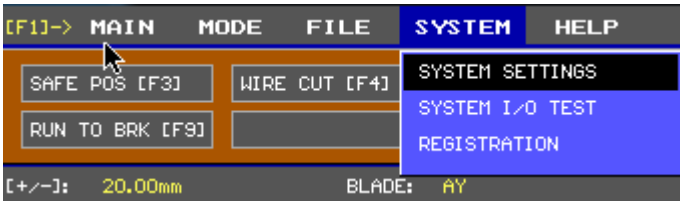
06. SYSTEM SETUP - GENERAL MACHINE SETUP

As mentioned in Section 3, there are two setup levels:

- General setup is dependent on the machine model.
These settings will affect all programs and are accessed with the F1 function key.

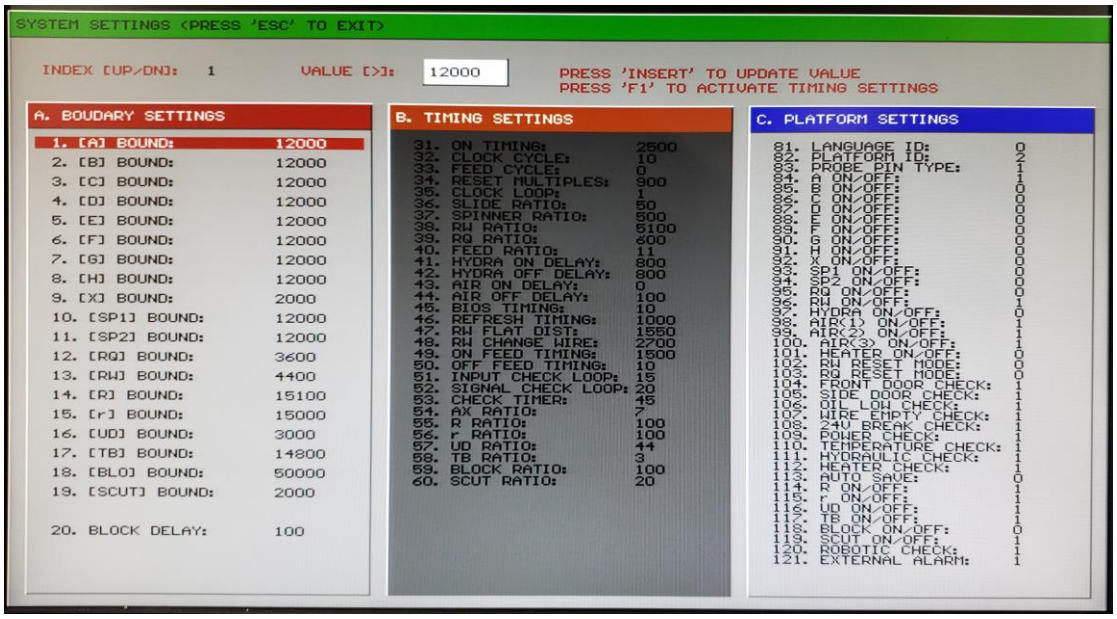
- Special setup is dependent on the tooling, wire, etc. These values are specific to the current program.
These settings are accessed with the F2 function key.

To access the general setup, press the F1 key and use the ◄ ► arrow keys located on the keyboard. The user can return to the main program at any time by pressing the ESC key.



SYSTEM SETTING	SETTING THE SYSTEM PARAMETERS FOR THE CURRENT PROGRAM THAT IS RUNNING, INCLUDING SERVO DRIVER SETTINGS	F1 + ►►► + ENTER
SYSTEM I/O TEST	TEST VARIOUS INPUT AND OUTPUT POINTS THROUGHOUT THE SYSTEM	F1 + ►►► + ▼ + ENTER
REGISTRATION	CURRENTLY NOT UTILIZED	F1 + ►►► + ▼▼ + ENTER

06.1 SYSTEM SETUP



Press the ◄ ► arrows located on the keyboard. The user can return to the main program at any time by pressing the ESC key. Edit the value [>] of the current selection and press the INS (INSERT) key on your keyboard to save the changes.

06.1.1 A - BOUNDARY SETTINGS

The operator must not modify any of these values. These values are set by authorized VINSTON US service personnel only. Modification to these values could cause adverse effects that can be hazardous and pose a risk to the machine operator. In case of inadvertent changes, please contact VINSTON US to reset these settings to their appropriate values prior to further operations on the machine. Bound value, which is set for each axis is the maximum value of the electronic cam rotation (caused by pulses from encoder). The field for the motion of the axis based on the value to zero (reset position) to the value set on this page.

06.1.2 TIMING SETTING

The operator must not modify any of these values. These values are set by authorized VINSTON US service personnel only. Modification to these values could cause adverse effects that can be hazardous and pose a risk to the machine operator. In case of inadvertent changes, please contact VINSTON US to reset these settings to their appropriate values prior to further operations on the machine.
The following values are default factory settings and should not be modified under any circumstances:

31. ON TIMING
32. CLOCK CYCLE
33. FEED CYCLE
34. RESET MULTIPLES
35. CLOCK LOOP
36. SLIDE RATIO
37. SPINNER RATIO
38. RW RATIO
39. RQ RATIO
40. FEED RATIO
41. HYDRA ON DELAY
42. HYDRA OFF DELAY
43. AIR ON DELAY
44. AIR OFF DELAY
45. BIOS TIMING
46. REFRESH TIMING

    …

49. ON FEED TIMING
50. OFF FEED TIMING
51. INPUT CHECK LOOP
52. SIGNAL CHECK LOOP
53. CHECK TIMER

The following values can be modified only by authorized personnel of VINSTON US:

47. RW FLAT DIST: Optimal position when the machine is not in operation or SAFE position (Ctrl – S setting)
48. RW CHANGE WIRE: Optimal position to perform wire adjustments and changes (Ctrl – D setting)

06.1.3 PLATFORM SETTINGS

The operator must not modify any of these values. These values are set by authorized VINSTON US service personnel only. Modification to these values could cause adverse effects that can be hazardous and pose a risk to the machine operator. In case of inadvertent changes, please contact VINSTON US to reset these settings to their appropriate values prior to further operations on the machine. These values are default factory settings and should not be modified under any circumstances.

06.1.3.1 81. SELECT LANGUAGE

The following values can be modified only by authorized personnel of VINSTON US. Enter the value for the language of the user's preference and press INS (INSERT) to save the changes.

0 - ENGLISH
1 - CHINESE
2 - TURKISH
3 - PORTUGUESE
4 - ITALIAN
5 - CZECH
6 - SPANISH

06.1.3.2 82. PLATFORM I.D.

This value is the default factory setting and should not be modified under any circumstances.

06.1.3.3 83. PROBE PIN TYPE

This value is the default factory setting and should not be modified under any circumstances.

06.1.3.4 84.-96./114.-119. ENABLE/DISABLE AXIS, SPINNER, ROTATING QUILL, WIRE ROTATION

The following values should only be modified by authorized personnel of VINSTON US. Adjusting these values will enable or disable the corresponding axis on the machine.

Note: Once an axis is disabled, adjustments using the RPG CONTROL are disabled.

06.1.3.5 97. HYDRAULIC CUTTER

The following values should only be modified by authorized personnel of VINSTON US to enable/disable the hydraulic cutter on the machine.

Note: Once an axis is disabled, adjustments using the RPG CONTROL are disabled.

06.1.3.6 98.-100. AIR PROBES

The following values should only be modified by authorized personnel of VINSTON US to enable/disable each of the air probes on the machine.

Note: Once an axis is disabled, adjustments using the RPG CONTROL are disabled.

06.1.3.7 101. INDUCTOR (HEAT)

The following values should only be modified by authorized personnel of VINSTON US to enable/disable a heating inductor unit installed on the machine.

Note: Once an axis is disabled, adjustments using the RPG CONTROL are disabled.

06.1.3.8 102.-03. RESET MODE OF WIRE ROTATION AND QUILL

These values are the default factory settings and should not be modified under any circumstances.

06.1.3.9 104.-105. CLOSE DOOR CONTROL

This value enables the sensors on the access door of the machine housing. This value is the default factory setting and should not be modified under any circumstances.

06.1.3.10 106. OIL LOW CHECK

Check the oil pump for oil pressure. Setting the value to 0 will ignore this check.

06.1.3.11 107. WIRE EMPTY CHECK

Check if wire is loaded on machine. Setting the value to 0 will disable this check.

06.1.3.12 108. 24V BREAK CHECK

Check the rotary wire breaking mechanism. Setting the value to 0 will disable this check. This check option is only implemented on Rotary Wire models.

06.1.3.13 109. POWER CHECK

Check all 5V/12V input power for appropriate voltage levels. This value is the default factory setting and should not be modified under any circumstances

06.1.3.14 110. TEMPERATURE CHECK

Check overall temperature of electronics for appropriate safety operating levels.

06.1.3.15 111. HYDRAULIC CHECK

Check for the presence of a hydraulic cutter. Currently only implemented on the CMM-12-600 R model only. (rev. 7/15/2013)

06.1.3.16 112. HEATER CHECK

Check for the presence of an induction heater.

06.1.3.17 113. AUTO SAVE

This value is defaulted to zero, indicating the auto save feature is disabled. The auto save feature was deployed on 5/15/2013 and allows the user to enable the system to automatically save the current program in increments of 1 minute intervals, from a minimum of one minute to a maximum of one hour (60 minutes).

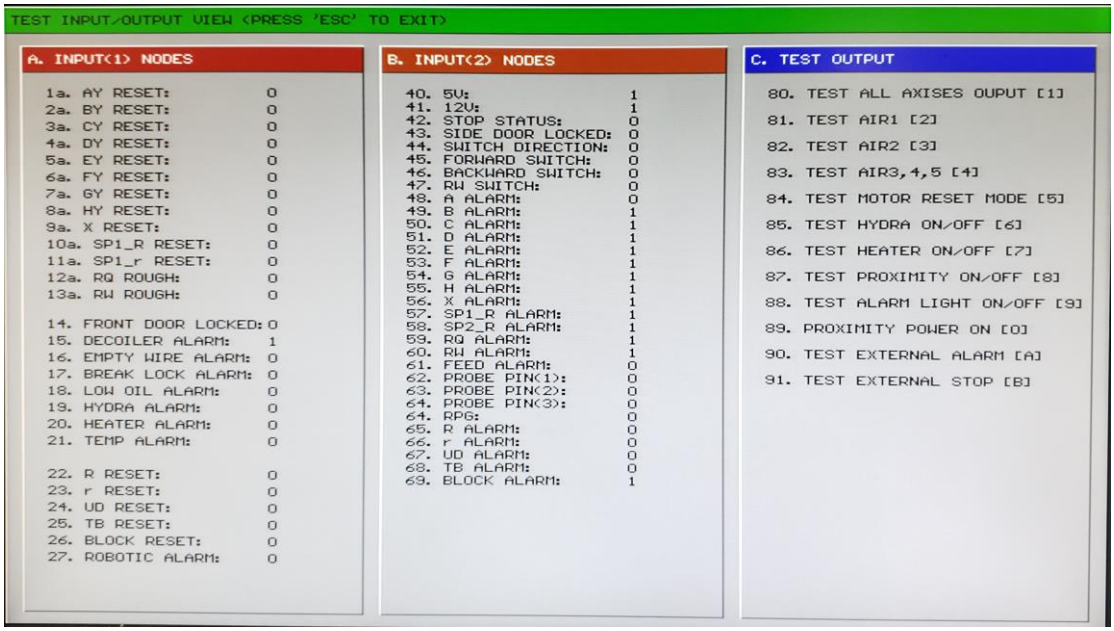
06.1.3.18 120. ROBOTIC CHECK

Check for external robotic attachments.

06.1.3.19 121. EXTERNAL ALARMS

Check for external alarms.

06.2 SYSTEM I/O TEST



The list of inputs and outputs throughout the various regions of the machine are constantly tested while in this mode.

A. INPUT NODES: INPUT CHECK I / O "A"
When the axes are reset, through the torque control or sensor input Rough goes to 1, while it is at zero when the axis is not zero.

B. INPUT NODES: INPUT CHECK BOARD I / O "B"
The window displays the returns of sensors running on the edge of the machine to the corresponding values. Line 64 indicates the direction of rotation of the RPG.

C. INPUT NODES: INPUT CHECK BOARD I / O "C"
Line 80: Examination of all axes
Line 81: Test Air Probe #1
Line 82: Test Air Probe #2
Line 83: Test Air Probe #3, 4, 5
Line 84: For factory testing only - do not use
Line 85 and 86: hydraulic shear test
Line 87-91: For factory testing only – do not use

06.3 **REGISTRATION**

Not used