## New drive installation using MEI.

## ALS 286, ALS 4.0, AutoMill HP.

- 1. Install new drive in panel. LED will be flashing at a different rate than the others
- 2. Open MEI Exe. C:\MEI\MPX\Bin\WinNT



3. Motion Console will open with the message below. Note SynqNode position number. Select Yes.

- 4. Download Binary Image to SqNode(s) will appear on screen.
- 5. Select Node FPGA then select Browse.

Download Binary Image to S Select file(s) to download to th SqNode 2, Controller 0: COFF	iqNode(s) e following SyngNet node(s): 50036-0346.att	×
Channel Node FPGA Drive Processor 0 Firmware	File (Unspecified) (Unspecified)	+
Clear Selected Clear A	sil Browse Download Veniy Close	3

Download Binary Image to SqNode(s)				
Select file(s) to download to t SqNode 2, Controller 0: COF	ne following SynqNet node(s): E0036_0346.sff		*	
			~	
Channel	File			
Node FPGA	(Unspecified)			
Drive Processor 0 Firmware (Unspecified)				
Clear Selected Clear.	Browse	wnload Verify	Close	

6. The Download binary image to SqNet node will display the file needed. COFE0036\_0346\_03\_00.sff. You must choose this file from the list. If you select the wrong Binary image it will tell you the Binary image is not valid for the following nodes. Select download button. Select checkbox "Cancel after this action completes." Once the download finishes close MEI program.



## 7. Open S200 Tools

C:\Program Files\Danaher Motion\S200Tools



 Select SynqNet Node that was changed. (L1= Node 0, L2= Node 1, A1= Node 2, T1= Node 3, Z1= Node 4, B1= Node 5 for ALS 4.0 ONLY)



9. Select Drive Setup and then select General Info.

Ø S200 Tools Base/SynqNet Units					x
File View Utilities Help					
- <b>4 7 1 7 ?</b>			Controller 0	SynqNet Node 5	•
Contraction of the second seco	Surgeon         Control Mode         Motor         CC           General Information         Command Valid         Command Valid           Self-EPAram:         SFD         Delete:         SFD           DPdele:         B Poles         SFD         Comm/Mode:         Setup.522         (21)           Comm/Mode:         Setup.522         S18 Anno.         <	ommand Control   VO Setting   Loop Loomand C able Command C Command C Conditions Cmd7hout	Controller 0  Controller 0 Controller 0 Control OArme 0 5000449 Ar 0 5000449 Ar 1457.28 Hz 100 % 100 % Vei/FB 9155 F 157 627 Am 500 Coff Coff Normal Normal	SynqNet Options   ms/V	
		Ding4Pol: HSinp1Pol:	Normal Normal	NV Save	
Drive, 52036 240VaC 3/ 9Ams	operation mode, rorque/Current	NO Fault			11

In the Fault or Foldback box the new drive will be set to IT trip faults drive.

Select the down arrow and select IT clamps current limits to IFdBack.

Then select NV Save.					
Ø S200 Tools Base/SynqNet Units					x
File View Utilities Help					
<u>* 4 1 2 7 ?</u>			Controller 0	<ul> <li>SynqNet Node 5</li> </ul>	-
Online  SYNQNET NODE 5  Status  Status  Motor Summary  Offline	Summary Control Mode Motor C Battery Diagnostic BatFDis: Disable Fault or Foldback ITMode: IT trip clamps current limits t IT trip clamps current limits t	o IFIdBac	ting Loop Gains General ult Diagnostic FItDiag: Off ult Reset Mode FItRstMode: Level DSpan or No Span SFDSpan: Span	Info SynqNet Options	
Drive: S2036 240Vac 3/9Arms	Operation Mode: Torque/Current	No Fault			11

- 10. Drive is ready. Close S200 Tools.
- 11. Cycle power to the Saw.