

## TB015 (Rev1) - Scandisk and Defrag Procedures

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### Overview

**Scandisk** is a utility program that can scan either a hard drive or a floppy disk for bad or corrupted files. Although it doesn't fix every problem, it is a simple procedure that should be considered to help diagnose and correct drive or file management errors.

### Steps:

1. Go to the DOS prompt (the C:> prompt) from the main screen of CNC7 Software. Press the **Ctrl+Alt+X** all three keys at the same time.
2. Run "Scandisk" and DOS will perform a routine check of your hard drive. Type the bold-faced line below, pressing the **ENTER** key at the end of the line.

```
C:\CNC7> scandisk /autofix/nosave/surface
```

The scan disk program will begin running. If there are any errors, you will be notified of what was found to be wrong. Write down any messages that appear on the screen.

**NOTE:** Some computers may not have the scandisk program. In this case, try executing the following command if the error message "bad command or filename" appears when trying to execute the scandisk program.

```
C:\CNC7> chkdsk /f
```

**Defrag** is a DOS based utility program which reorganizes fragmented files on the drive. If you often edit many jobs on the control, you may want to run Defrag occasionally to optimize the use and speed of your hard drive.

3. Run "Defrag" to organize the hard drive. Use the line below.

```
C:\CNC7> defrag c:/b/u
```

4. Reboot the control by shutting down the power, and then turning the power back on after 15 seconds.

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### Document History

Rev1 Created on **1999-08-11**