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# **Okuma America Corporation**

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## **THINC-API Release Notes for Grinder**

**Document No.: S5015-064-05**

THINC-API	Version: S5015-064-05
Release Notes For Grinder	Date: 01/17/2020

## Revision History

Date	Version	Description	Author
09/26/2016	S5015-064-00	Public release for Grinder THINC-API version 1.0.0.0	LHuynh
08/21/2017	S5015-064-02	Public release for THINC-API version 1.20.0.0	LHuynh
06/20/2018	S5015-064-03	Public release for THINC-API version 1.21.1.0	LHuynh
01/09/2019	S5015-064-04	Public release for THINC-API version 1.22.0.0	LHuynh
01/17/2020	S5015-064-05	Public release for THINC-API version 1.23.0.0	LHuynh

THINC-API	Version: S5015-064-05
Release Notes For Grinder	Date: 01/17/2020

## Table of Contents

1.	Introduction	4
1.1	Disclaimer of Warranty	4
1.2	Purpose	4
1.3	Scope	4
1.4	Definitions, Acronyms, and Abbreviations	4
1.5	References	4
2.	About This Release	4
3.	Features	5
3.1	Command API	5
3.1.1	CMachine Class	5
3.1.2	CViews class	6
3.2	DATA-API	6
3.2.1	CUserManagement class	6
4.	Known Bugs and Limitations	6
4.1	Defect	6
4.1.1	API Notifier Status/Service	6

THINC-API	Version: S5015-064-05
Release Notes For Grinder	Date: 01/17/2020

# Release Notes for Grinder

## 1. Introduction

### 1.1 Disclaimer of Warranty

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### 1.2 Purpose

The purpose of the **Release Notes** document is to communicate major new features and changes in this release of the THINC-API for Grinder libraries. It also documents known problems and workarounds.

### 1.3 Scope

This document describes Public Release 1.23.0.0 of THINC-API

### 1.4 Definitions, Acronyms, and Abbreviations

GAC – Global Assembly Cache Windows folder

### 1.5 References

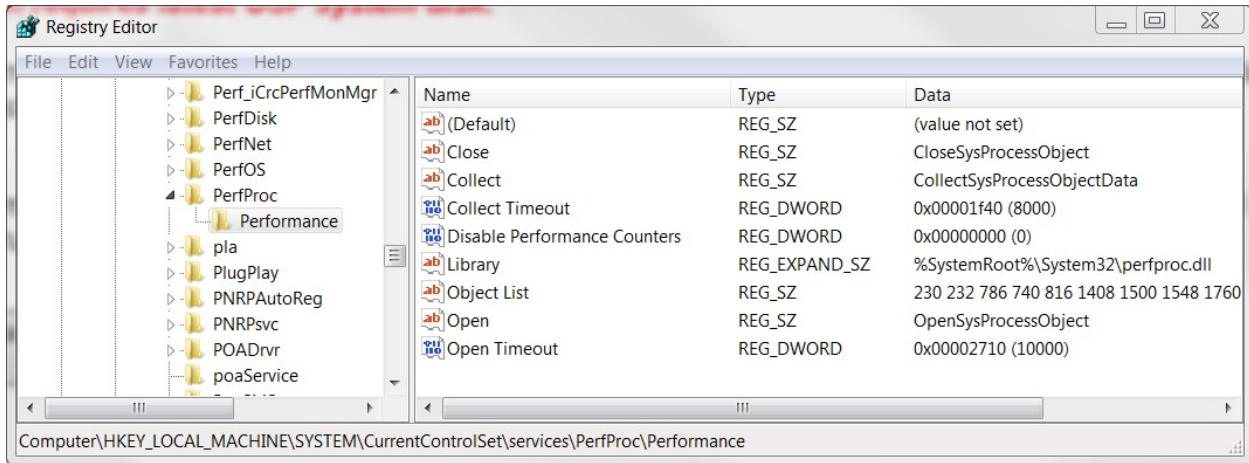
None.

## 2. About This Release

Public Release of the THINC-API library for Grinder supports the following:

From this release and forward, THINC API libraries will check dependency libraries during installation. THINC API will fail to install if version of dependency OCJ libraries cannot support current version of THINC API.

From this release and forward, API Notifier will delay the checking of API for an approximately of 1 minutes or so after NC is running. API Notifier service does use Windows Performance Counters service. As a result, API Notifier will not run correctly if Windows Performance Counters service is not enable. During the installation of THINC-API, Windows Performance Counters will be reset to 0 in the Windows system registry as shown below:



Libraries included in this release for Grinder are compiled with .NET Framework 4.0:

Version of Okuma.CGDATAPI.dll in this release is 1.3.0.0

Version of Okuma.CGCMDDAPI.dll in this release is 1.2.0.0

Version of APINotifierService.exe in this release is 1.23.0.0

Version of APINotifierStatus.exe in this release is 1.3.0.0

Version of Okuma.Flexnet.Net4.dll in this release is 1.0.0.0

Version of Okuma.ApiLog2.dll in this release is 1.2.0.0

This release requires OCJ custom API version 002 on target machine. THINC-API will verify the existing of OCJ custom API version before performing the installation.

The PLC system package listed in the table per control type is also required.

OSP	PLCS package
P300	PLCS300A or higher

### 3. Features

Please refer the help document for more information of new/update functions.

#### 3.1 Command API

##### 3.1.1 CMachine Class

Name	Description
<a href="#">ClearUserAlarmD</a>	Clear user alarm D
<a href="#">SetUserAlarm</a>	Sets user alarm  Alarm Message displayed on NC-HMI will have the following format:  FOR ALARM D: 4127 ALARM-D THiNC Alarm + strAlarmMessage

THINC-API	Version: S5015-064-05
Release Notes For Grinder	Date: 01/17/2020

	FOR ALARM C: 3127 ALARM-C THiNC Alarm + strAlarmMessage  FOR ALARM B: 2127 ALARM-B THiNC Alarm + strAlarmMessage
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### 3.1.2 CViews class

HomeScreen	Allow changing current screen on NC to HOME screen.
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## 3.2 DATA-API

### 3.2.1 CUserManagement class

Name	Description
CheckUserErrorCode	Check the returned error code from LogIn/LogOut function
LogIn	Perform the Log In operation given User ID and password. Note: This operation requires that the machine must be in correct screen and modes to be valid. Operation Mode: Auto Mode  Panel Mode: Run Mode  NC HMI: Home Screen
LogOut	Perform the Log Out operation for the current user. Note: This operation requires that the machine must be in correct screen and modes to be valid. Operation Mode: Auto Mode and in Actual Position page  Panel Mode: Run Mode  NC HMI: Home Screen

## 4. Known Bugs and Limitations

This section identifies known and existing problems in this release and describes any work-arounds.

### 4.1 Defect

#### 4.1.1 API Notifier Status/Service

Symptom: API Notifier Status cannot update NC running status correctly on some Windows.

If THINC-API is installed on Windows x64, API Notifier service cannot detect NC process.

If THINC-API is installed on Windows XP and performance counter is not enabling, API Notifier service cannot detect NC process.

Solution/Work around: New version of ApiNotifier service compiled with .NET Framework 4.0 corrects all of these issues on both Windows 7/XP x86 or x64.