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Setting the motor encoder zero position on HMC 500 & 600 Indramat Diax 04 drives

Attention: This procedure is for trained service personnel only!

A mistake could cause severe mechanical damage to the machine !

To proceed, the following tools are necessary:

- Keyboard must be attached to the MMI control
- Machine calibration arbor and calibration disk must be available
- Review the technical documentation "Setup of machine absolute zero position"

In MS-DOS mode (only older HMC 500 machines):

1. Close all open windows with "F10" until you are on the black screen
2. Open the "DOS" mode with "F3" and "T"
3. The prompt should show C:\ST002
4. Enter "cd SPE" and <Enter>
5. The prompt should show C:\ST002\SPE
6. Enter "SPE" and <Enter>
7. The "SERCOS Parameter Editor" will open
8. With "F6" select the axis you are working on. Attention! A axis is the default!
9. Open the pull down menu with "F10" and select "group" and "all parameter"
10. Start search mode with "F4"

11. Search for "**P-0-0012**"
12. The display should show "absolute measuring (position) set"
13. Turn the drives off (red button)
14. Push <Enter> to set
15. Push <Enter> to reset
16. Close the SPE with "**Alt & X**"
17. Return to the position page
18. Turn the drives back on
19. Carefully reference the axis with "**All Ref Move**" and the *feed rate set at 5% !!!*

In Windows NT and XP mode:

1. Open "**Start**" – "**HMC500 Power**" – "**Drive Data**"
2. The "SERCOS Parameter Editor" will open
3. With "**F6**" select the axis you are working on. Attention ! A axis is the default !
4. Open the pull down menu with "**F10**" and select "**group**" and "**all parameter**"
5. Start search mode with "**F4**"
6. Search for "**P-0-0012**"
7. The display should show "absolute measuring (position) set"
8. Turn the drives off (red button)
9. Push <Enter> to set
10. Push <Enter> to reset
11. Close the SPE with "**Alt & X**"
12. Return to the position page
13. Turn the drives back on
14. Carefully reference the axis with "**All Ref Move**" and the *feed rate set on 5% !!!*

If the system asks you for a password, enter "pass1"