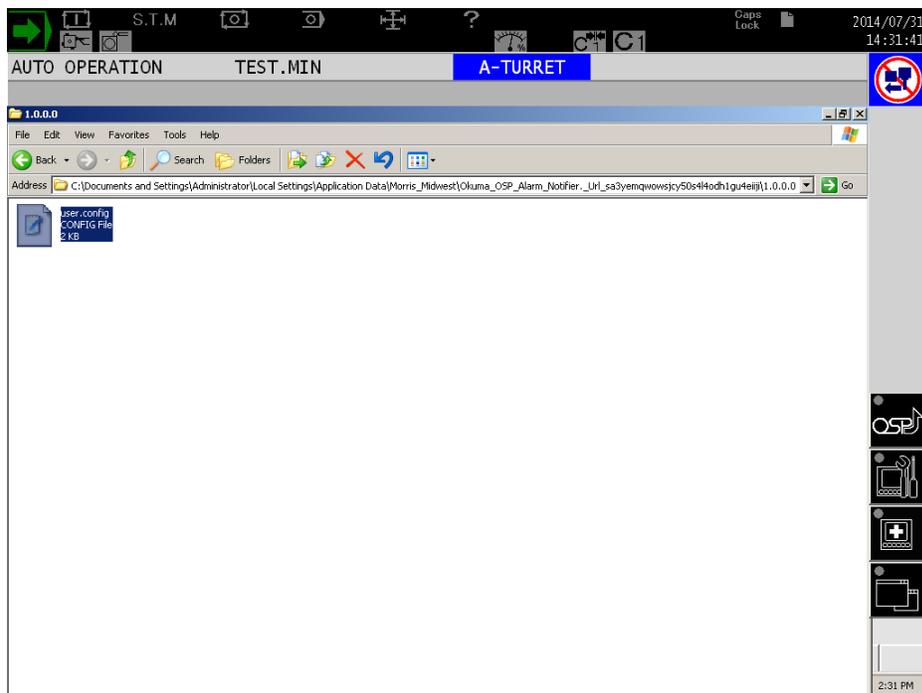
2 Installing the application continued

2.2 Where the application settings are stored

The settings of the application are stored

Windows XP : C:\Documents and Settings\Local Settings\Application Data\
Morris_Midwest\Okuma_OSP_Alarm_Notifier

Windows 7: C:\Users\(\Username)\AppData\Local\Morris_Midwest



The user config file is XML format and can be opened with a text editor such as WordPad or notepad; however modifications of the user config file is not necessary

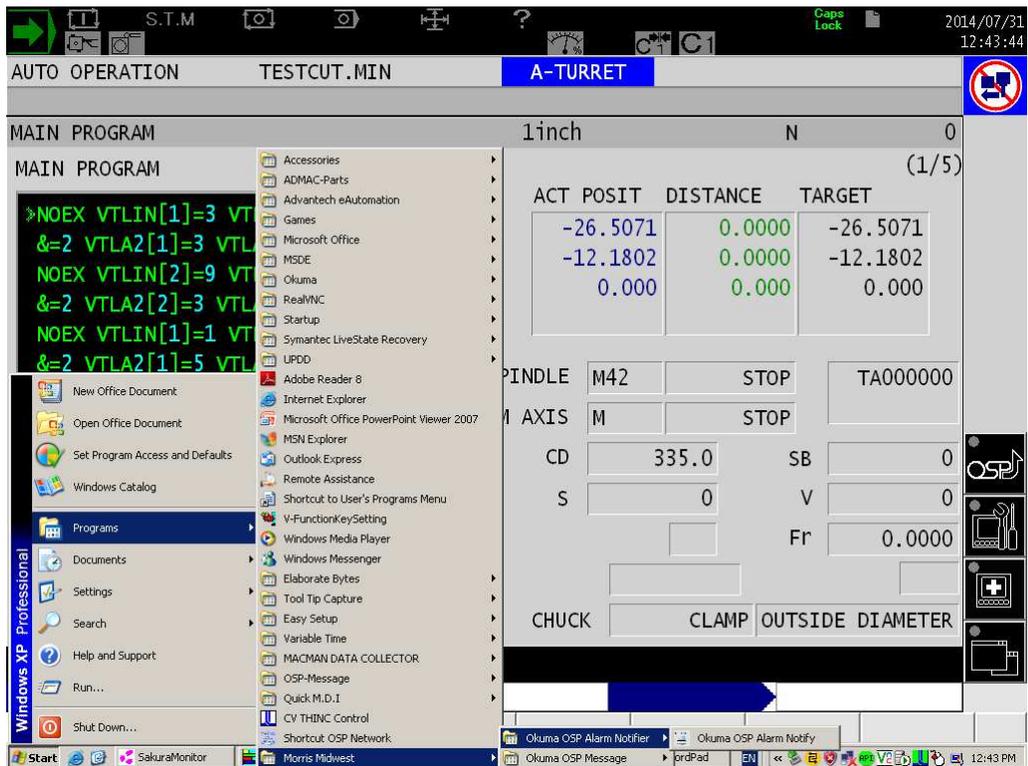
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3 Using the application

3.1 Starting the application

To start the application navigate to the start menu and programs\Morris Midwest\ Okuma OSP Alarm Notifier and click on the icon to run the application.

Note: A shortcut is also created on the desktop

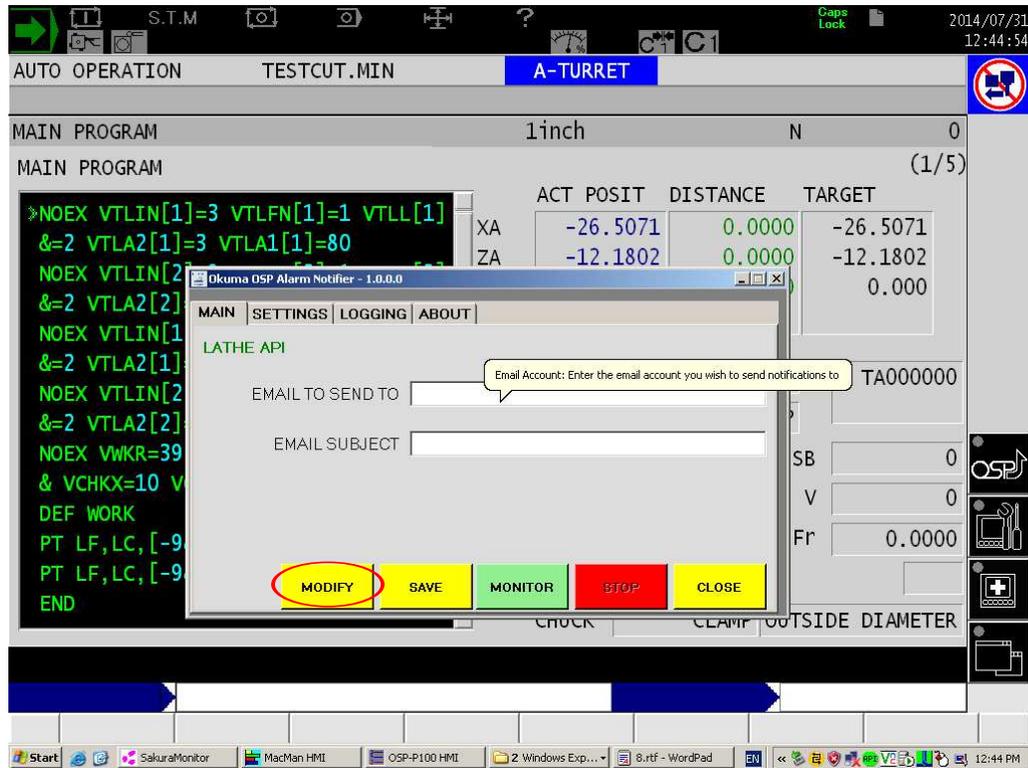


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3 Using the application continued

3.2 Setting up the application

Once the application is open the screen should show like below.



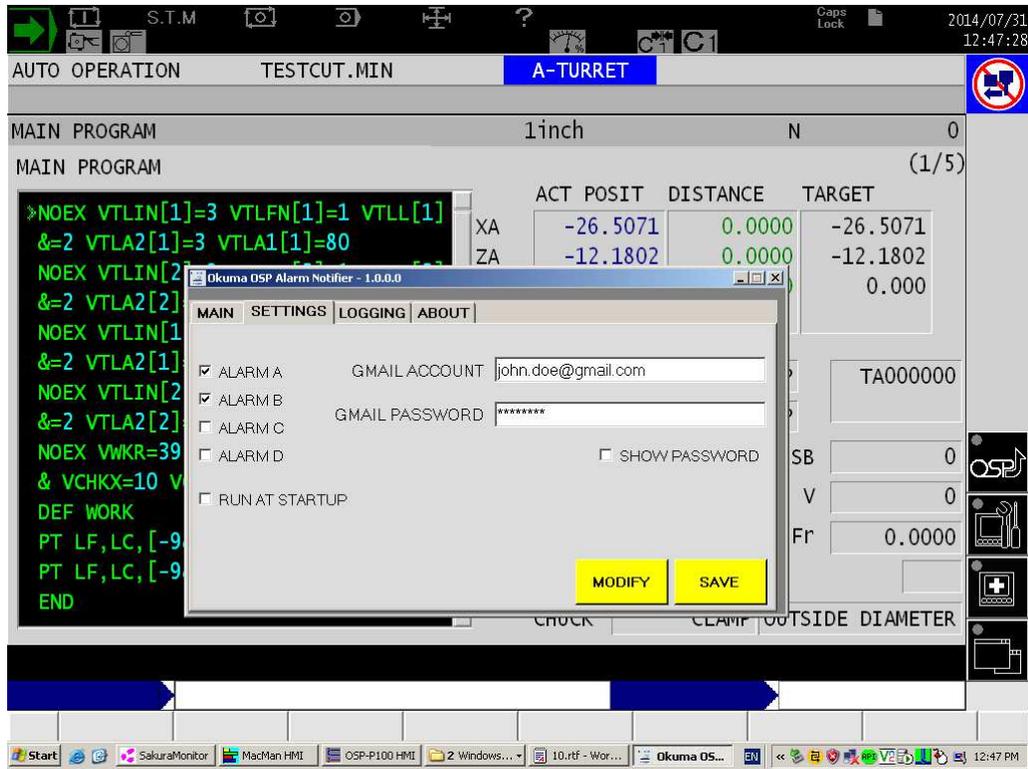
Click on the modify button to unlock the textbox fields

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3 Using the application continued

3.2 Setting up the application continued

Next click on the settings tab and fill out your GMAIL account info. This will be the account the application uses to send emails from.



Next check box which alarm class levels you wish to receive emails on and if you want the application to start monitoring at the startup of the application you can check the “run at startup” box

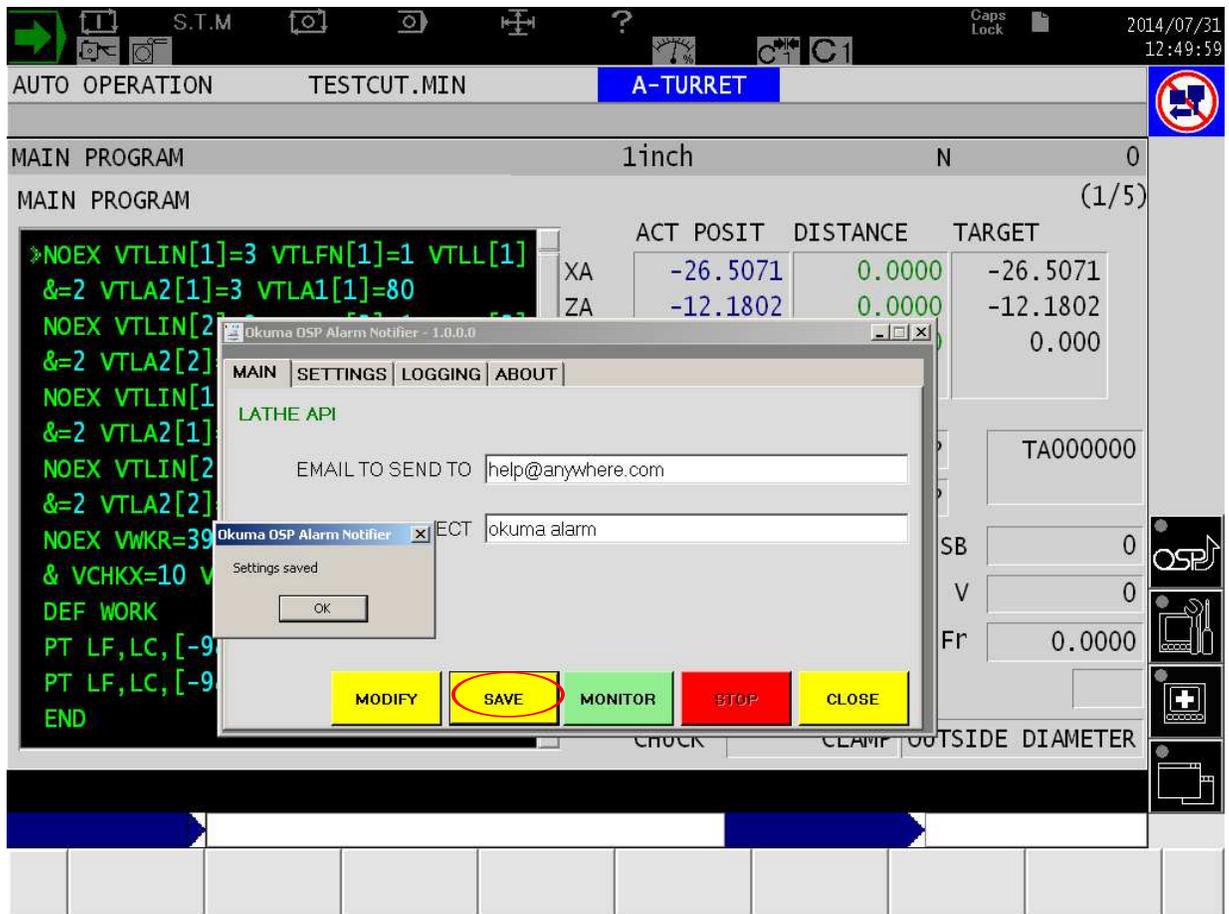
Note: If you want the application to auto start at machine startup please refer to the THINC startup service manual for details

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3 Using the application continued

3.2 Setting up the application continued

Next click on the main tab and fill out the email account you wish the notification to be sent to along with the subject



The screenshot displays the Okuma OSP Alarm Notifier application overlaid on a CNC control interface. The application window has a title bar 'Okuma OSP Alarm Notifier - 1.0.0.0' and a menu bar with 'MAIN', 'SETTINGS', 'LOGGING', and 'ABOUT'. The 'SETTINGS' tab is selected, showing a 'LATHE API' section with two input fields: 'EMAIL TO SEND TO' containing 'help@anywhere.com' and 'SUBJECT' containing 'okuma alarm'. Below these fields are five buttons: 'MODIFY' (yellow), 'SAVE' (yellow with a red circle around it), 'MONITOR' (green), 'STOP' (red), and 'CLOSE' (yellow). A smaller 'Settings saved' dialog box with an 'OK' button is also present. The background CNC screen shows a table of axis positions:

	ACT POSIT	DISTANCE	TARGET
XA	-26.5071	0.0000	-26.5071
ZA	-12.1802	0.0000	-12.1802
			0.000

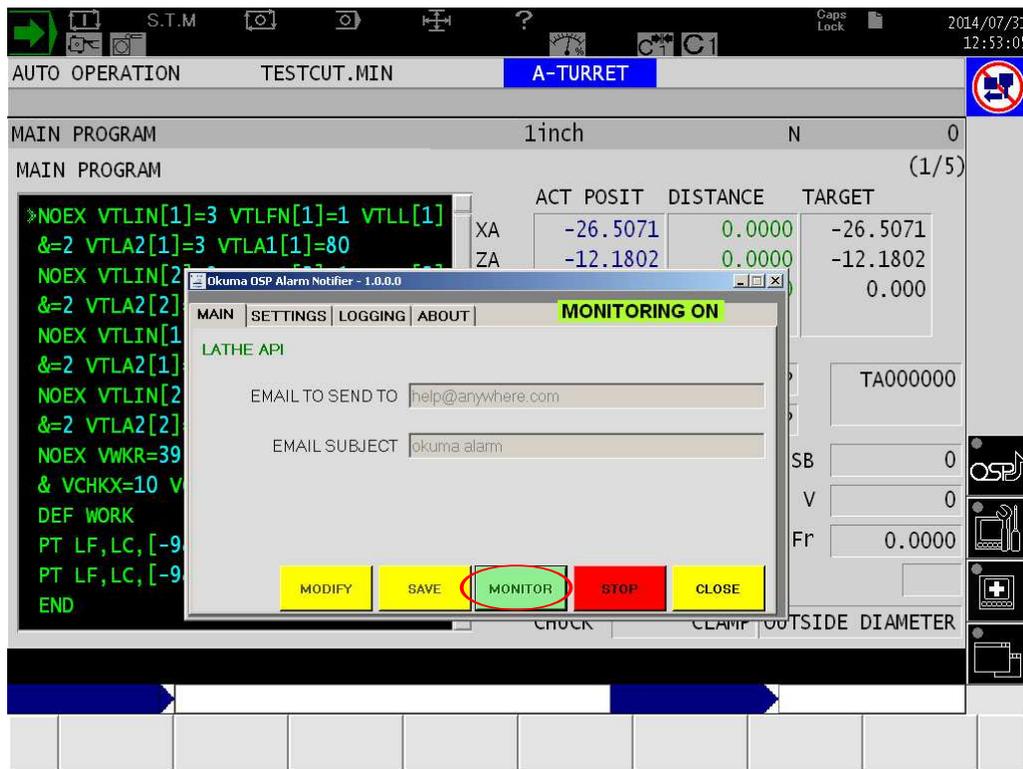
After the information is complete click on the save button and a message box will appear stating that the settings have been saved.

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3 Using the application continued

3.3 Running the application in monitor mode

After all the settings are complete we can now place the application in monitor mode by clicking on the monitor button. This will minimize the application to the task bar. You can still display the application by navigating to the task bar and clicking on the application



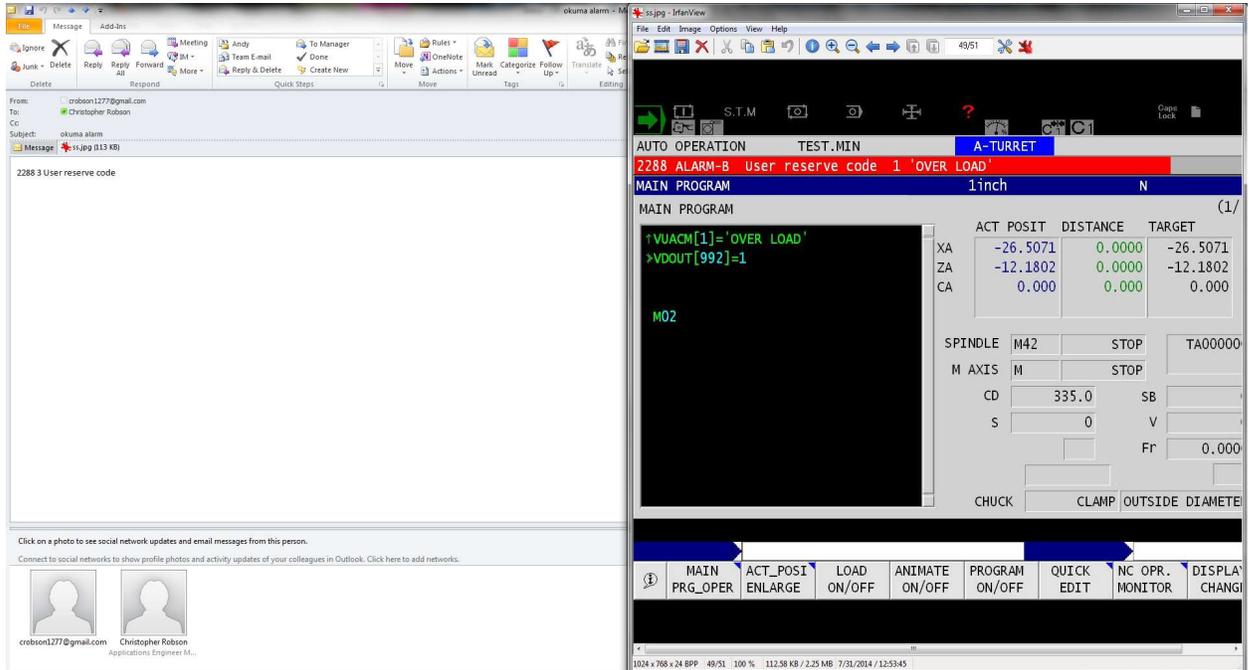
During monitoring if the application encounters a machine alarm that you wish to receive an email about the application will capture the current screen and send you an email with the screenshot attached as an attachment.

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3 Using the application continued

3.3 Running the application in monitor mode continued

Below is an example of an email notification received from the application

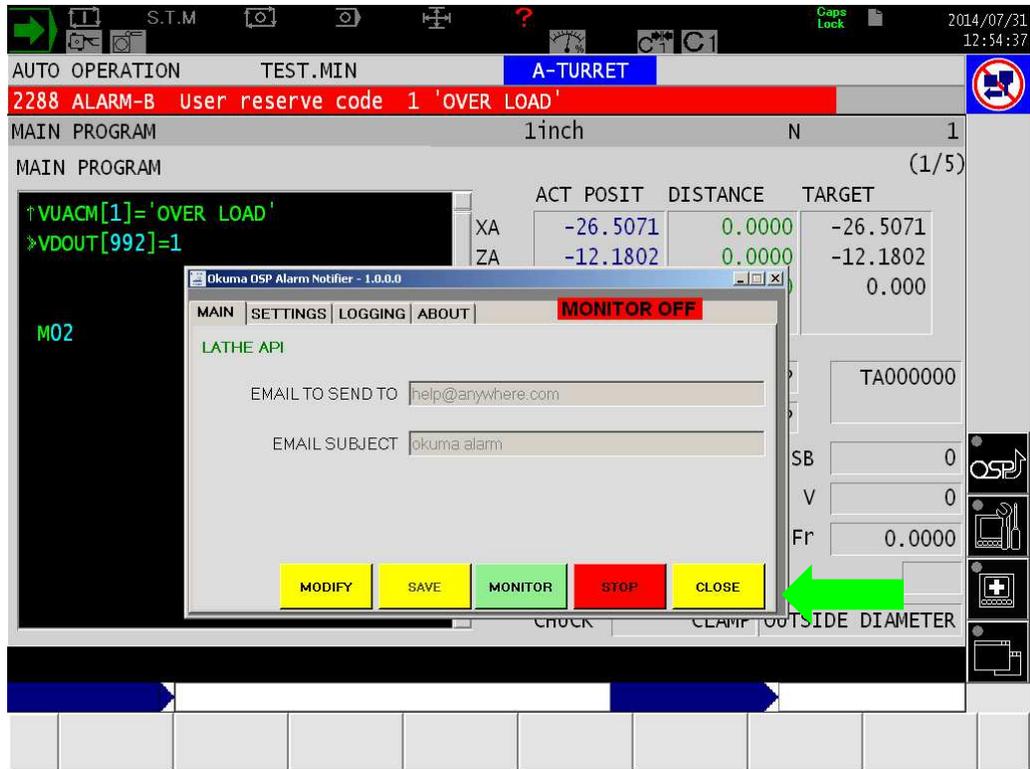


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3 Using the application continued

3.4 Stopping and closing the application

To stop the application monitoring simply click on the stop button or to close the application simply click on the close button



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3 Using the application continued

3.5 Errors and logging

All application errors and events are tracked and logged. You can view the running log by simply clicking on the log tab. You can also view the history of logs by navigating to the application's root directory and clicking on the log error.txt file

