

First Time Installation on Windows XP & Windows 2000

- Power ON your PC. If your PC is already ON, close all programs.
- Click Start, then Printers and Faxes.
- Click Add Printer, then Next.
- Choose Local Printer and uncheck Automatically detect and install my Plug & Play printer.
- Click Next. Use the following Port (LPT1) should already be selected. We recommend that you attach the laser system to this port. Click Next.
- Click Have Disk, insert the disk containing the printer driver, then click Browse. Locate the ULS2000.inf file, click Open, and then click OK.
- Choose your model from the list. If you are unsure of your model's name, turn on the laser system and the model name will appear in the control panel display while the system is initializing. The name can also be found on the serial tag found on the backside of the machine. Click Next.
- Based on installation history, Windows may ask you to Keep Existing Driver or Replace Existing Driver. **ALWAYS** choose Replace Existing Driver, and then click Next.
- The printer name dialog box will appear. **DO NOT RENAME** the printer as this may make it inoperable. Choose to whether or not you would like it to be your default printer and click Next.
- Select No to "Do you want to print a test page" and then click Next.
- Click Finish. Windows Logo Testing warning will appear. This does not apply to the laser system so click Continue Anyway.
- After the driver finishes installation, store your printer driver disk in a safe place for future reference.

Notes

- Windows 2000 users MUST install at least Service Pack Release version 2 in order to operate the laser system printer driver otherwise the computer will crash every time you attempt to print.
- Corel 8 is not completely compatible with Windows 2000 or XP. Some versions of 9 also have problems, especially printing text. We suggest that you upgrade to at least version 10 or 11 for the best results.
- Corel 9 & 10 will need service pack 1 and service pack 2 to be loaded in order to operate with Windows 2000.
- If you have not already upgraded your software and your operating system with these service releases, we HIGHLY recommend that you install these patches BEFORE installing and using the ULS Printer Driver otherwise you may have problems using your laser system.
- You will find more installation information located in each README.TXT file that can be found in the appropriate folders on this disk.

For more information regarding the service release upgrades, please contact the software manufacturer.

CorelDRAW: www.corel.com

Microsoft: www.microsoft.com

Printer Driver Upgrading (Windows 2000)

1. Reboot your computer to insure the driver is not in use. This is mandatory!
2. Delete the following files:

```
C:\WINNT\system32\spool\drivers\w32x86\3\ULS.PCD
C:\WINNT\system32\spool\drivers\w32x86\3\ULS2000.DLL
C:\WINNT\system32\spool\drivers\w32x86\3\ULS2KUI.DLL
C:\WINNT\system32\spool\drivers\w32x86\3\ULS_DEU.HLP
C:\WINNT\system32\spool\drivers\w32x86\3\ULS_ENG.HLP
C:\WINNT\system32\spool\drivers\w32x86\3\ULS_ESP.HLP
C:\WINNT\system32\spool\drivers\w32x86\3\ULS_FRA.HLP
C:\WINNT\system32\spool\drivers\w32x86\3\ULS_ITA.HLP
C:\WINNT\system32\spool\drivers\w32x86\3\ULS_NED.HLP
```

If you receive an error message that a file cannot be deleted because it is "in use" reboot and try step #2 again. Do not proceed until you can delete all of the above files.

3. Go to Start Menu-> Settings -> Printers

Delete ALL ULS printer models that are installed in the list. You can either right-click and select Delete, or highlight the model and press the delete key. Deleting the printer model cleans up the registry for that model.

4. Reinstall printer driver. It should not be necessary to reboot if step #2 and step #3 were followed without errors.

- Go to Start Menu -> Settings -> Printers.
- Click Add Printer, then Next.
- Choose Local Printer and uncheck Automatically detect and install my Plug & Play printer.
- Click Next. Use the following Port (LPT1) should already be selected. We recommend that you attach the laser system to this port. Click Next.
- Click Have Disk otherwise the driver may not update the files, insert the disk containing the printer driver or wherever you stored the new driver, then click Browse. Locate the ULS2000.inf file, click Open, and then click OK.
- Choose your model from the list. If you are unsure of your model's name, turn on the laser system and the model name will appear in the control panel display while the system is initializing. The name can also be found on the serial tag found on the backside of the machine. Click Next.
- Based on installation history, Windows may ask you to Keep Existing Driver or Replace Existing Driver. **ALWAYS** choose Replace Existing Driver, and then click Next.
- The printer name dialog box will appear. **DO NOT RENAME** the printer as this may make it inoperable. Choose to whether or not you would like it to be your default printer and click Next.
- Select No to "Do you want to print a test page" and then click Next.
- Click Finish. Windows Logo Testing warning will appear. This does not apply to the laser system so click Continue Anyway.
- After the driver finishes installation, store your printer driver disk in a safe place for future reference. You do not need to reboot.

Printer Driver Upgrading (Windows XP)

Windows XP includes a new "feature" which makes it almost impossible to go back to an OLDER driver once you install a newer one. These instructions will let you change to any driver version, even an old one if you wish.

1. Reboot your computer to insure the driver is not in use. This is mandatory!
2. You must be logged into windows XP as an administrator so you can add/remove printers.
3. Assuming windows XP was installed into the recommended default directory: C:\WINDOWS. If you installed it into a different directory or upgraded from windows 98 it may be in a different location.

Delete the following files:

```
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS.PCD
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS2000.DLL
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS2KUI.DLL
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS_DEU.HLP
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS_ENG.HLP
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS_ESP.HLP
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS_FRA.HLP
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS_ITA.HLP
C:\WINDOWS\system32\spool\drivers\w32x86\3\ULS_NED.HLP
```

If you receive an error message that a file cannot be deleted because it is "in use" reboot and try step #3 again. Do not proceed until you can delete all of the above files.

4. Browse to this directory: C:\WINDOWS\system32\spool\drivers\w32x86

!! WARNING: Do NOT delete the "2" or "3" subdirectories as they may contain printer drivers for other printers you have installed!!

Delete all subdirectories that are ULS printer models (SUPERSPEED_660 etc.)

These directories are "secret" backup copies of the last driver you installed. If you do not delete these directories, it may be impossible to install an older driver, because windows XP will secretly use the newer driver instead.

5. Go to Start Menu-> Printers and Faxes

Delete ALL ULS printer models that are installed in the list. You can either right-click and select Delete, or highlight the model and press the delete key. Deleting the printer model cleans up the registry for that model.

6. REBOOT windows XP. You cannot just log off & back on. THIS IS REQUIRED.
7. Reinstall printer driver.

- Click Start, then Printers and Faxes.

- Click Add a Printer, then Next.
 - Choose Local Printer and uncheck Automatically detect and install my Plug & Play printer.
 - Click Next. Use the following Port (LPT1) should already be selected. We recommend that you attach the laser system to this port. Click Next.
 - Click Have Disk otherwise the driver may not update the files, insert the disk containing the printer driver or wherever you stored the new driver, then click Browse. Locate the ULS2000.inf file, click Open, and then click OK.
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- Choose your model from the list. If you are unsure of your model's name, turn on the laser system and the model name will appear in the control panel display while the system is initializing. The name can also be found on the serial tag found on the backside of the machine. Click Next.
 - Based on installation history, Windows may ask you to Keep Existing Driver or Replace Existing Driver. **ALWAYS** choose Replace Existing Driver, and then click Next.
 - The printer name dialog box will appear. **DO NOT RENAME** the printer as this may make it inoperable. Choose to whether or not you would like it to be your default printer and click Next.
 - Choose whether you want to share this printer across a network or not, then click Next.
 - Select No to "Do you want to print a test page" and then click Next.
 - Click Finish. Windows Logo Testing warning will appear. This does not apply to the laser system so click Continue Anyway.
 - After the driver finishes installation, store your printer driver disk in a safe place for future reference. You do not need to reboot.

DISCLAIMER

ULS is not responsible for other computer problems that may occur as a result of these upgrades.

ULS provides no warranties whatsoever on any software used in connection with a ULS Laser Engraving System, express or implied. Neither does it guarantee software compatibility with any off-the-shelf software package or any software program that has not been written by ULS.

In no event will ULS be liable for any damages caused, in whole or in part, by customer, or for any economic loss, physical injury, lost revenue, lost profits, lost savings or other indirect, incidental, special or consequential damages incurred by any person, even if ULS has been advised of the possibility of such damages or claims.