CSV2XML User Giuide

Introduction

Vision Engineering wrote the software CSV2XML for the Southwire Company to assist in the exporting of measurement data from the M3 Software to their AB Varis data collection system. CSV2XML runs in conjunction with the M3 measuring software by using a script command in the operator prompts dialogue to send measurement data to the AB Varis database.

Installation

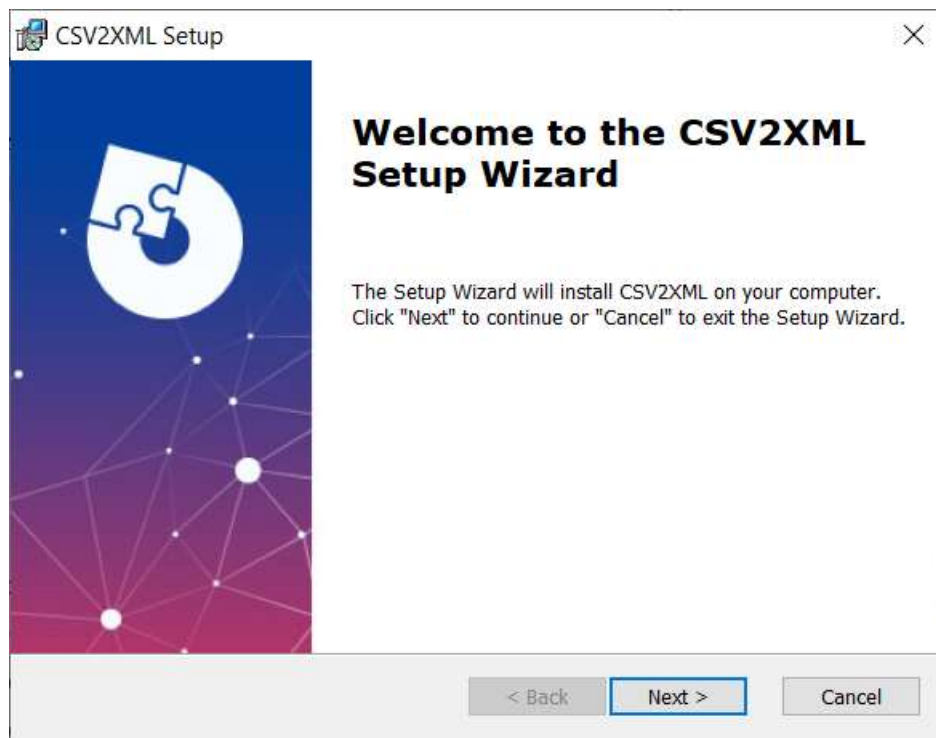On the installation computer, run the setup program CSV2XML_setup.msi and follow the Setup Wizard.

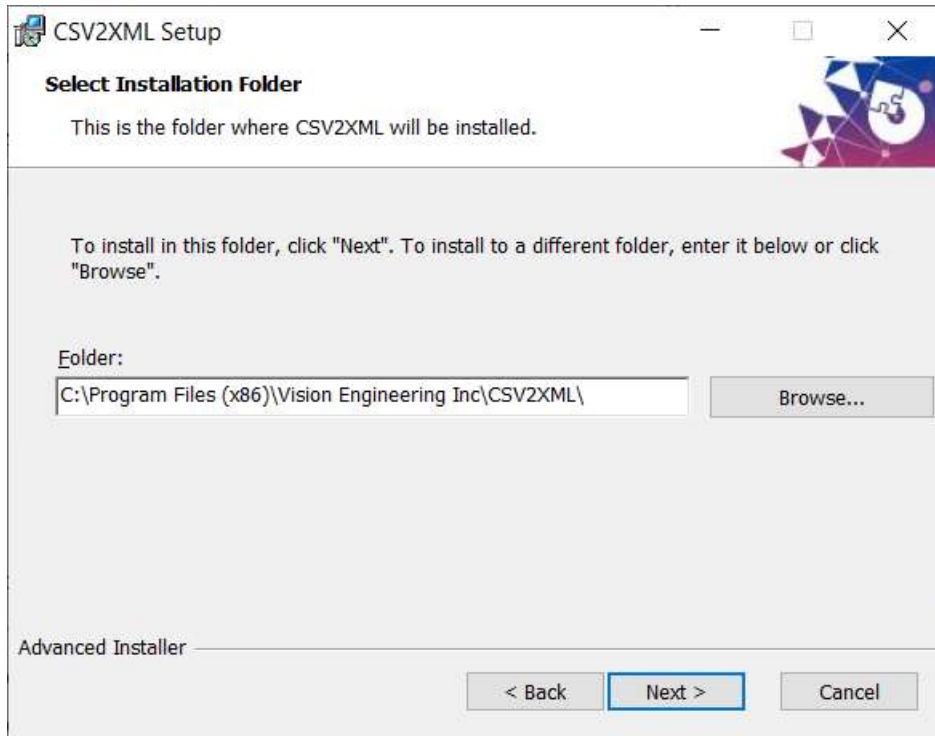*Figure 1 Click on Next*

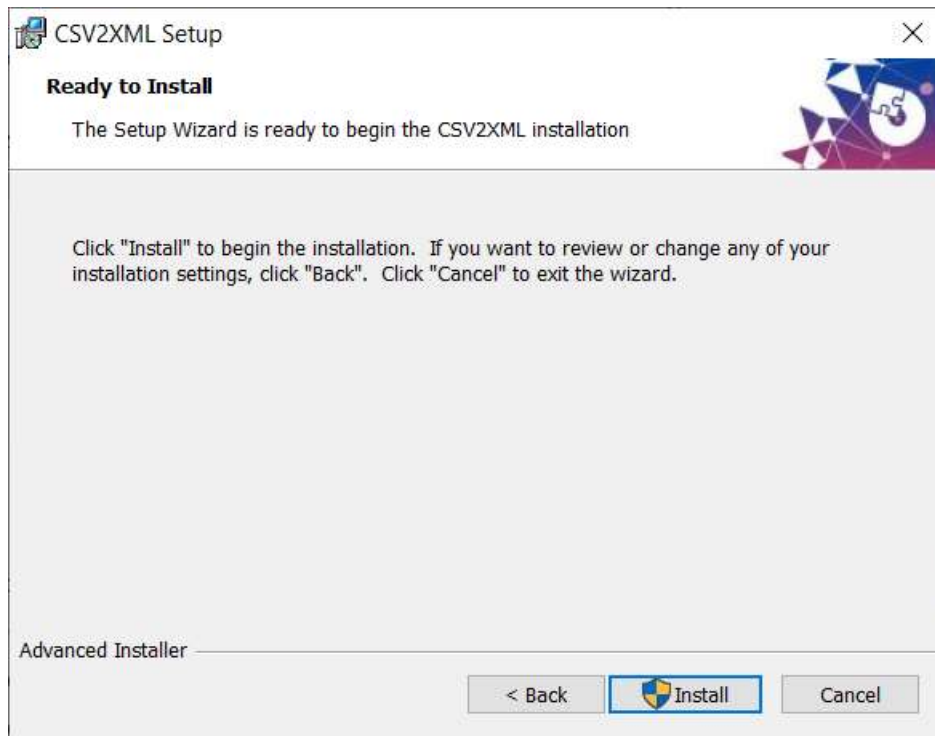*Figure 2 You may change the instalation directory (not recommanded)*

Figure 3 Click on Install. Note: You need administrator privileges for this step.
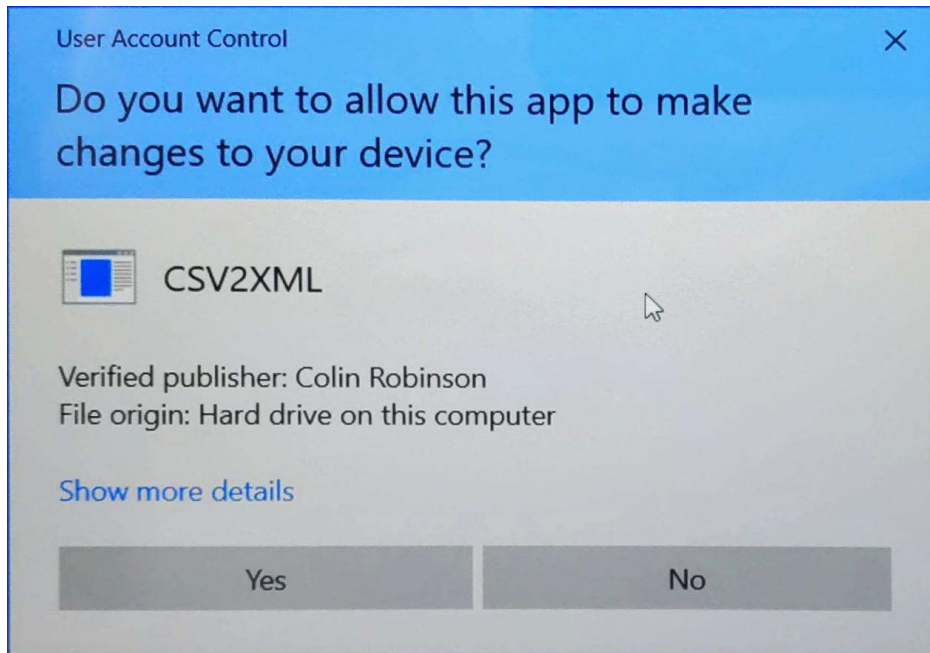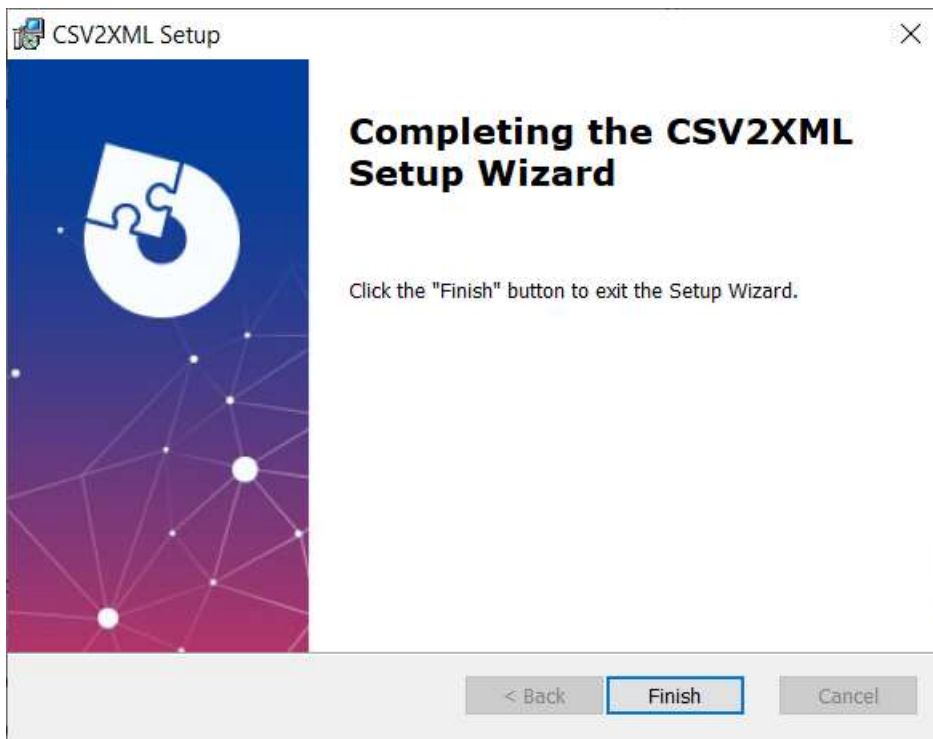
Figure 4 Please click on Yes.

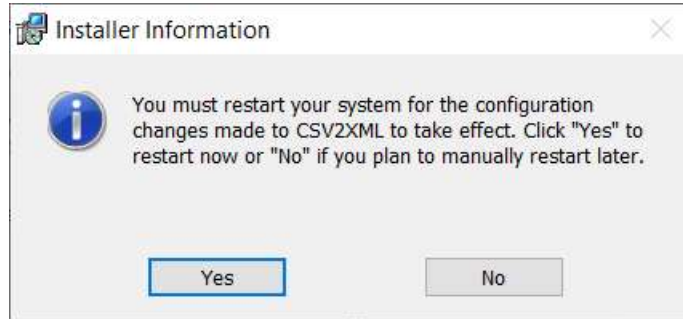*Figure 5 Please click on Finished.*

Figure 6 You must reboot the computer before using CSV2XML!

Installation program added system variables and registry entries. You must reboot the computer system before attempting to run CSV2XML.

Configuration

The installation program created the directory folder "*C:\Users\Public\Documents\CSV2XML*". Contained within this folder are two configuration files, "*Maps.ini*" and "*MachineNames.ini*".

Maps.ini is the main configuration file for CSV2XML and is where you set the AB Varis data storage path, the M3 inspection results path and file name of the CSV file containing the inspection results, display setting for the optional Send Data Confirmation dialog box, and the mapping of the M3 feature names and coefficients to the AB Varis tags.

Using Notepad, edit the Maps.ini file, and make the necessary changes for the machine setup.

MachineNames.ini contains a sequential list of machine names, one machine name per line. Edit this file using Notepad and enter the machine names for the product line. CSV2XML prompts the operator to select a machine name from the drop-down list when it starts exporting the measurement results to AB Varis.
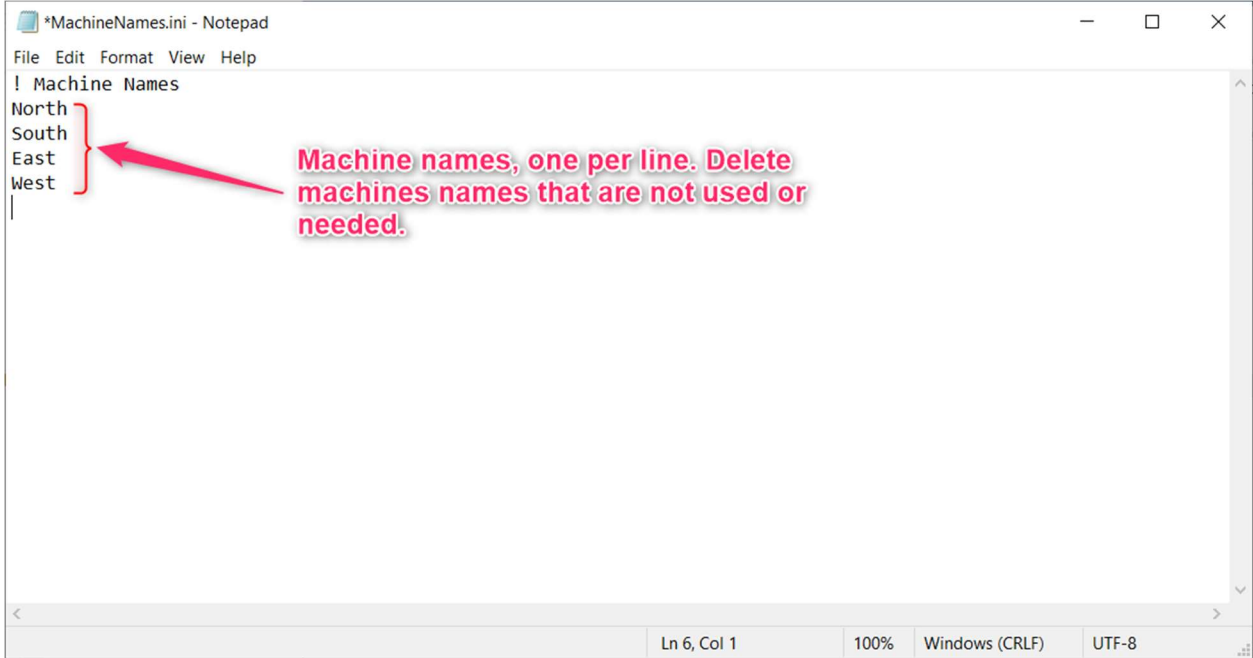
Using CSV2XML from inside the M3 Measuring Software.

1. In the M3 Software, create a new part.

2. In M3 Settings (you must log in as a Supervisor!), goto Exports and ensure that the File Name matches the Results Path and File Name setting in Maps.ini. Click on Done twice in the bottom right to exit the settings screen.
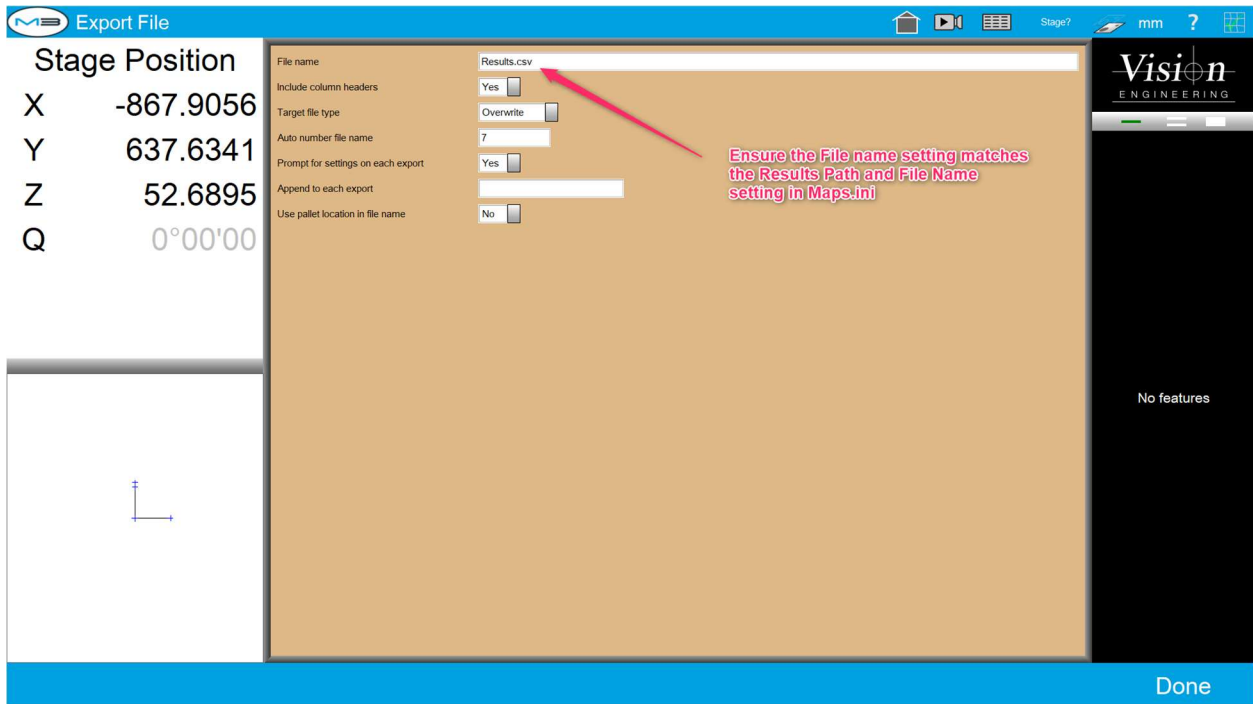
3. Start creating a measurement program, and measure the features to export to AB Varis.

4. Export the measurement results in a European format or a European 2 format report to a CSV file. If the Export Page/ViewPort is displayed, ensure the file name is the same as that specified in Results Path and File Name setting in Maps.ini.

5. Open an operator prompt and key in the following: "**script:exe csv2xml**". See the picture below.
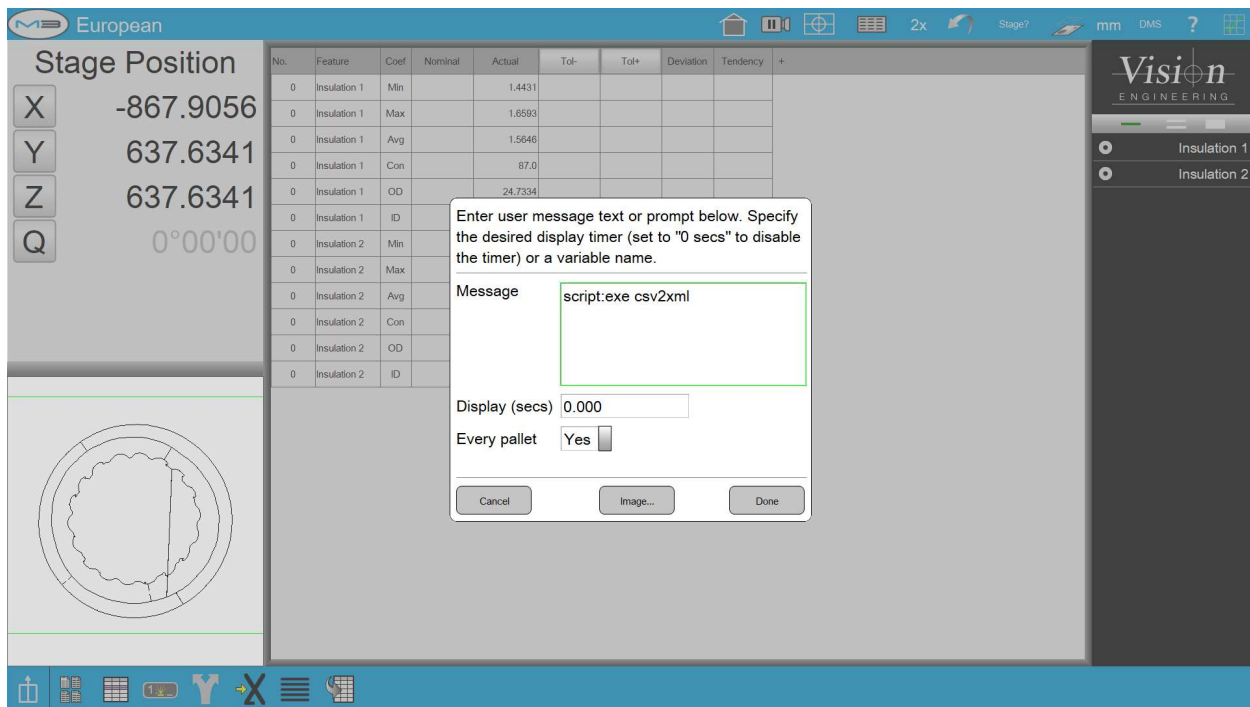
6. Save the program and run.

Running an M3 inspection program with CSV2XML.

1. Open and run the program.

2. Inspect the features.

3. Select the machine name.

4. If enabled, click Yes or No on the Send Results Confirmation Dialog box.