AutoSave Change Management

Support for Indramat WinMTC v23

PRODUCT OVERVIEW

The AutoSave suite of products provides the software tools needed to manage all your automation programs. It controls and tracks the changes to your industrial programmable devices and program sources including BRC Indramat WinMTC v23 projects.

This module supports the WinMTC v23 application running on the Indramat MTC-200 or MTA-200 CNC hardware and requires the installation of the provided AutoSave Remote Module Service (ARMS) executable on the HMI.

AutoSave works directly with the HMI software to offer you both an interactive environment and background monitoring, resulting in a comprehensive change management solution. You have complete control over your device programs including:

- On demand Upload or Scheduled Comparison with AutoUpdate Capture and Archive Changes Made at the Operator's Console or Handheld HMI
- Historical Tracking
- Automatic Change Notification
- Quick Disaster Recovery

CLIENT / SERVER / AGENT

The AutoSave Indramat WinMTC v23 module plugs into the AutoSave client which is installed on each user workstation. An AutoSave server acts as the master control center that coordinates all change-related programming activities and stores PLC project files. The AutoSave client and agent software provide upload and download capabilities to capture and restore changes for the unit.

ARCHIVED CONTENTS

AutoSave creates revision copies comprised of all the files and information within the program's file list for the device. All are saved as a unit. The entire program is restored to the client whenever needed for subsequent use. It archives live data from the CNC along with the saved hard drive data.

SECURED PROGRAM ACCESS

The AutoSave client interface allows users to access the AutoSave functions using a login and password. At login, the AutoSave server determines the level of access to the different areas and programs permitted to the user and the client PC.

VERSION CONTROL

When the user opens a program to upload/download via AutoSave, the file becomes locked and indicates who has the file checked out. The system denies access to others while the program is in use. When the user completes editing and saves the changes, AutoSave prompts for a revision note, creates a new current copy, relegates the previous current copy to a numbered ancestor, and unlocks the program.

UPLOAD

The CNC programs are comprised of multiple data files, NC program files, tool information files, and other files; these are stored within the NC itself and the HMI's hard-drive. This module executes a backup operation from within the WinMTC software to archive live data from the CNC onto the hard drive and includes this data along with the saved hard drive data in the created AutoSave revision.

DOWNLOAD

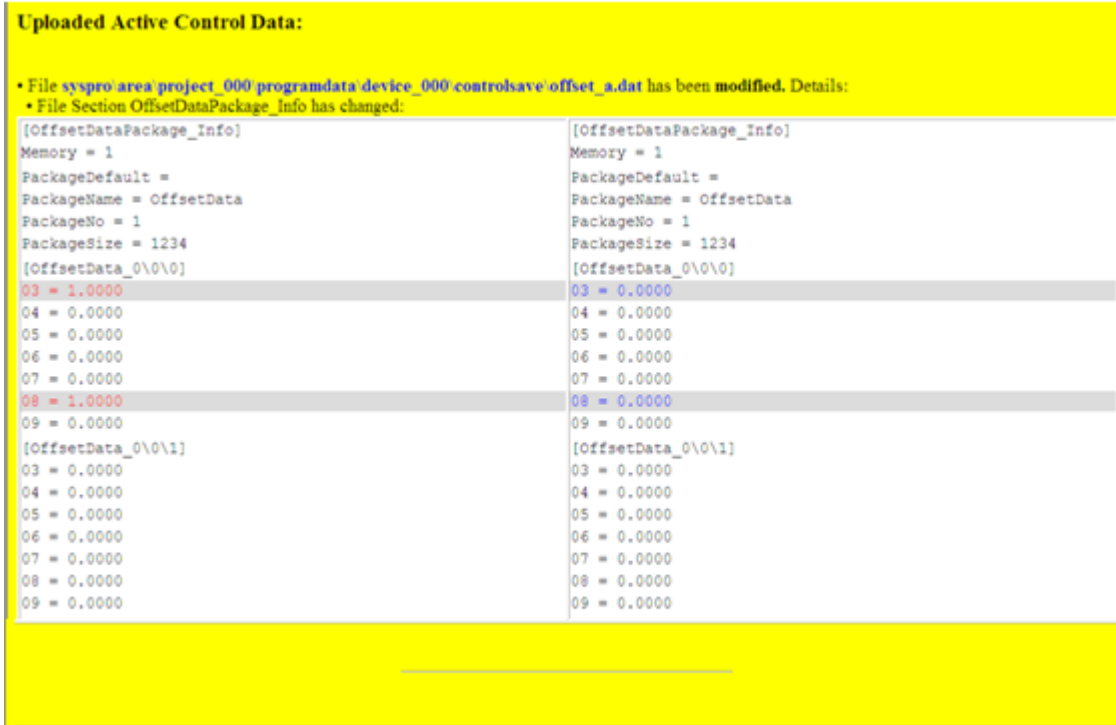Download to the device enables the user to select the current copy or any available ancestor or version with which to update the device's files and results in the creation of a new current copy. Accessing the download function only via a context menu provides additional security, as does AutoSave's prompting for confirmation before initiating the download.

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COMPARISON FEATURES

The module provides its own server compare functionality both for textual and graphical differences. It utilizes the basic MDT ASCII compare methods; binary files indicate binary differences (no details), text files and PDFs for graphical compares have a link to the details, and missing files are reported.

Uploaded Active Control Data:

• File syspro\area\project_000\programdata\device_000\controlsave\offset_a.dat has been **modified.** Details:
  • File Section OffsetDataPackage_Info has changed:

```
[OffsetDataPackage_Info]              [OffsetDataPackage_Info]
Memory = 1                            Memory = 1
PackageDefault =                      PackageDefault =
PackageName = OffsetData              PackageName = OffsetData
PackageNo = 1                         PackageNo = 1
PackageSize = 1234                    PackageSize = 1234
[OffsetData_0\0\0]                    [OffsetData_0\0\0]
03 = 1.0000                           03 = 0.0000
04 = 0.0000                           04 = 0.0000
05 = 0.0000                           05 = 0.0000
06 = 0.0000                           06 = 0.0000
07 = 0.0000                           07 = 0.0000
08 = 1.0000                           08 = 0.0000
09 = 0.0000                           09 = 0.0000
[OffsetData_0\0\1]                    [OffsetData_0\0\1]
03 = 0.0000                           03 = 0.0000
04 = 0.0000                           04 = 0.0000
05 = 0.0000                           05 = 0.0000
06 = 0.0000                           06 = 0.0000
07 = 0.0000                           07 = 0.0000
08 = 0.0000                           08 = 0.0000
09 = 0.0000                           09 = 0.0000
```

COMPARISON ON DEMAND

Compare any two revisions of the program, such as current, local, ancestor, or version, to each other or to the device. As implied by its name, this comparison is done on a demand basis and may be performed from any client with access to the device program.

AUTOMATED COMPARISON

The Indramat WinMTC v23 module allows for scheduled, unattended comparisons of flexibly configured groups of programs. Using the agent to perform the actual upload, AutoSave can compare the device copy to the current copy or compare the current copy to a selected version (permanent, master copy). This module supports the **AutoUpdate** feature that enables AutoSave to update the server with a new current copy if the existing current copy is determined to be different than the device.

NOTIFICATION

Notification e-mail can be automatically sent to selected users when comparisons or changes are made.

SUPPORTED DEVICES

BRC Indramat WinMTC v23 runs on the Indramat MTC-200 or MTA-200 CNC hardware and requires the installation of the provided ARMS executable on the HMI.

System Highlights	
Client: Real-time Ancestry	✓
Server: Auto Unattended Operation	✓
Agent: Parallel/Distributed Processing	✓
Secured Program Access	✓
Version Control w/file compression	✓
Device Upload	✓
Device Download	✓
Client Highlights	
Compare	✓
Server / Agent Highlights	
Time-Base Scheduling	✓
AutoCompare	✓
AutoNotify	✓
AutoUpdate	✓

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