

Certification Test

CT.HMI.02.MoviconBasic_selfg.CertificationTest



Student Name: _____

Company Name: _____

Address: _____

Phone: _____

Email: _____

Test Date: _____

The following HMI operation checklist is to be verified by Yaskawa Technical Training Services

User Management / General

1. No "file" menu or scroll bars on smartPanel HMI (status bar is optional)
2. Name and organization in header
3. Image in header
4. Cannot navigate to Setup screen unless logged on as user "en1"
5. Log on as "en1" and navigate to setup screen, use Low PE button
6. Active User Name is displayed
7. Log off and setup screen controls do not work

Setup Screen

8. IP address displays
9. With servos off, use Write Servo Drive Parameters. Reboot Required indicator lights
10. Use Reboot Request switch (or hold Reboot Required indicator)
11. Close HMI project with button and relaunch using VipaStartUp

Control Panel

12. Mode indicator updates for each of the 5 main screens
13. Start button appears only in Production mode
14. Servos turn on/ status on
15. Position feedback for each axis with 2 digits after decimal
16. With Cycles=1 and default move parameters, press Reset then Start. Verify start button illuminates for duration of motion

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Jog-Zero Screen

17. Jog buttons function and are impulsive
18. One decimal place for Vel with unit mm/s
19. Thousands separator on Accel/Decel with unit mm/s²
20. Range reasonable for Vel, Acc Dec (enter -1 and error displays range)
21. Spin reasonable for Vel (10), Acc Dec (100)
22. Set Zero button functions and impulsive
23. Set Zero OK and Position Valid illuminated for all axes

Auto Screen / Symbols

24. Cycles, Complete, and Remaining have suitable format and correct function
25. Velocity and Acc/Dec have suitable decimal point and min/max
26. Pos X,Y,Z with reasonable range including negative values
27. Delay displays correctly with unit as ms or sec
28. Symbols represent the machine layout. Animation is optional.
29. Motor feedback symbol displayed on a popup window

Recipe Screen

30. Save a "default" recipe with 1 cycle and default velocity, Acc/Dec, PosXYZ
31. Save a "fast" recipe with about 10x higher cycles, velocity, Acc/Dec and PosXYZ.
32. Run the "fast" recipe to confirm motion is affected.
33. Confirm function of Stop button during motion
34. Export each recipe to CSV
35. Delete all recipes then import from CSV and save again
36. Select and activate each recipe

Alarm

37. Produce "start pressed with zero cycles remaining" alarm
38. Alarm indicator turns on with alarm
39. Create alarm A.D00 on each axis X, Y, and Z
40. Clear servo axis alarm using the button in Setup screen
41. Alarm message text displays correctly
42. Display alarm history during active alarm
43. Reset all alarms with ACK-RESET in the Alarm Screen

Total Score: _____

Instructor Signature: _____