

# SDP-01

---

User's Manual



Professional degaussing System

---

# Contents

1	Product Overview .....	3
2	Using the Operating Manual .....	3
2	Safety Instruction .....	4
3	Operation Guidance .....	5
1.	BARCODE READER .....	9
2.	THERMAL PRINTER .....	9
-	CONNECTION BETWEEN DEGAUSSER AND COMPUTER .....	12
5	SECUVIEWER .....	14
6	Cleaning and Maintenance .....	20
7	Troubleshooting .....	20
8	Disposal/Recycling .....	21
9	Accessories .....	21
-	Thermal printer .....	21
●	10.2 Scanner .....	21
10	Technical Parameters .....	21
11	Warranty .....	22

## 1 Product Overview

To our distinguished guests:

Thank you for using our professional degaussing system SDP-01 (hereafter referred to as **SDP-01**) !

The SDP-01 is used to completely eliminating the information and data from computer's hard disk, floppy disk, magnetic tape, and many other magnetic supports.

The professional degaussing system has been certified:

- ★ First pass technical evaluation by State Secret Bureau
- ★ First pass technical detection by Institute of Physics, Chinese Academy of Sciences, China
- ★ Pass testing by National Institute of Metrology
- ★ Pass authentication the Military information security product

SDP-01 has passed the technical appraisal and unit certification by Chinese State Secrecy Bureau.

## 2 Using the Operating Manual

Please read the Manual carefully and follow the operation steps for a proper usage of the SDP01.

The instructions and/or notes on the product define the safe working practices, correct procedures and skills required to service the machine correctly. Please read them carefully before using the machine for the first time.

When using the manual do not tear or remove pages from the manual, or overwrite any parts for any reason. Keep it in safe place protected from excess heat and humidity. We recommend to follow all the warnings and instructions in this manual scrupulously, as the effectiveness of the machine depends on the correct use of the information contained herein.

If you run into difficulties or set back, DEPEI will be happy to provide you with the necessary advice and assistance. DEPEI declines any liability for any injury or damage resulting from incorrect or unsuitable operations.

Please ensure that any amendments or updates you may receive are kept the original version of this manual.

Shanghai Depei Security Technology Co., Ltd. reserves the right to make any modifications aimed at improving its products without prior notification.

## 2 Safety Instruction

- SDP-01 and Printer should be installed in a flat and stable surface;
- Keep enough space around the SDP-01 and Printer for operation and maintenance;
- Keep away from water sources and avoid to be in direct contacts of sunshine, highlight and heat sources;
- Do not use and keep the SDP-01 and Printer in high temperature, high humidity or serious pollution place/ environment.;
- Avoid to put the SDP-01 and Printer in shock and vibration place;
- Do not allow moist air to dew on the surface of the SDP-01 and Printer. Do not turn on the power before condensation disappeared if it has already formed;
- Connect the power adapter of the SDP-01 and Printer to a proper grounded socket. Avoid using the same socket connected together with large motor or other devices which may lead to mains voltage fluctuation;
- Please switch off the power source if not used for long time;
- Prevent water or conducting substance ( e.g. Metals ) from entering into the SDP-01 and Printer. Shut off the power immediately if it occurs;
- Printer can not be used if there is no paper, otherwise, it will seriously damage the printing rubber roller and the print head;
- Turn off the power when you connect or disconnect each interface to avoid damage to control circuit;
- Advise users to set print density as low as possible to meet print effect requirements and avoid affecting the service life of print head;
- Do not disassemble, repair or modify the system by yourself, request for specialized technician intervention.

### 3 Operation Guidance

CD screen displays :

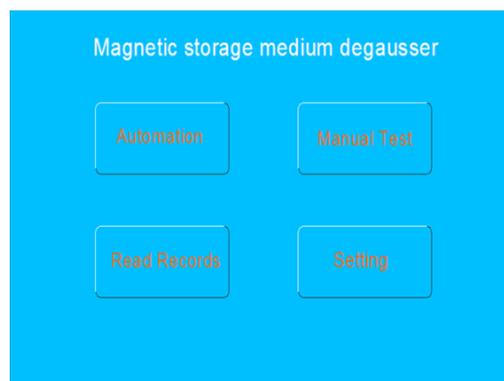
- AUTO (standard) mode,
- Manual (test) mode,
- record inquiry,
- system setting,
- working state,
- the charging voltage,
- magnetic field intensity and
- date information.

The System is able to store up to 2500 records. When the system reaches 2500 records will add the new records and cancel the oldest one.

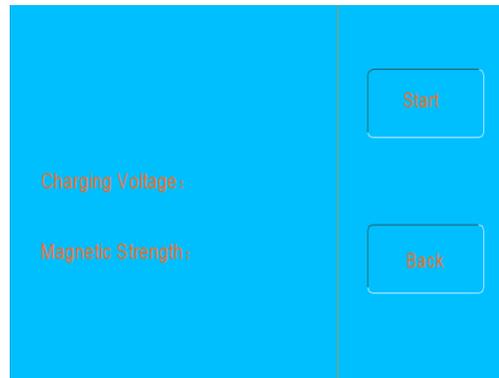
- ✓ AUTO MODE: The Degausser will charge, degauss and record the process information in a single passage.
- ✓ MANUAL MODE: “testing mode” state, mainly testing the working status and process of charging and discharging in two separate steps to verify the status of the two main degausser module

#### SDP-01 Operation

Turn on the switch behind the machine. The screen displays:

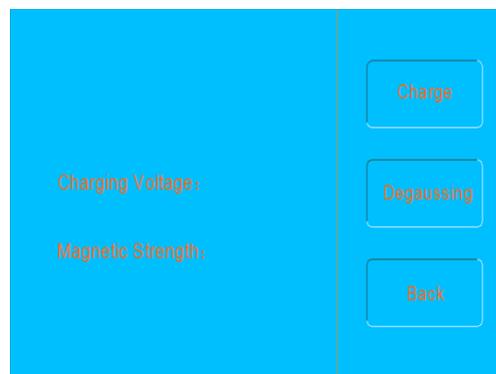


- Press “AUTOMODE” on the screen, then the system enter into auto-degaussing mode, the screen displays:



The screen displays “ Start”, “Back” . By pushing the button “START”, the screen began to show charging process. Once the Degausser is fully charged (about  $430V\pm 5V$  ) the discharge will occur automatically (Single “bang” sound occur) The sound indicates that degaussing has been successfully. Voltage value and magnetic field intensity of degaussing process will be showed on the screen. Press “Start” to repeat the process. Press “Back” button to exit AUTO MODE, screen back to the main menu.

- Press “Manual Test” menu to enter into manual degaussing interface, the screen displays:



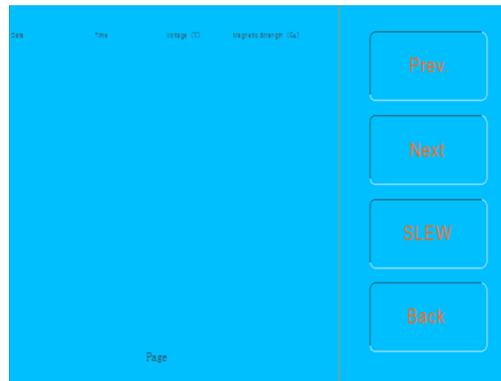
The screen displays “ Charge”, “Degaussing” “Back” .

Press “Charge” to verify the charging module’s status. When the charging voltage risen to about  $430V\pm 5V$  the screen will show “Completely charged”.

Press “Degaussing” , after the system is completely charged, a “bang” sound indicated that degaussing has been successfully. Voltage value and magnetic field intensity of the single degaussing process is showed on the screen.

Press “Back” button to finish the work and the screen back to the main menu.

- Press “Read Record” on the Main screen to enter into records screen.



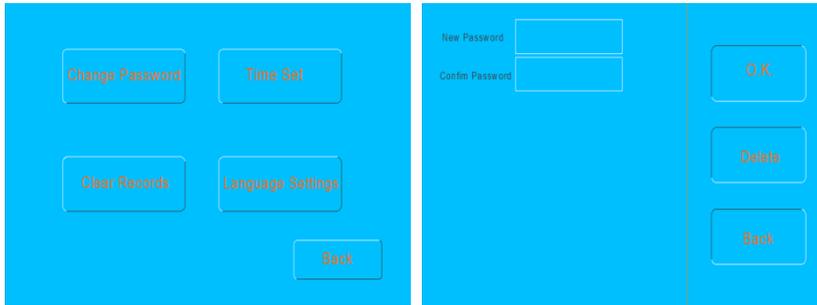
The screen displays:

- RECORDS: Voltage (V)、Discharge Power 、 date and time.
- Press “Prev” can show earlier date record. Press “Next” can show latest date record. Press SELECT (Pages) to select record page, Press “Back” to back to the main menu.
- Press “SYSTEM SETTING” on the screen to enter into System Setting, the screen displays:



The screen displays: Password Field、 O.K.、 Delete、 Back. Enter the password of system in password field (default code: **1111**) and press“O.K.”to confirm. Press “Delete” to clear . Press “Back” to back to the main menu.

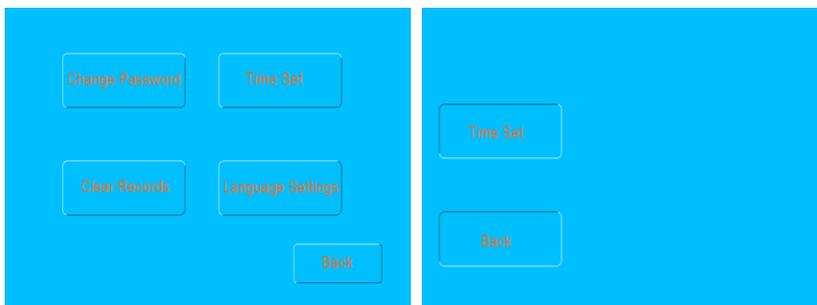
- Press “Change Password” to change the system setting access password, the screen displays:



- Press “Clear Records” to clear all the stored degaussing records, the screen displays:



- Press “Time Set” from the settings menu, the screen displays:

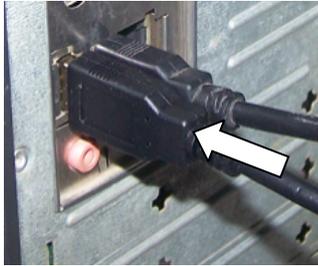


- Press “Language Settings” menu to select a language:



## 4 BARCODE KIT INSTALLATION FOR DEGAUSSER SDP-01

### 1. BARCODE READER



#### ***Installation:***

Connect the USB cable of the barcode reader to the USB port of the computer directly. The driver will be installed automatically, making it possible to use the reader immediately after the installation.

#### ***Usage:***

Scan the barcode label of the support to be degaussed, after hearing a “bip” sound the barcode will be recorded by the managing software and will be displayed on the computer screen.

### 2. THERMAL PRINTER



Picture A

#### ***Power cable installation:***

Make sure that the printer's power switch is in the off position.

Insert the cylindrical input plug of the power adapter (24VDC – see Picture A above) into the power port on the back panel of the printer, after connecting the power cord with a power adapter if necessary. Then apply power.

**Interface cable connection:**

Make sure that the printer's power switch is in the off position.

Insert the DC output plug of the power adapter into the DC jack on the back panel of the printer.

Connect the other side of the interface cable to the USB port of the computer.

**Paper roll insertion:**

Open the printer cover by pressing the latch button on the right side (see figure A).

Insert the printer scroll spindle into the hole of the thermal paper roll (see figure B).

Insert the thermal labels roll in the direction as shown (see figure C - labels facing up), then insert the roll into the two side guides of the printer and pull on the leading edge towards you by several centimeters.

If you use a thermal labels roll with a 3" ID core, use the two spindle adapters provided before inserting the roll.



Figure A

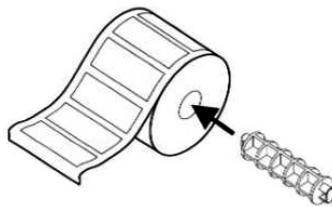


Figure B

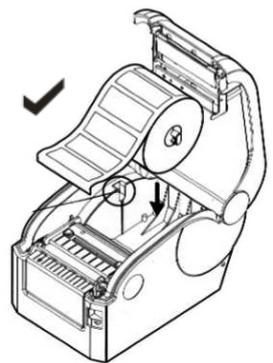
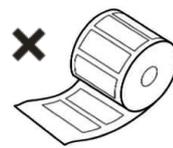
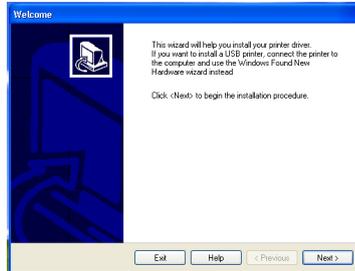


Figure C

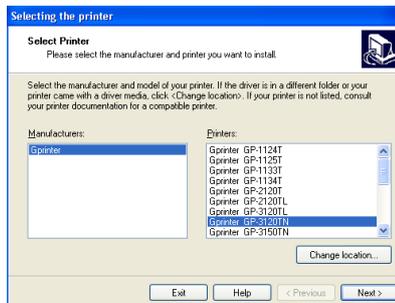
## Driver installation (GP-3120TN)

Select the file PrnInst.exe from the folder “GP-3120TN printer driver” and double-click to run it.

As shown in the figure below,



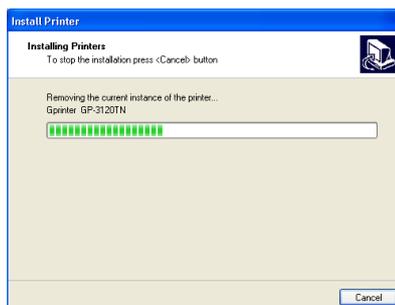
click “Next”.



Select the printer “Gprinter GP-3120TN” from the list and click “Next”.



then, select “USB001” from the available ports and click “Finish”.

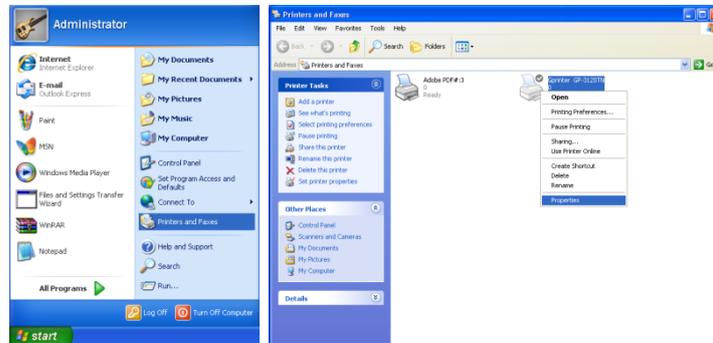


The driver installation of GP-3120TN printer is complete.

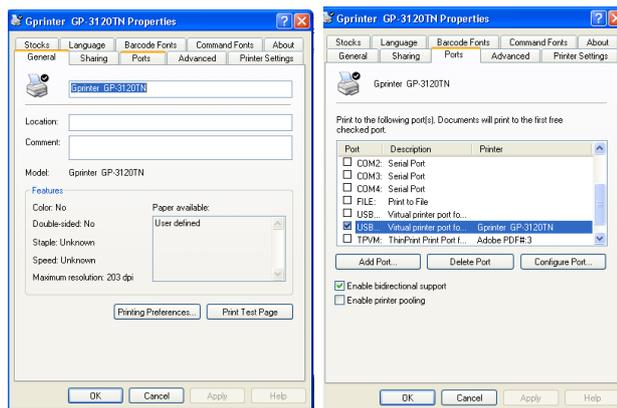
### Use of the printer GP-3120TN

Select the printer GP-3120TN as the default printer from the dialog box “Printers and Faxes” from the menu Start:

Then, open the printer properties as shown below.



Select the menu “Port”, find a proper USB interface and confirm it.



### - CONNECTION BETWEEN DEGAUSSER AND COMPUTER

*Note:* Use the pink cable RS 232 shown in the picture below. Do not connect the devices before driver installation.



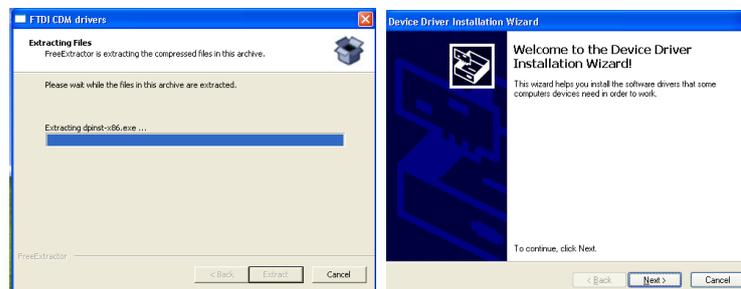
### Driver installation (CDM20828) :

Select the file CDM20828\_Setup.exe from the folder “USB to serial port driver” and double-click to run it.

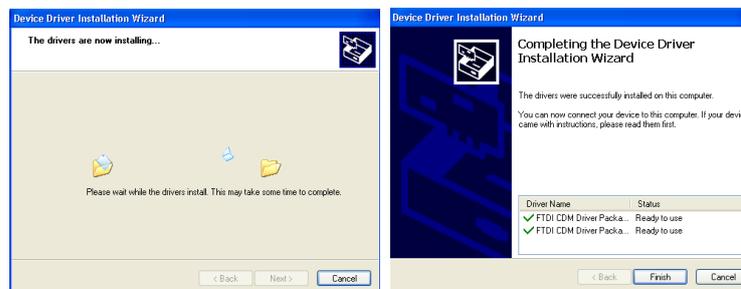
As shown in the figure,



click “Extract”,



then, click “Next”.



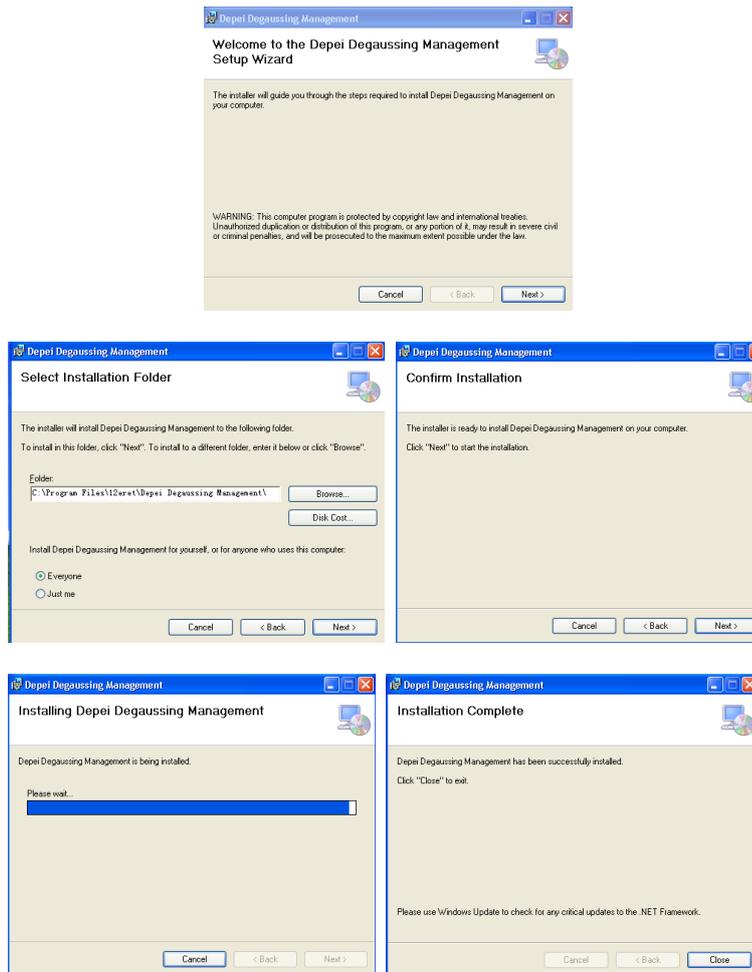
After few minutes click “Finish” to complete the installation.

## 5 SECUIVIEWER

### **Software installation:**

Select the file setup.exe from the folder “Depei Degaussing Management English V2.0” and double- click to run it.

Installation process is shown in the following figures:

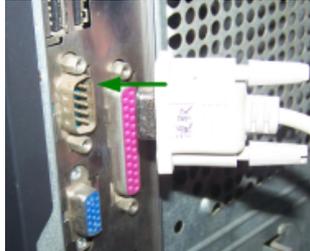


At the end click “Close” to complete the installation.

### Online communication:

Online communication is used to manage degaussing data through the management software.

1. Connect the degausser to the computer using the serial interface cable RS 232 (see the picture below).



2. Switch on the printer.
3. Double-click the software icon
4. Log in as follows:



default username is: admin

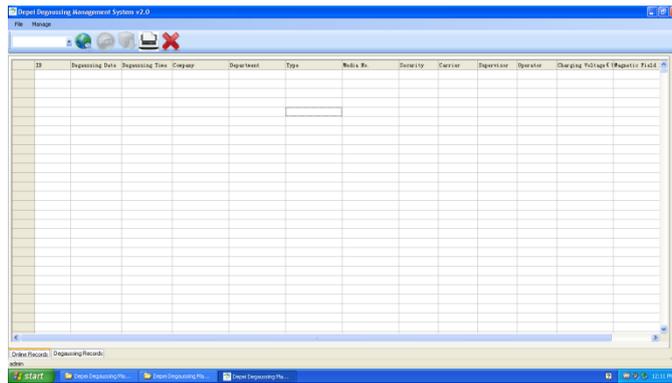
default password is: 1111

*Note 1:* The administrator password can be modified.

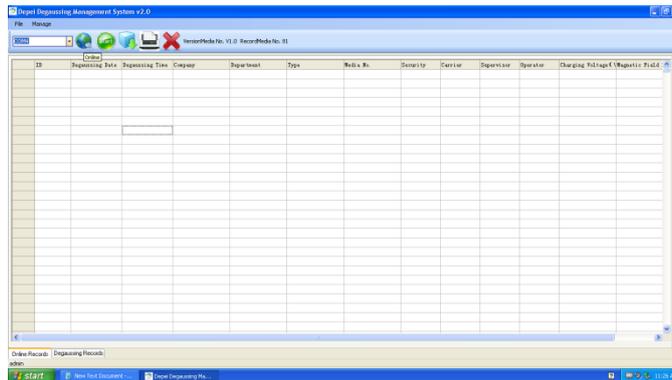
*Note 2:* If you cannot log in and a failure message appears, it depends on the compatibility between the software and the operating system of the computer. Select program properties. It will open a dialogue box. Select the menu "compatibility", flag the box "compatibility mode" and select from the drop-down menu your current operating system/service pack. Close the dialog. Now open the software again and fill username and password as indicated before.

5. After entering the software user interface, select the correct port (COM1/COM2/COM..), then click the online icon





6. If all the icons become clickable, it means that the online communication is on.

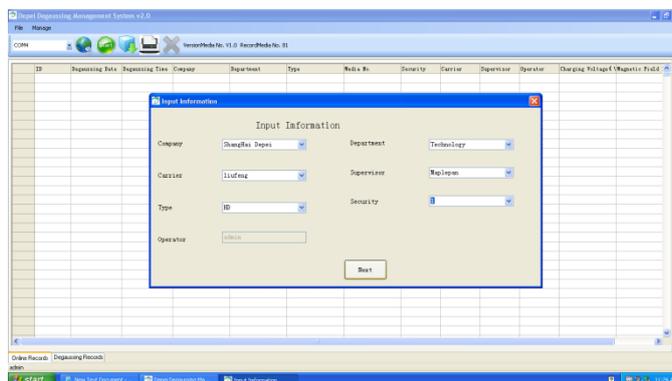


## Usage

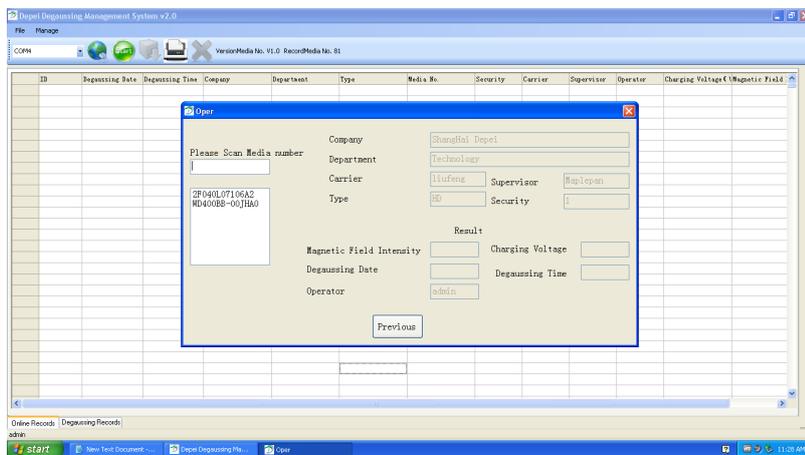
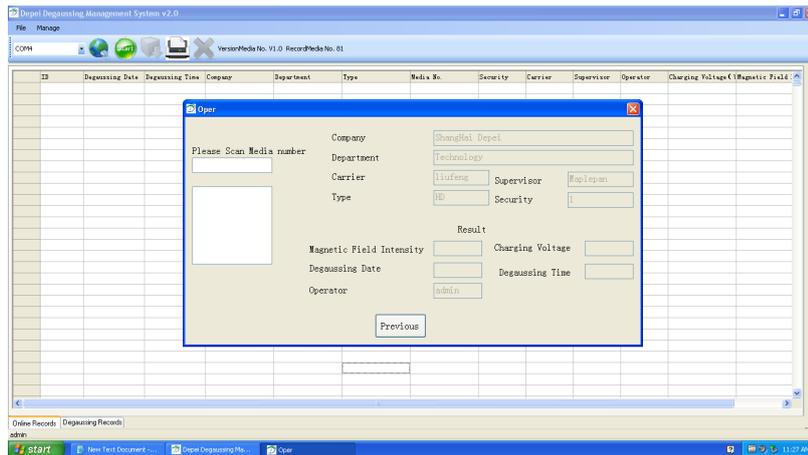
 Please restart the program and degausser if you cannot read data correctly.

1) Use the online software to complete printing steps.

Click  in the main menu,

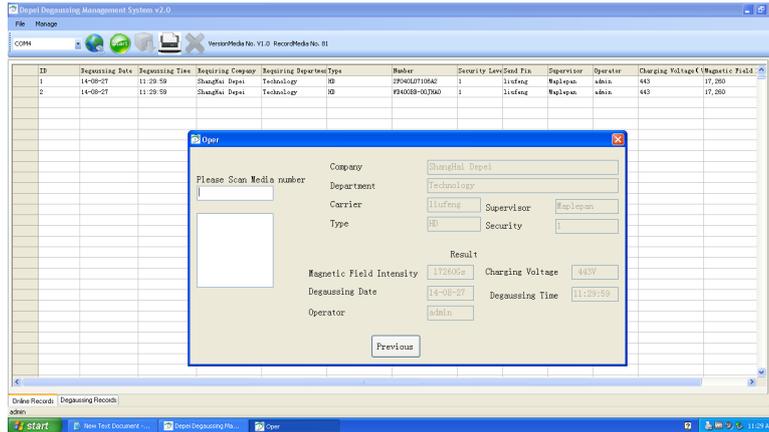


fill information such as "company" "department" etc., then click "Next".

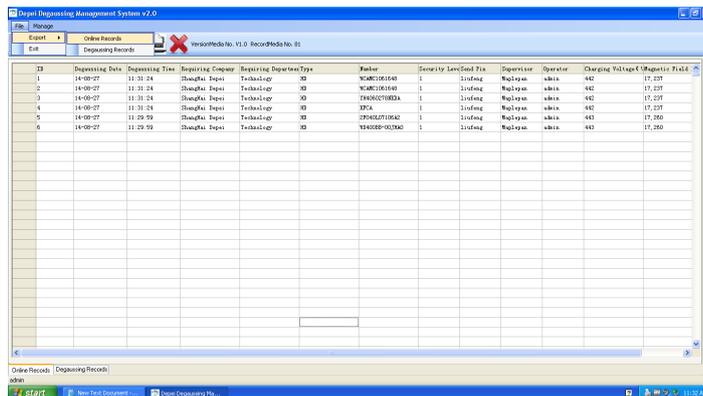


If the barcode reader and printer are also connected to the degausser, you can scan the magnetic support serial number, degauss and print a tracking label sequentially. Specific process is as follows:

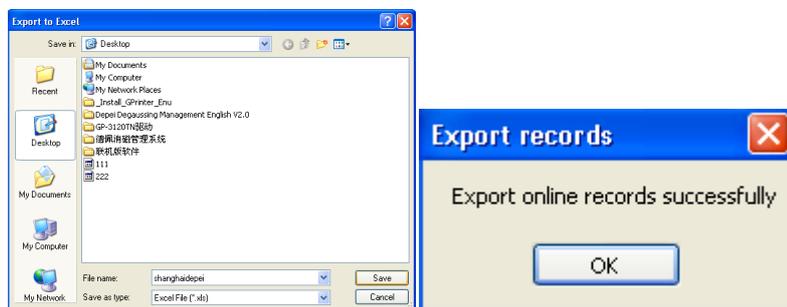
- First step: scan the bar code serial number of the support to be degaussed with the reader. The software will record it in the corresponding field of the dialog box.
- Second step: put the support into cassette of the SDP01, push “Start” then it will work automatically until the process completion.
- Third step: Just after the degaussing process completion, the printer will automatically print a label including both degaussing parameters and manually filled information. In case you need to degauss more than one support per time, the printer will print a label for each support scanned with the bar code reader.



The software will automatically record the online degaussing record. If you need to degauss other supports do not exit from the above interface. Scan and degauss until you finish working and then close the dialog box.



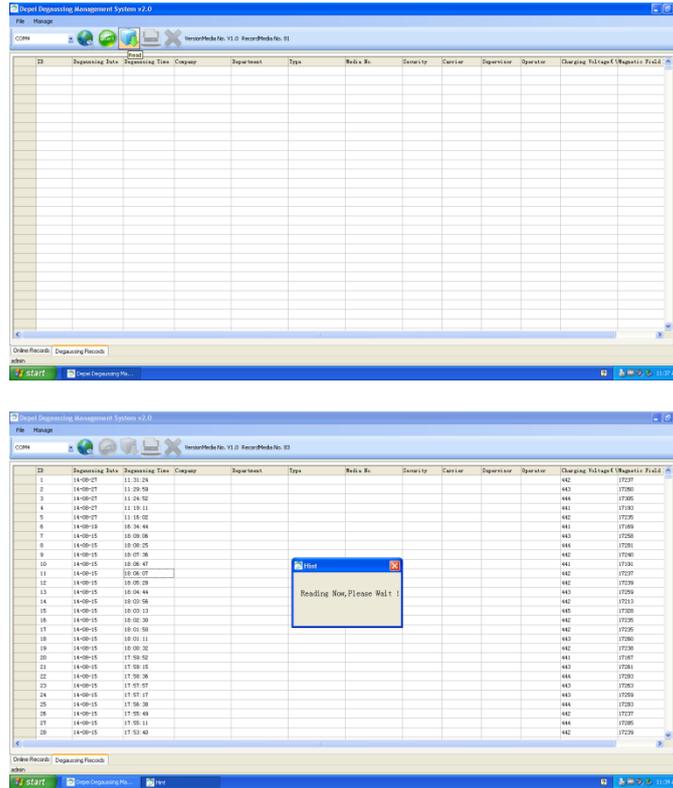
- Forth step: to export the online degaussing records click “File”----“Export”----“Online Records” export to .xls file.
- 



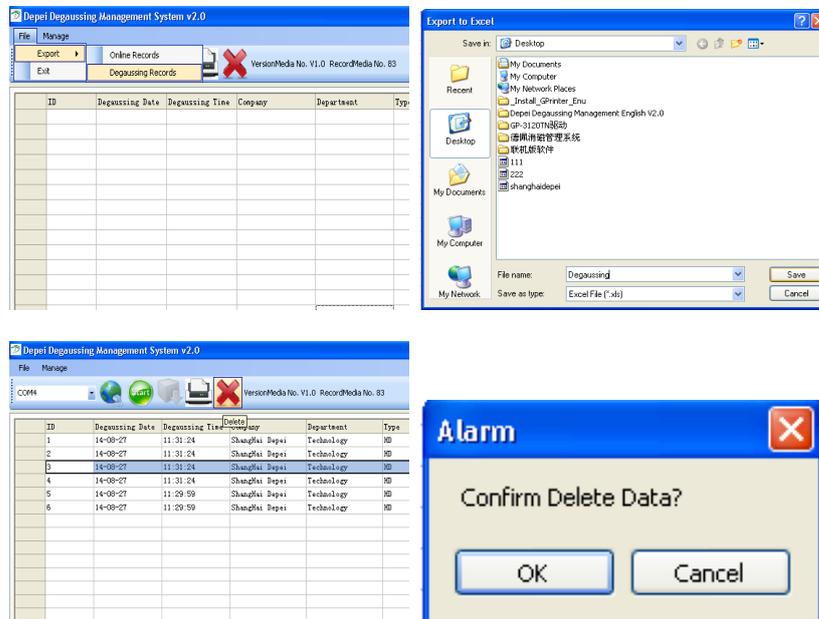
2) Use the online software to read the degaussing records in the computer.

Click  button.

Click  if the button turns to gray, click  again.

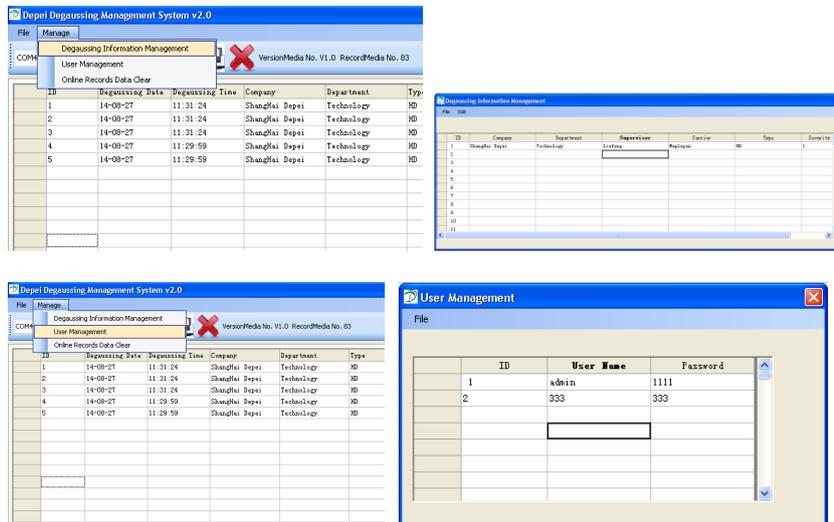


You can export or delete degaussing records stored on the software through this procedure, it does not clear the internal records of the degausser. If you want to remove data from the device, you should operate directly on the degausser.



- Software settings.

Click “Manage” from the main menu, it appears the submenu: “Degaussing Information Management” and “User management”. You can modify the parameters of each submenu.



- Print.

After setting the GP-3120TN as the default printer, click  to print label directly.

## 6 Cleaning and Maintenance

The machine must test periodically once every year since the date of delivery in order to guarantee good performance (according to relevant standards).

In order to maintain the normal use of the machine, you must start up the machine and use about 10 minutes in every month, in case of long period of no use. This can ensure the stability of product's performance.

## 7 Troubleshooting

Please contact customer service or technical support of your nearest authorized dealer or our company as soon as possible in the machine is not properly working.

## 8 Disposal/Recycling

Use proper method to dispose of the machine or its components at the end of its service life, according to current local laws and regulations. Use the collection points for returning and recycling electric and electronic devices. The incorrect disposal can be dangerous to health and environment.

## 9 Accessories

### - Thermal printer

- Provide thermal printing method;
- Pressure of print head is adjustable;
- Paper automatic calibration function;
- Temperature adaptive control;
- Connect with degaussing SecuViewer directly, out-as-you-print, no wait;

### ● 10.2 Scanner

- Infrared automatic scanning operation;
- Connect to USB interface of computer to default install, without any other operation;

## 10 Technical Parameters

Field Strength: magnetic field strength in degaussing from the center  $0\pm 7$  cm of the effective degaussing cavity is not less than 15000Gs.

Volume: 460\*310\*227mm

Weight: 18kg

Only need 15~20 seconds per cycle

Ideal for hard drives, floppy disks, tapes, cards and other magnetic media supports.

Degaussing voltage is  $430V\pm 5V$ .

Startup the machine to charge, the voltage rise to  $440V\pm 5V$  needs 20 seconds.

The best working environment temperature is  $0^{\circ}\text{C}\sim 20^{\circ}\text{C}$ .

Work environment relative humidity is less than 80% .

Magnetic field strength in degaussing space from the center  $0\pm 7$  cm of the SDP-01 is not less than 15000Gs.

Power supply: AC  $220V\pm 10\%$ ; Frequency: 50Hz; Power: 300W.

Connect to computer via a RS232 serial line to read the degaussing records. Use printer to print labels and erasing records.

SDP-01 has the function of low voltage alarm. Degaussing does not be recorded when the charging voltage is below the setting.

## 11 Warranty

- The product is warrant for one years under normal use conditions.
- Service charge and spare parts will be charged after the warrany period expires.
- The following circumstances will not be included in the warranty:
  - Label damaged, disassemble by non-professional and technical personnel of our company;
  - Failure or damage caused by wrong or improper usage of the degausser
- If damage results from improper use and disassemble by non-professional and technical personnel , maintenance flat cost is charged.
- Warranty is to be considered ex work Bologna – Italy or Shanghai depending on the agreement.