Okuma America Corporation

Okuma MTConnect Adapter

Release Notes

Document No.: S5053-004-27

Revision History

Date	Version	Description	Author
7/25/2011	S5053-004-00	Public release System Version 1.0.0.0	Linh Huynh
10/14/2011	S5053-004-01	Public release System Version 1.3.0.0	Linh Huynh
12/20/2011	S5053-004-02	Public release System Version 1.3.2.0	Linh Huynh
02/17/2012	S5053-004-06	Public release System Version 1.3.6.0	Linh Huynh
02/20/2012	S5053-004-07	Public release System Version 1.3.7.0	Linh Huynh
06/08/2012	S5053-004-08	Public release System Version 1.3.8.0	Linh Huynh
10/09/2013	S5053-004-09	Beta release System Version 1.5.0.0	Linh Huynh
11/05/2013	S5053-004-10	Beta release System Version 1.5.1.0	Linh Huynh
01/07/2014	S5053-004-11	Beta release System Version 1.5.2.0	Linh Huynh
01/09/2014	S5053-004-12	Beta release System Version 1.5.3.0	Linh Huynh
04/15/2014	S5053-004-13	Beta release System Version 1.5.4.1	Linh Huynh
05/06/2014	S5053-004-14	Beta release System Version 1.5.5.1	Linh Huynh
05/14/2014	S5053-004-15	Beta release System Version 1.5.5.2	Linh Huynh
05/16/2014	S5053-004-16	Beta release System Version 1.5.5.3	Linh Huynh
06/24/2014	S5053-004-17	Public release System Version 1.5.6.0	Linh Huynh
07/28/2014	S5053-004-18	Beta release System Version 1.5.6.1	Linh Huynh
08/04/2014	S5053-004-19	Public release System Version 1.5.7.0	Linh Huynh
10/31/2014	S5053-004-20	Public release System Version 2.0.0.0	Linh Huynh
02/06/2015	S5053-004-21	Public release System Version 2.1.0.0	Linh Huynh
06/19/2015	S5053-004-22	Beta release System Version 2.1.2.0	Linh Huynh
09/24/2015	S5053-004-23	Beta release System Version 2.2.2.0	Linh Huynh
06/24/2016	S5053-004-25	Public Release System Version 2.2.5.0	Linh Huynh
09/26/2016	S5053-004-26	Public Release System Version 3.0.0.0	Linh Huynh
03/16/2017	S5053-004-27	Public Release System Version 3.1.0.0	Linh Huynh

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Release Notes for Okuma MTConnect Adapter

1. Introduction

1.1 Disclaimer of Warranty

Okuma America Corporation makes no representations or warranties, either expressed or implied, by or with respect to anything in this document, and shall not be liable for any implied warranties of merchantability or fitness for a particular purpose or for any indirect, special or consequential damages.

1.2 Purpose

The purpose of the *Release Notes* document is to communicate major new features and changes in this release of the Okuma MTConnect Adapter. It also documents known problems and workarounds.

1.3 Scope

This document describes this public release of Okuma MTConnect Adapter version 3.1.0

1.4 References

None

2. About This Release

In this release, the device configuration file, named Devices.xml, is automatically generated by the application to meet per machine specification that the adapter currently can support.

2.1 Prerequisite Software

This release of this application is required to include:

- THINC API release 1.19.0.0 for Lathe
- THINC API release 1.18.0.0 for MC
- THINC API release 1.19.0.0 for Grinder
- Start-up Service version 3.2.1.0 or latest version
- MTConnect Agent version 1.3.0.17 or latest version
- MTConnect schemas 1.3.0.0 only.

2.2 License

Not applicable

2.3 Machine Model

This release supports OKUMA OSP-P300/P200/P100II machines.
The following files included with the installation disk contain data items that can be supported per machine type:
- Lathe2SPDevices.xml : Lathe with 2 sides
- LatheDevices.xml: Any Lathe except for 2 sides Lathe
- MCDevices: Any Machining Center
- GrinderDevices: Any P300G Grinder
- Agent.cfg: default agent configuration file

Please contact your local distributor service department if you experience any difficulties with installing the software or using the system.

2.4 Features

The adapter supports MTConnect schema version 1.3.0 only.
This version and new version of MTConnect Adapter can support the following languages:
- English (default)
- Japanese
- Chinese

3. Known Issues

3.1 P100II - Two side Lathe

```xml
<DataItem  type="EXECUTION" name="p1execution" category="EVENT" id="L2p1execution"/>
<DataItem  type="EXECUTION" name="p2execution" category="EVENT" id="L2p2execution"/>
```

Feed hold status does not report correctly for these tags. It only reports the current active side of machine on NC HMI but not the individual side of machine.

3.2 Tool Data

Tool Assets cannot be supported on P100II, all turning machines such as P200L/P300S/P300L controls with special 8 Digits Tool ID option.

For P300S(LP) :
Tool Asset, Current Tool for A/B/C turret, and ToolAssetID tags will not be available when one of the following conditions are met:
- Tool ID NC SPEC CODE (32,6) is ON
- TMIM NC SPEC CODE 2 (3,6) is OFF

For P300L:
Tool Asset, Current Tool for A/B/C turret, and ToolAssetID tags will not be available when the specification of LTIM NC SPEC CODE 2 (27,2) is OFF.

```xml
<!-- Tool Path related to upper A/H1 turret-->
<DataItem  type="TOOL_NUMBER" name="p1CurrentTool" category="EVENT" id="Lp1CurrentTool" />
<DataItem  type="TOOL_ASSET_ID" name="p1ToolAssetId" category="EVENT" id="Lp1ToolAssetId" />

<!-- Tool Path related to B turret-->
<DataItem  type="TOOL_NUMBER" name="p2CurrentTool" category="EVENT" id="Lp2CurrentTool" />
<DataItem  type="TOOL_ASSET_ID" name="p2ToolAssetId" category="EVENT" id="Lp2ToolAssetId" />

<!-- Tool Path related to C turret-->
<DataItem  type="TOOL_NUMBER" name="p3CurrentTool" category="EVENT" id="Lp3CurrentTool" />
<DataItem  type="TOOL_ASSET_ID" name="p3ToolAssetId" category="EVENT" id="Lp3ToolAssetId" />
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<MTConnectAssets xsi:schemaLocation="urn:okuma.com:OkumaToolAssets:1.3 /schemas/OkumaToolAssets_1.3.xsd"
xmlns:x="urn:okuma.com:OkumaToolAssets:1.3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="urn:mtconnect.org:MTConnectAssets:1.3" xmlns:m="urn:mtconnect.org:MTConnectAssets:1.3"><Header
assetCount="0" assetBufferSize="1024" version="1.3.0.17" instanceId="1484830744" sender="OKUMA-90BF578E1"
creationTime="2017-01-19T13:00:10Z"/><Assets/></MTConnectAssets>
```

4. Defects fixed in this release

4.1 Lathe

Correct Tool Asset that has R displayed in ATC magazine pots.

4.2 All OSP-P controls

Correct Date and Time stamp when application is running under Italian language.