

Quick Start Guide

Sheet 13

Profile Vu-R G3 (9/14)

Before proceeding with this quick start sheet, you should have already installed the Total Vu software & installed the TLAsEr400 card or NetLinc in your computer. See Quick Starts guides 1, & 2 or 18.

Equipment Supplied:

- Profile Vu-R Fixture w/ horizontal mounting adapter w/ mounting H/W
 - Laser Scan Micrometer _____
 - AC Power cord(s)
 - TLAsEr400 Interface Card w/1 Si module (CH1) & Encoder(CH4) or NetLinc.
 - Cable(s)
 - Scanner Data cable - Hi-Flex, 4' pigtail, p/n 8100-0100-12-04-RA
 - TLAsEr400 Cable, - PC to Hi-Flex, p/n 3000-0100-12-xx or EtherNet Patch
 - Serial Interface - PC to Profile Vu, DB9F-DB9M, p/n 3280-0100-12-xx
 - Encoder Interface - PC back panel to Profile Vu, p/n 3800-0100-12-xx,
 - USB Media – Total Vu Software
 - Other accessories _____
-

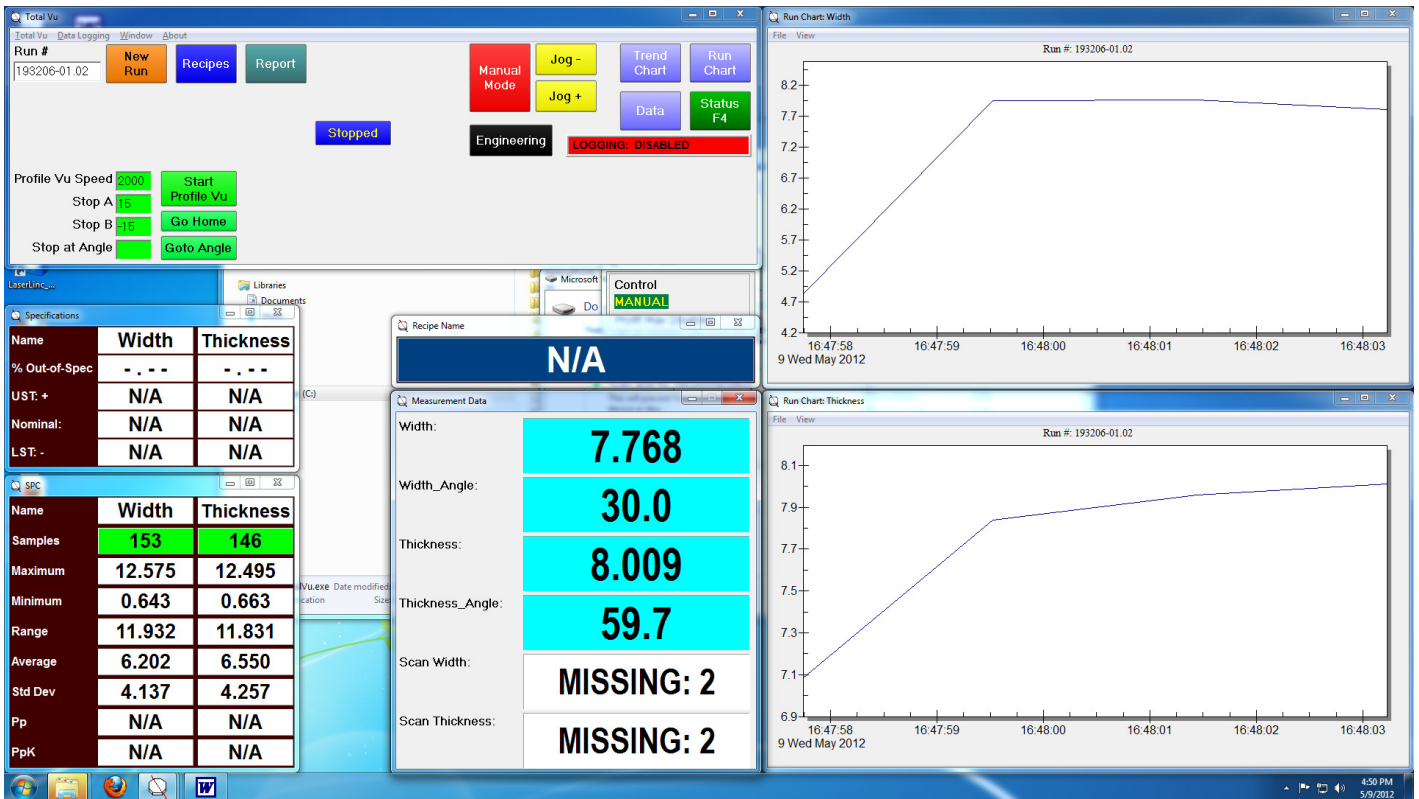
Hardware Installation

- Connect the hi-flex cable (yellow w/ anti-abrasion jacketing) to Scanner
- Connect the TLAsEr 400 interface cable between the Hi-flex cable and TLAsEr400 card (installed in PC) or, connect to NetLinc and connect EtherNet to PC LAN port
- Connect A/C power cable to NetLinc
- Connect the serial interface cable between the Profile Vu and PC's COM1: port. NOTE: Total Vu is pre-configured for COM1. Should you need to change COM ports, Total Vu must be reconfigured through Total Vu's FULL CONFIGURE. The COM parameters are configured through Total Vu to 9600, 8, N, 1, None
- Connect the encoder cable between the Profile Vu-R and the PC back panel or NetLinc
- Connect the A/C power cord to Profile Vu-R
- Ensure RED emergency stop button is disengaged by twisting CW to reset

Operation

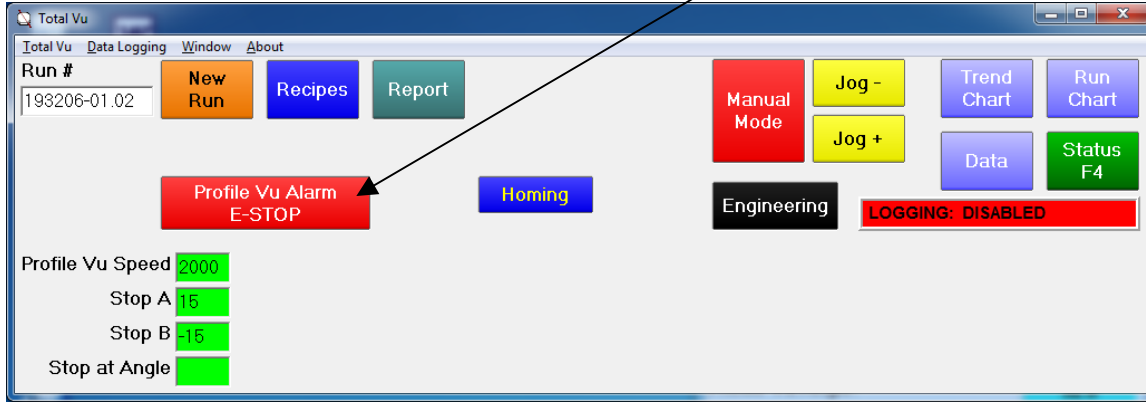
- Execute Total Vu Software
- NOTE: Your configuration screen may be different
- Wait for the HOME operation to complete – Blue button will say “AT HOME” then “STOPPED”
- Should an error condition exist, a red alarm button will display. This button needs to be acknowledged by ‘mouse click’ before continuing.

MAIN SCREEN

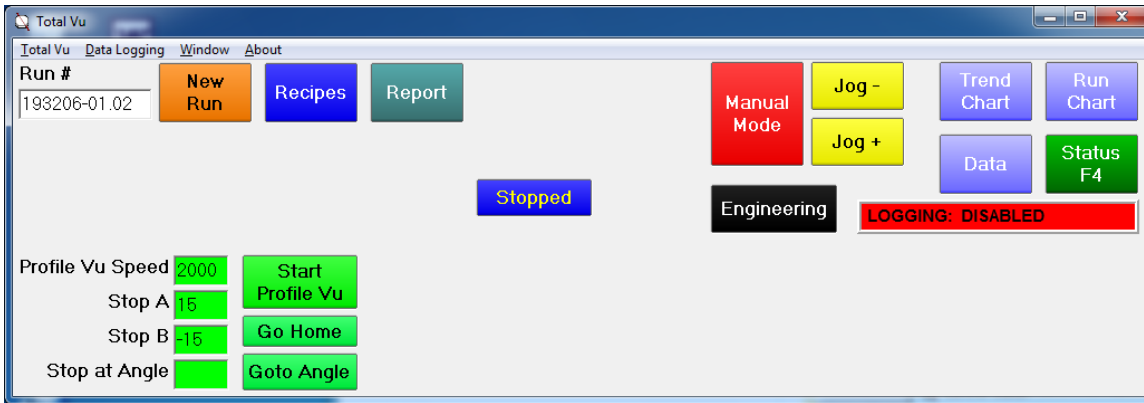


MAIN SCREEN – ERROR CONDITION

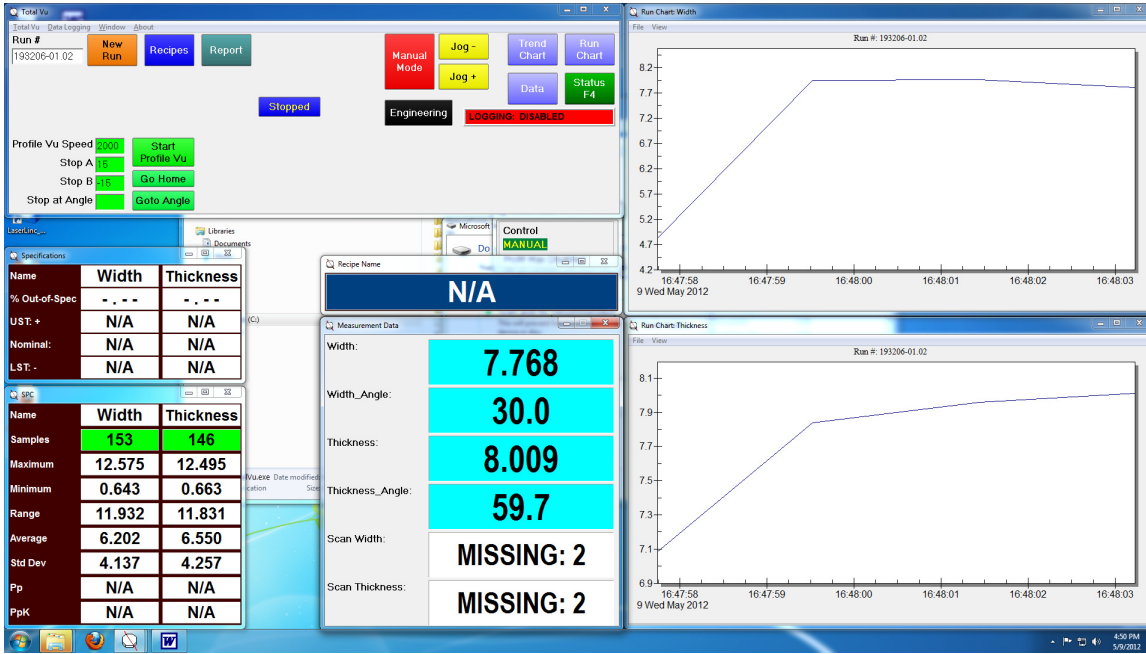
Clear error condition



screen shots (sample)



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Measurement Data

Width:	OLD
Width_Angle:	OLD
Thickness:	OLD
Thickness_Angle:	OLD
Scan Width:	MISSING: 2
Scan Thickness:	MISSING: 2

Recipe Name

N/A



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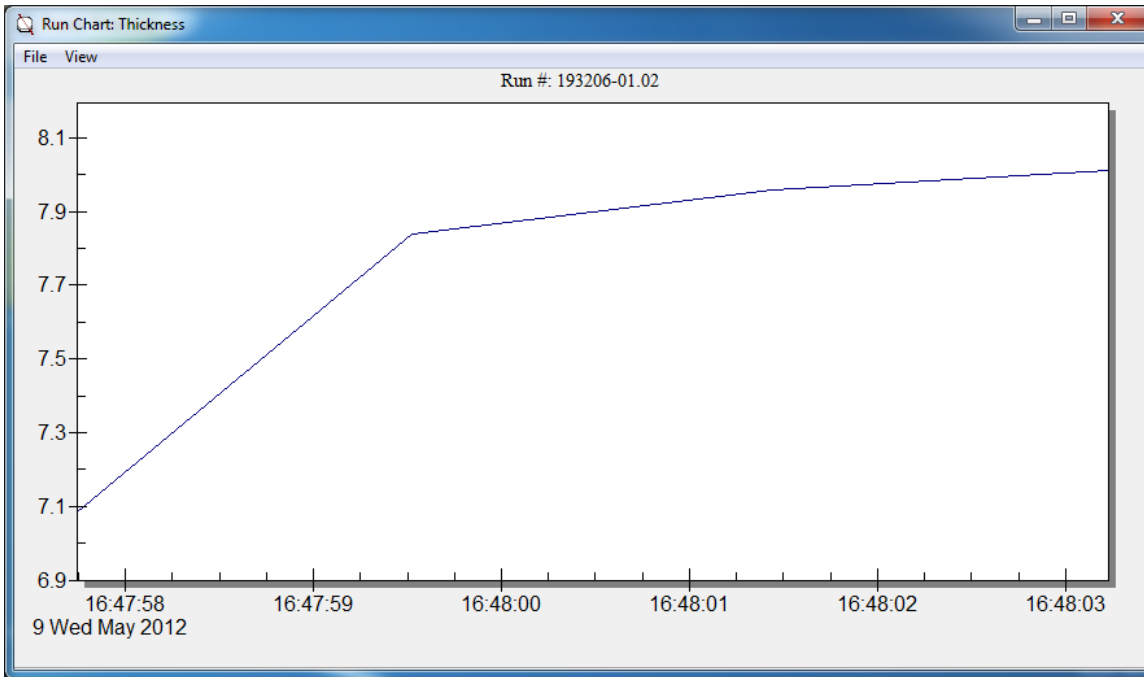
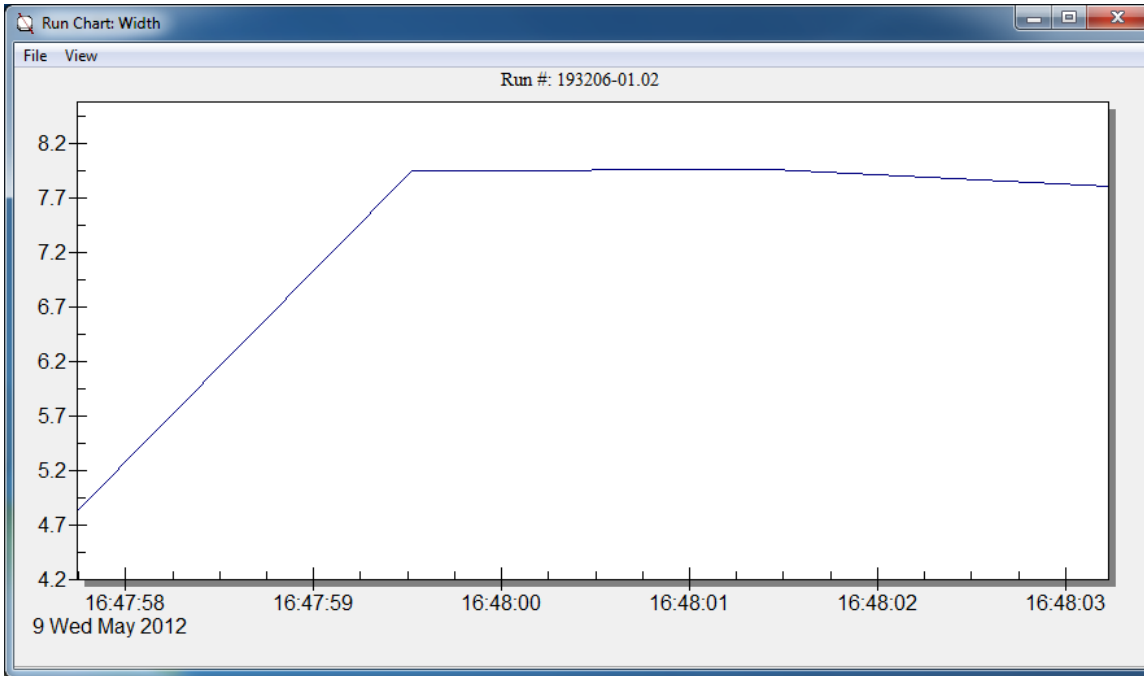
Profile Vu 1 Diagnostics	
Profile Vu Angle:	60.0
Profile Vu 1 Com Alarm Code:	0.0
Profile Vu 1 Alarm.E-Stop:	160.0
Profile Vu 1 Alarm.Limit Swtch:	160.0
Profile Vu 1 Alarm.In Motion:	160.0
Profile Vu 1 Controller Temp C:	58.0000
Profile Vu Param Speed:	2000
Profile Vu Param Stop at A:	15.00
Profile Vu Param Stop at B:	-15.00
Profile Vu Param Stop at Angle:	-
Profile Vu 1 Com at Home:	COM ERR 3
Profile Vu 1 Com at Stop A:	OLD
Profile Vu 1 Com at Stop B:	OLD
Profile Vu 1 Com at Angle:	COM ERR 3
Profile Vu 1 Event at Home:	1.0
Profile Vu 1 Event at Stop A:	1
Profile Vu 1 Event at Stop B:	1
Profile Vu 1 Event at Angle:	..
Profile Vu 1 Event Change Dir:	OLD
Profile Vu Count for Stop A:	1367
Profile Vu Count for Stop B:	-1367
Profile Vu Count 4 Stop Angle:	-



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Specifications		
Name	Width	Thickness
% Out-of-Spec	- . - -	- . - -
UST: +	N/A	N/A
Nominal:	N/A	N/A
LST: -	N/A	N/A

SPC		
Name	Width	Thickness
Samples	153	146
Maximum	12.575	12.495
Minimum	0.643	0.663
Range	11.932	11.831
Average	6.202	6.550
Std Dev	4.137	4.257
Pp	N/A	N/A
PpK	N/A	N/A



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Misc

Encoder Output

Quadrature Encoder output

A/C Line Requirements

110VAC – 240VAC 50Hz – 60Hz universal input. 0.75A @ 120VAC; 0.40A @ 220VAC

Fuses

AC Line Fuse - 1A / 250VAC Fast Blo
24V DC Fuse - 2A / 250VAC Fast Blo



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