CNC900PC
SIMULATION SOFTWARE
CNC90X ON PC

INSTALLATION MANUAL

CNC900PC

721P450

Rev. 02

Date: 12/20/2023

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Introduction

CNC900PC is the software that allows the simulation on a Personal Computer of the "900 series" ECS CNCs.

The SW is licensed free of charge without performance limitations, with a deadline of 3 months starting from its installation; for use after this limit it is necessary to purchase the USB unlock key (product code: E_121V056) by contacting BDF Digital (https://www.bdfdigital.com/); the hardware license key is unique for any product variant (mill, lathe, etc..)

Upon installation, you obtain a system with a pre-configured basic configuration, which differs depending on the product variant installed (CNC901PC=Milling Machine, CNC902PC=Lathe, etc.).

BDF Digital provides assistance for the installation, configuration and use of the CNC900PC SW only to customers in possession of the licensed version.

System requirements

•WINDOWS 10 (recommended, operation on previous versions is not guaranteed)

•RAM 4GB or more

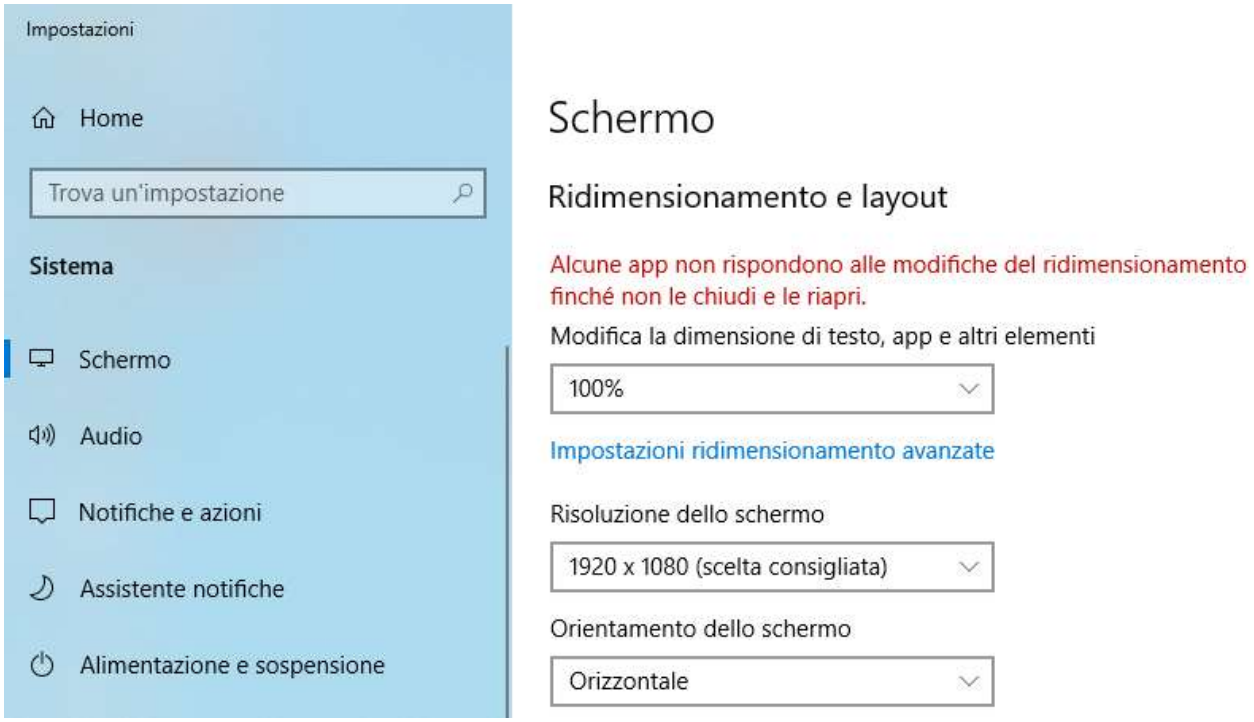
•Hard Disk 32GB or greater

•Screen resolution 1024 x 768 or higher

NOTE: The display ratio is affected by the two parameters “Scaling and Layout”, i.e

“Screen resolution”

“Change the screen size”



If the display of CNC simulator screens is cut off by the physical size of the screen, adjust one or both these parameters.

Installation

Installation Procedure

Installation files are released by BDF Digital on a USB stick, or available for download with URL

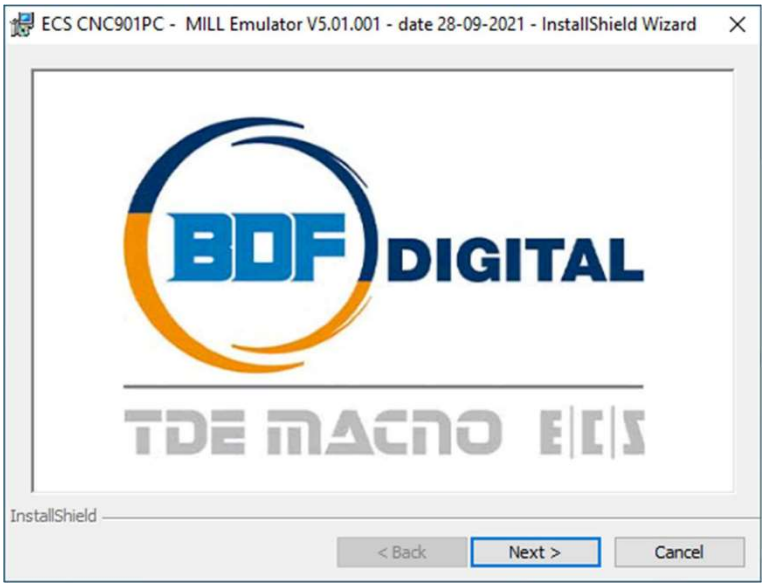
www.dropbox.com/sh/f24blxi2u529f6j/AAABfH5gSW1-Ov8q_PclL9F-a?dl=0

The installation folders and files are divided according to the progressive version number, and identified according to the product variant:

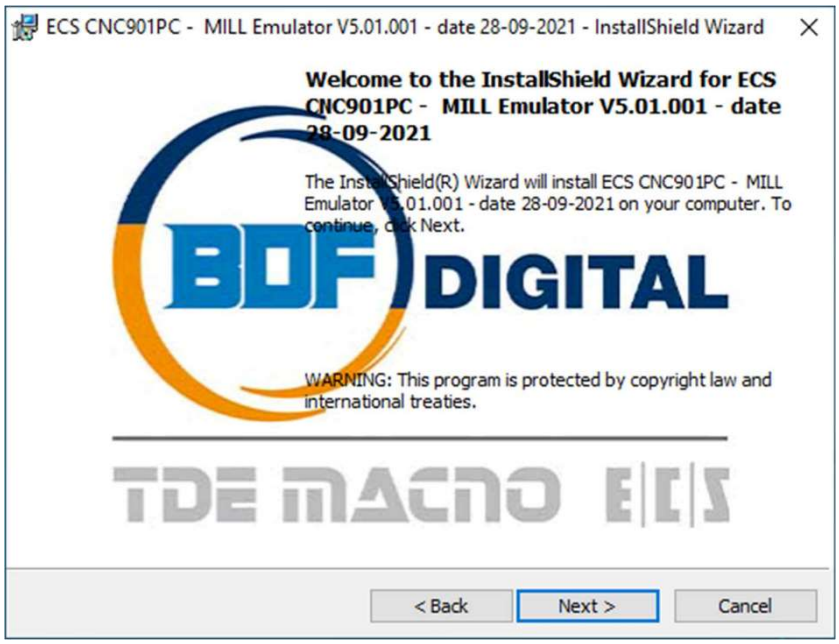
CNC/SIMULATOR NAME	TECHNOLOGY
CNC901PC	Cutter
CNC902PC	Lathe
CNC904PC	Fold
CNC905PC	Cutting (oxyfuel, plasma, waterjet)
CNC915PC	Laser cut

Download the desired Setup file, and start the installation with a double click – then follow the following installation steps:

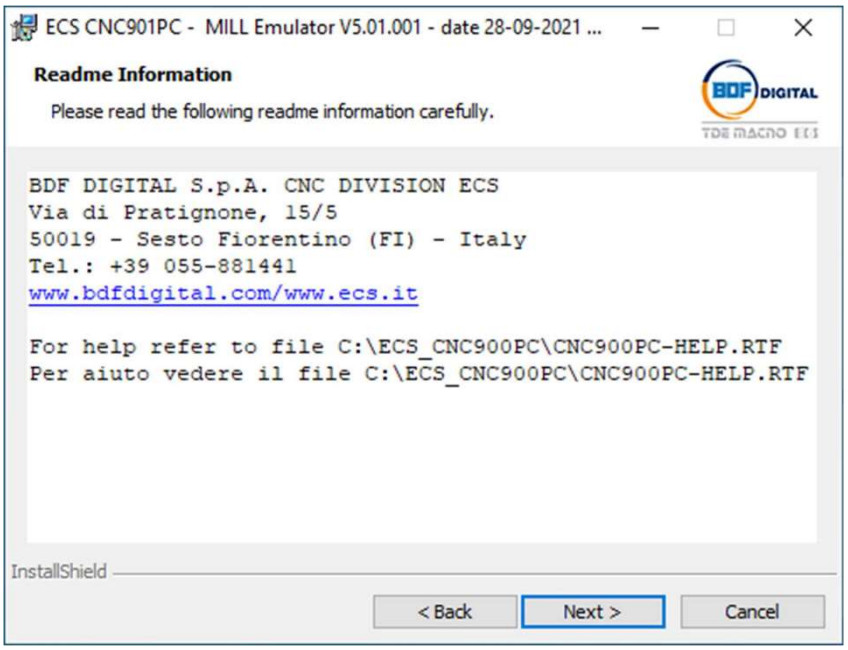
1. Start installation, press Next



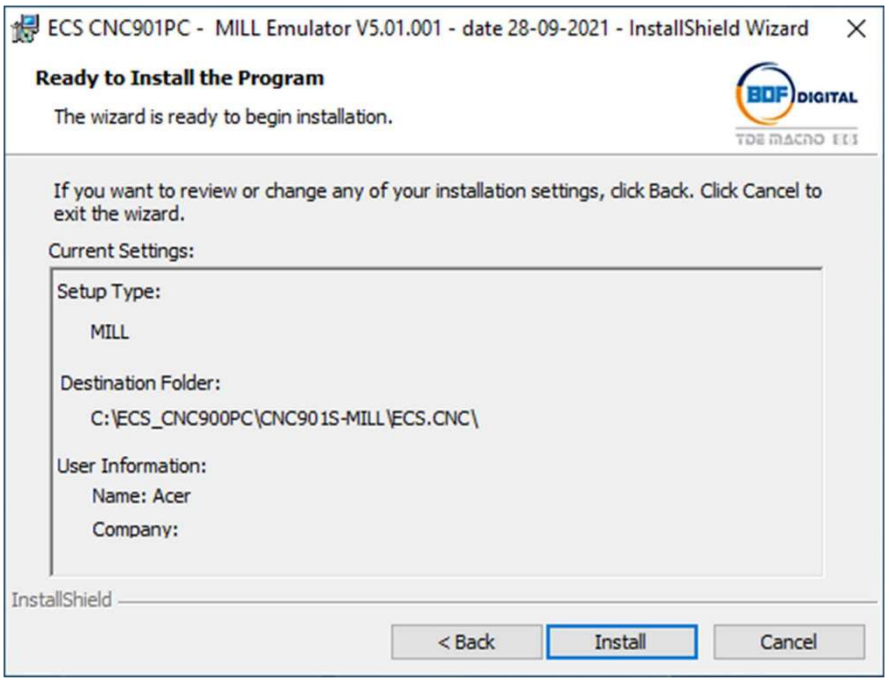
2. Installation, press Next



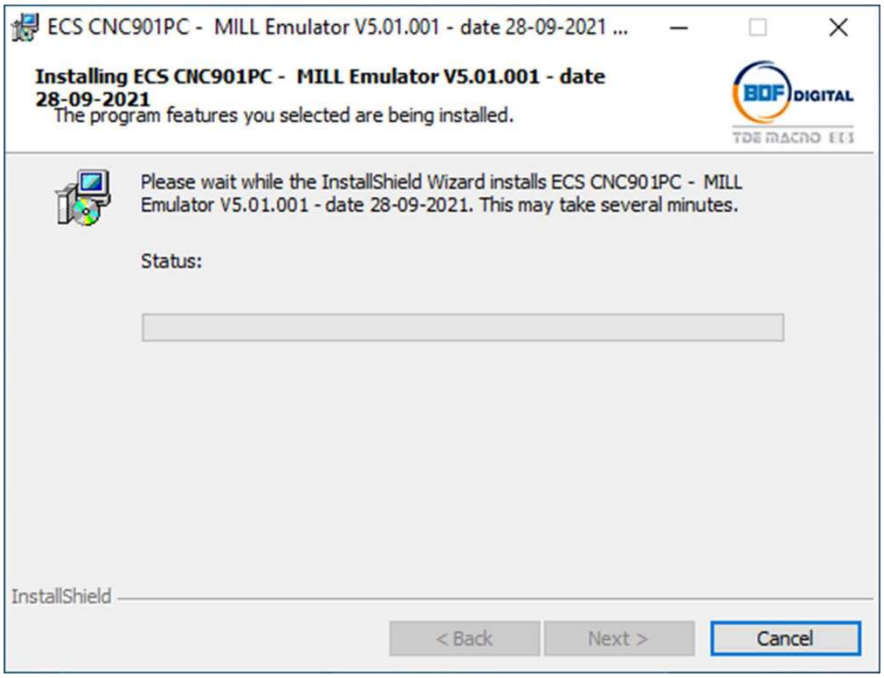
3. Information window, press Next



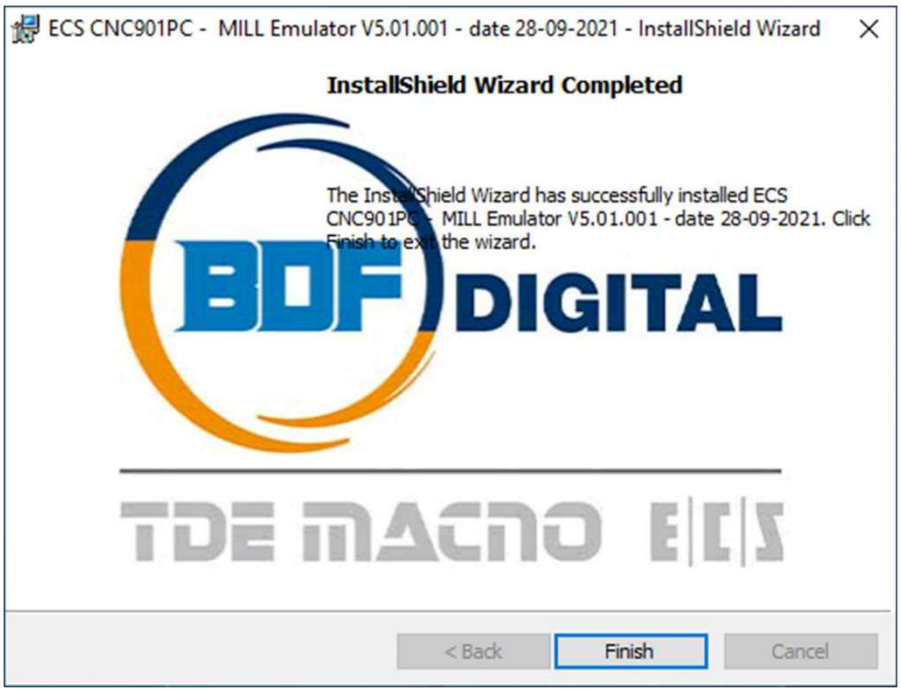
4. Summary, press Install



5. Installation in progress



6. Installation complete, press Finish



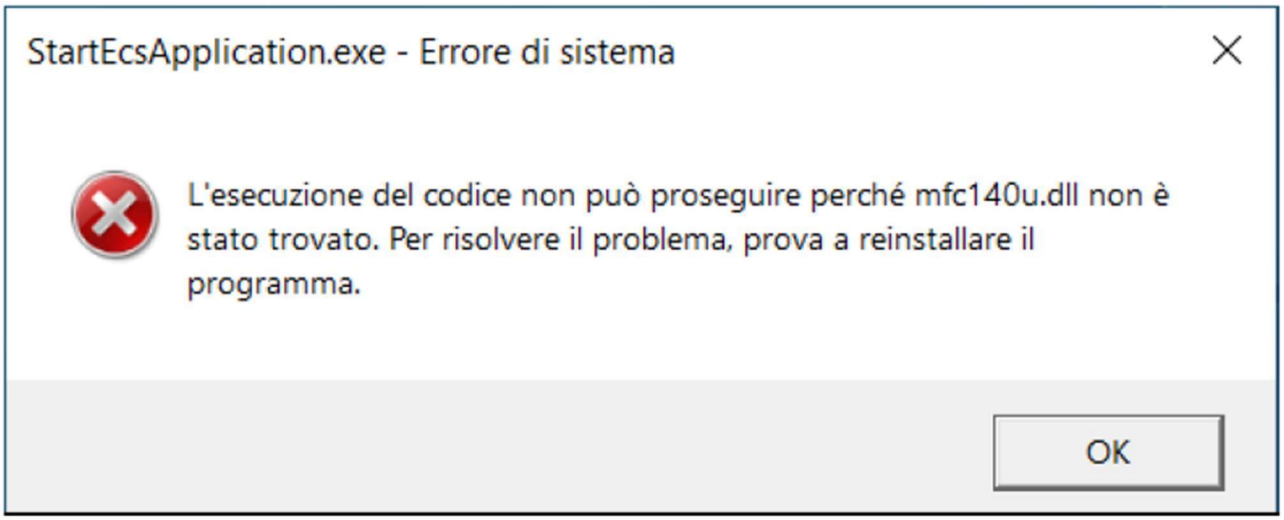
Once the installation procedure has been completed, the icon related to the installed system will be present on the desktop



To launch the CNC90xPC simulator, double click on the icon related to the desired product (Mill, Lathe, etc..)

Installing additional components

Depending on the version of Windows installed, some additional .DLL files may need to be installed; in this case, when starting the simulator, the following error message may appear.



To solve the problem, you need to install

VCRedist 2015-2019 14.29.30133

Available on the USB key or in the download containing the simulator installation software

Basic operations

Starting the simulator

To start the CNC90xPC simulator, double click on the icon related to the desired product (Mill, Lathe, etc..)



The screen related to the selected product variant appears (Mill, Lathe, etc..)



At the first start it will be necessary to SET the axes by selecting specific axes or ALL, then OK



Then click on the START button



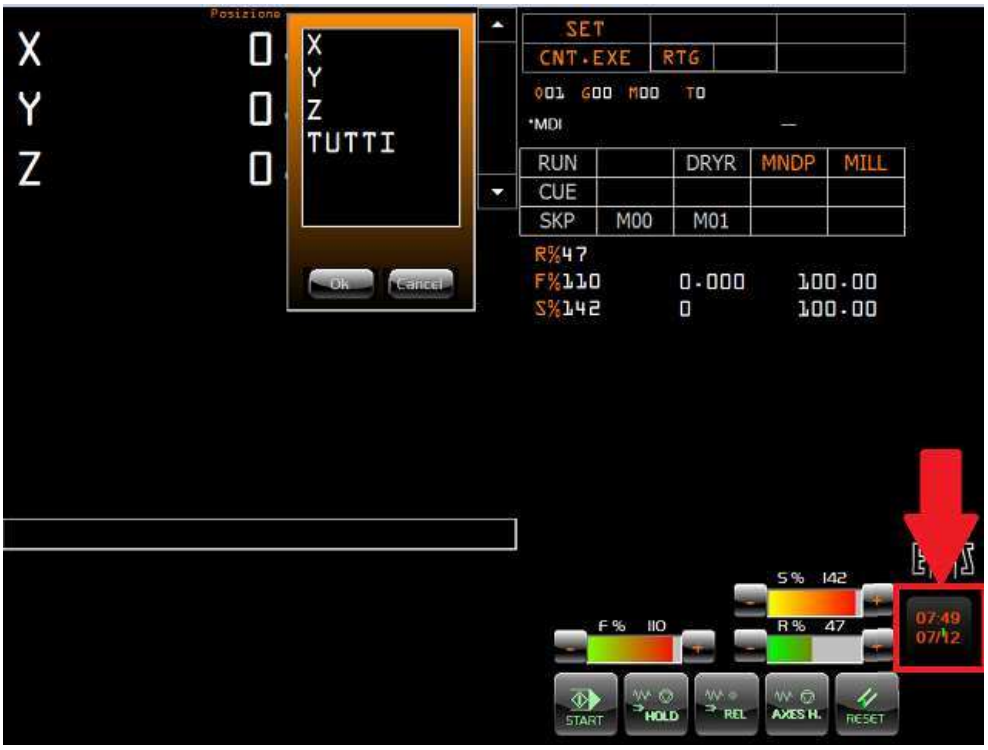
CNC900PC fully simulates the CNC900S series ECS CNCs.

For use, programming and operation, please refer to the relevant CNC manuals.

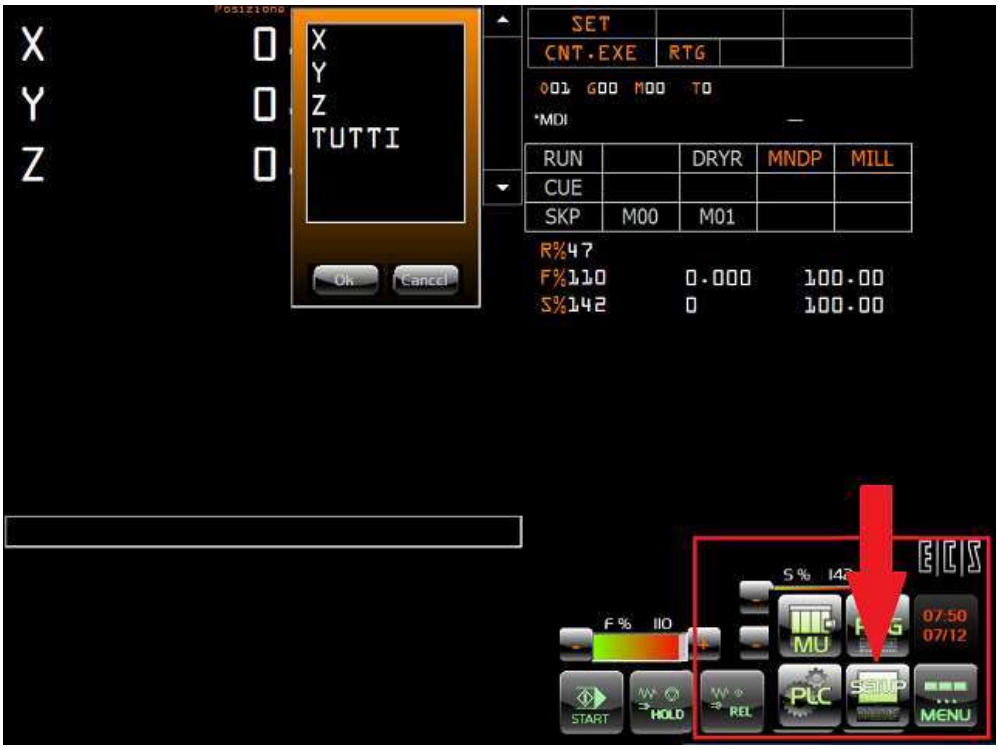
Closing the simulator

To stop the simulator

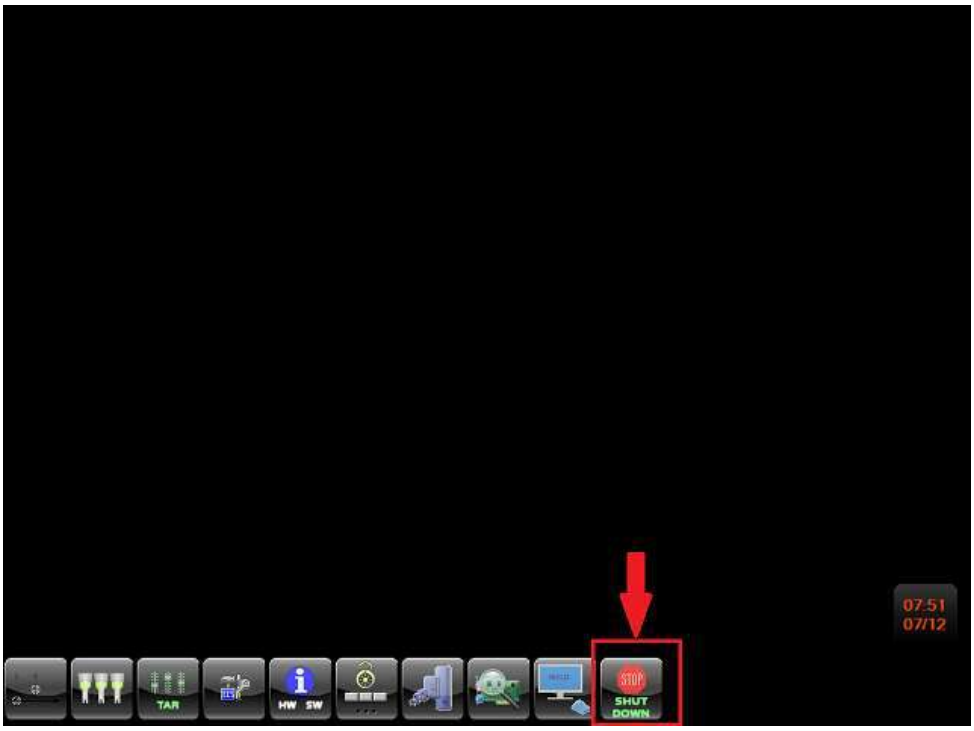
1. Click on the date&time icon



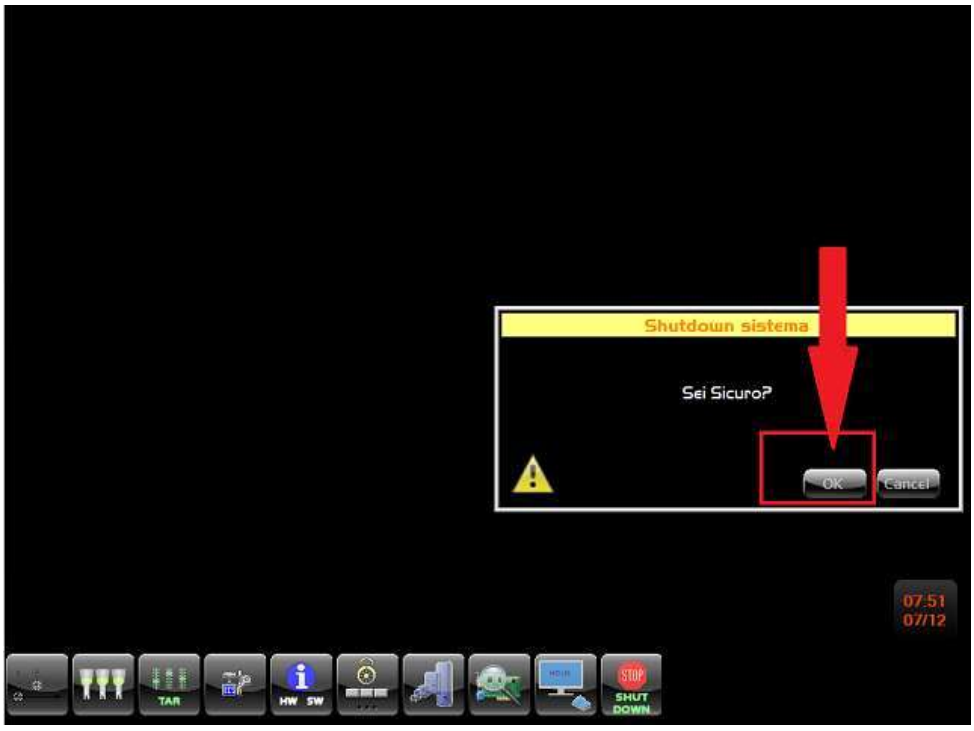
2. Click on the SETUP icon



3. Click on the SHUTDOWN icon



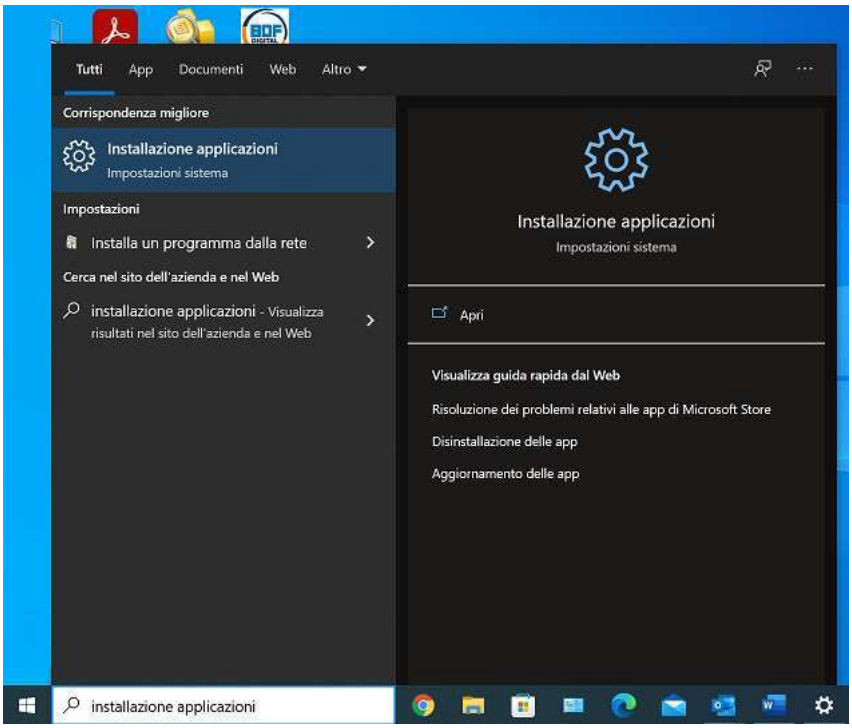
4. Click on the OK button



Uninstallation Procedure

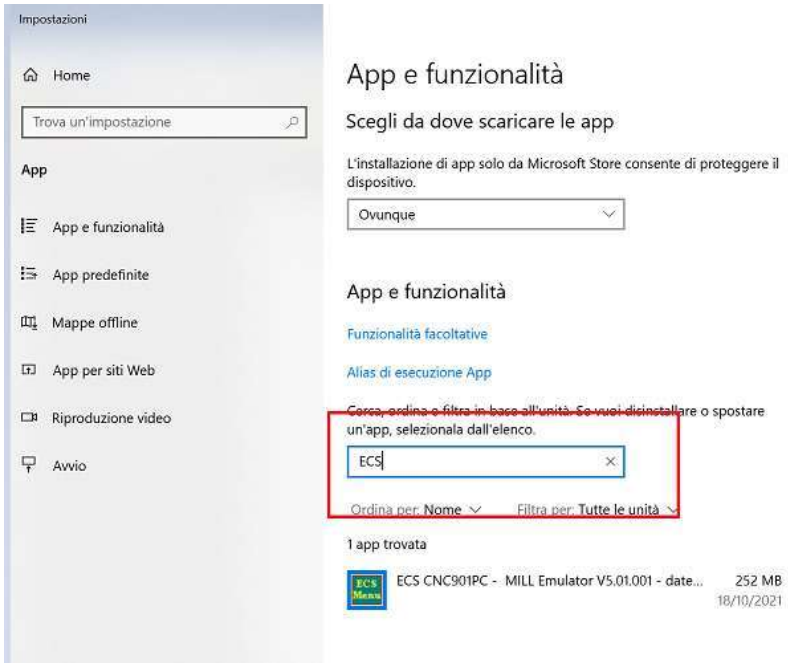
The CNC900PC software will be present in the list of installed Windows applications

1. Open the Windows Start menu and type “Add or Remove Programs”



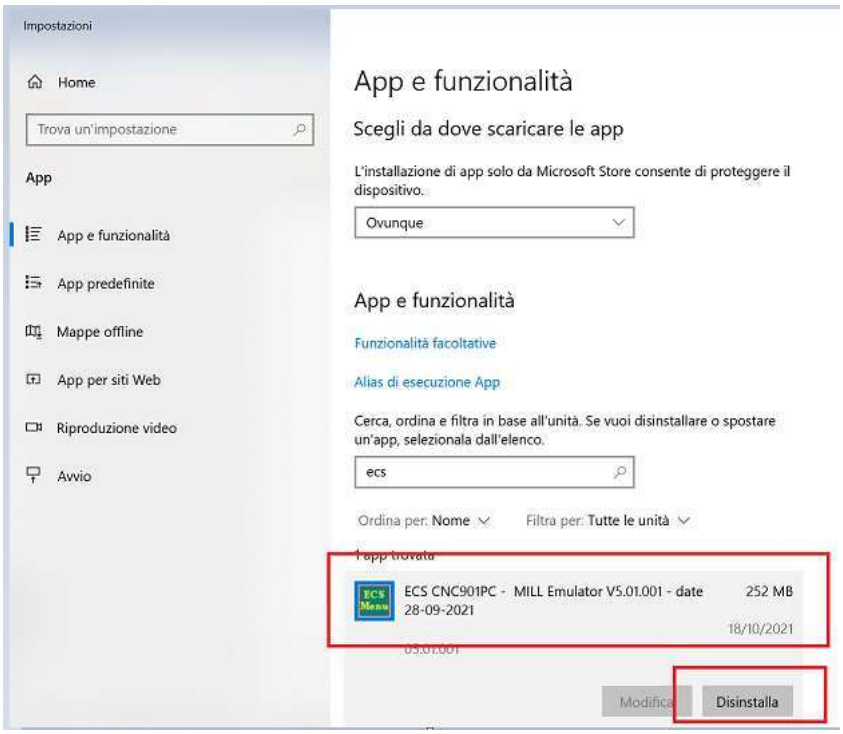
2. Select Apps & Features

3. Locate the simulator software



4. Click on the CNC900PC app

5. Choose Uninstall



NOTE:

It is not possible to install more than one simulator on the same PC – if you want to use a different variant, you must first uninstall the version already present on the target PC.