



Installation & Commissioning Guide

VR CNC Turning 6

TURN 270 PRO, TURN 370 PRO, MICROTURNTURN PRO



Installation & Commissioning Guide

VR CNC Turning 6

TURN 270 PRO, TURN 370 PRO, MICROTURNT PRO

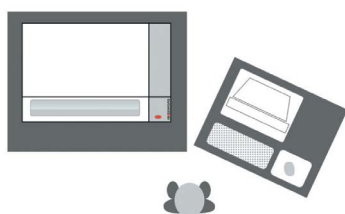
1. UNPACK AND CHECK EQUIPMENT

Before setting up your Denford machine, please check your separate order documentation, making sure that all items have been delivered. Any missing or damaged items should be reported to Denford Customer Services as soon as possible.

2. POSITION MACHINE WITH COMPUTER

Ensure that any inlet / exhaust vents are not covered or blocked.

Plan view showing ideal machine layout and operating positions



Machine Operator

CONNECT POWER AND COMMUNICATION CABLES



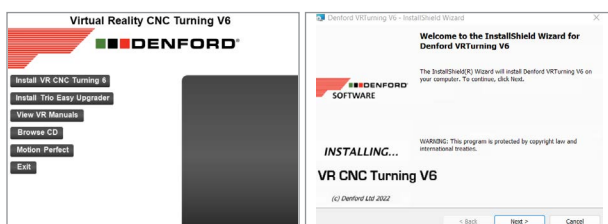
Connect the machine to the computer using the ethernet cable to the RJ45 connector.

If you don't have an ethernet port available on the computer, use the USB to Ethernet adaptor provided.

Turn the Power on.

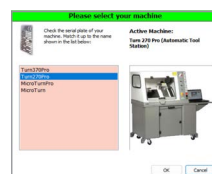
4. INSTALL VR CNC TURNING

Insert the VR CNC Turning CD into the computer. Click on "Install VR CNC Turning 6" and follow "InstallShield Wizard" instructions.

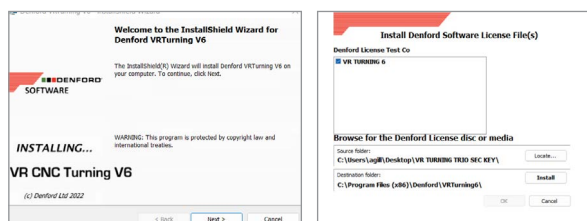


4. INSTALL VR CNC TURNING (cont.)

Select the machine you have purchased.



The license application will run after the installation. The software will check for the **seckey.tff** license file. If it is not found in the current location click **Yes** to browse another location (it is normally supplied on a separate CD).

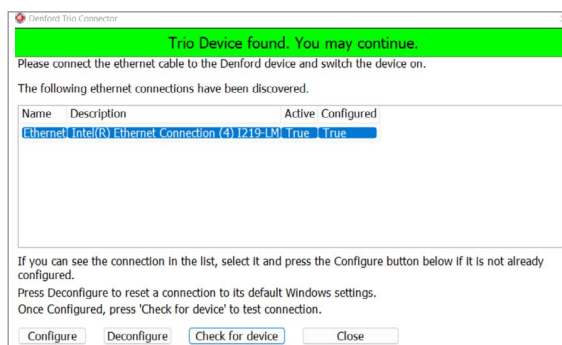


Once you have located the license file, check that the destination directory is correct and click **Install**. You may cancel license installation at any point, as the software will prompt for a license every time it is run.

N.B. Now is a good time to print or copy the machine manual (PDF) from the VR CNC Turning CD and to make a backup of the Licence Code.

5. CONFIGURE MACHINE CONNECTION

Select the connection you require from the list and Press **Configure**.



If you can't see the device, please make sure that the Ethernet cable is connected and that the machine has power to it, then click '**check for device**'.

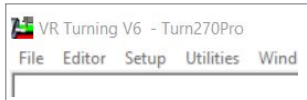
6. RUNNING THE VR TURNING SOFTWARE

The software will be located inside the Denford Applications folder, created on your desktop.
Double-click this to open it.

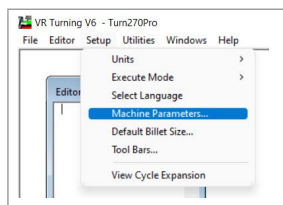


Double-click on the **VR CNC Turning 6** icon to run the software

Check that the correct machine is selected (top left hand corner of software).

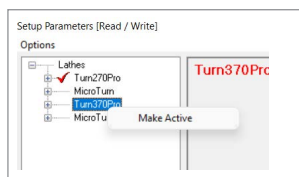


If incorrect go to **Setup > Machine Parameters**.
Password "denny".

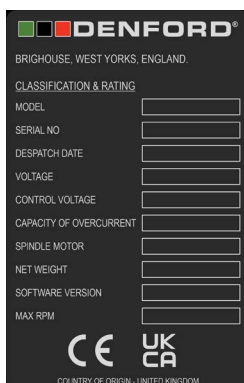


Right click to select the correct machine.

Click **Make Active**.



To check which model of machine you have, refer to the **Serial Plate** on the machine cabinet.

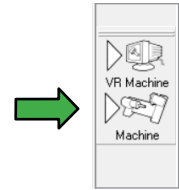


Need more help?

Get help, advice and share designs online:
denforddata.com/bb

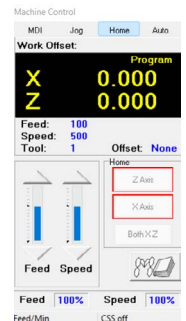
7. TEST MACHINE COMMUNICATION

To test the connection to the machine, press the **Connect to Real Machine** button in the VR Milling software window:

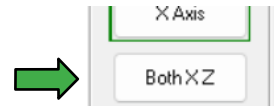


If the connection is OK, then the machine control panel will appear as shown. Check that the status indicator reads **Ready**.

The red border around each axis home button indicates that the axis must be homed before proceeding.

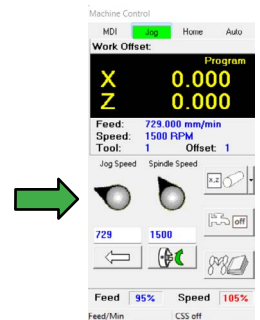


Press **Both XZ** button and the machine will move to its home position.



Press **JOG** button. This will allow you to move the axes around using the **ARROW** Keys.

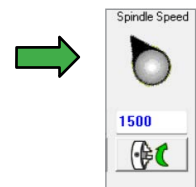
Set the **Jog Speed** and **Spindle Speed** using the dials



Before moving the axes of the machine, slow the feed of the axis movement by rotating the feed rate override button anticlockwise.



To check the machine spindle rotates, please press **spindle start stop** button.



On-Line Technical Forum

TECHNICAL SUPPORT AVAILABLE 24 HOURS A DAY, 7 DAYS A WEEK

Denford's Technical Forum is a free of charge on-line technical support service that is available to Denford customers 24 hours a day, 7 days a week.

"The technical forum has provided a wealth of information and support for our 20-year-old Denford CNC machine, in fact just as good as the support we receive for our brand new CNC Router!"



Denford's On-Line Technical Forum is a free of charge service that can be accessed 24 hours a day, 7 days a week.

The On-Line Technical Forum is available to Denford customers, old and new, and it couldn't be easier to use. Just visit <http://www.denfordata.com/bb/> and register on line.....it's that simple.

Denford's On-Line Technical Forum opens up the traditional communication channels that can restrict customer and technical support, due to availability of staff, teaching commitments or different time zones.

A multitude of topics relating to Denford machines and software (both new and old) are covered within the forum, which is simple to search, and easy to use.

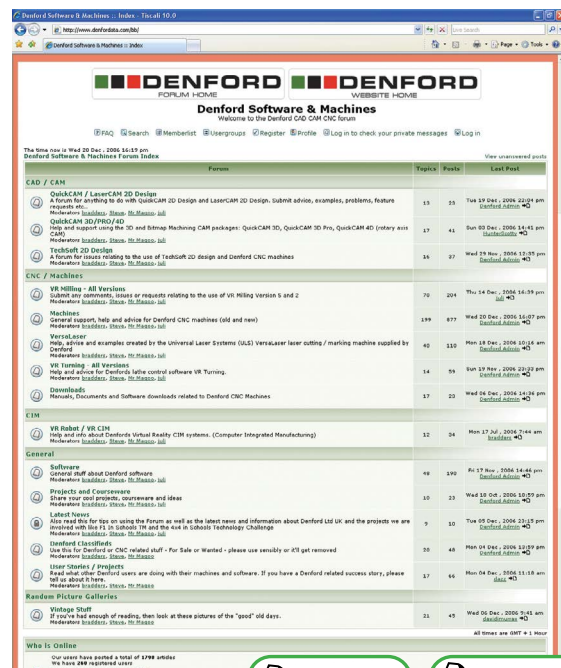
Denford's Technical Team and Denford customers from around the world regularly log on to the forum to offer support and advice and, most importantly, post a solution for all to see.

As well as offering comprehensive technical support, Denford's On-Line Technical Forum enables customers to share ideas and projects with other users. Media such as teaching material, project work, PDF's, images, drawings and text documents are easily attached to messages for all users to view and comment on.

You can also read the latest Denford news before anyone else, and keep track of machine and software upgrades, some of which can be downloaded direct from the Technical Forum web site.

The On-Line Technical Forum has proved to be hugely popular with customers. One recent user posted a note to inform us that the Technical Forum has "provided a wealth of information and support for our 20-year-old Denford CNC machine, in fact just as good as the support we receive for our brand new CNC Router!"

Of course the traditional methods of phone and email are still available, but try out this new service by simply logging on to www.denfordata.com/bb/ and register.



ISO9001 Compliant

Tel: +44(0)1484 728000

denford.co.uk

Denford Limited, Armytage Road, Brighouse, West Yorkshire, HD6 1QF, England



Like us
@DenfordHQ



follow us
@DenfordHQ