



# CRUNCH 250 HARD DRIVE DESTROYER



ZZ201220, ZZ201222

Rev. 16

**VS SECURITY PRODUCTS LTD**

**CRUNCH 250**  
Hard drive destroyer

**OPERATING MANUAL**  
PRODUCTION STANDARD

**ZZ201220 – 230V 50Hz/60Hz**  
**ZZ201222 – 115V 60Hz**



**WARNING**

**TO AVOID ELECTRIC SHOCK HAZARDS, THE COVER SHOULD ONLY BE REMOVED BY AUTHORISED PERSONNEL**

**CAUTION**

**DO NOT ATTEMPT TO CRUNCH ANYTHING THAT IS NOT COVERED BY THE LIST OF ACCEPTABLE MEDIA ADVISED IN THE SPECIFICATIONS SECTION OF THIS DOCUMENT.**

**IMPORTANT**

**THE POWER ON/OFF SWITCH USED ON THIS EQUIPMENT IS NOT AN ISOLATING SWITCH. IT IS RECOMMENDED THAT THIS EQUIPMENT SHOULD BE OPERATED FROM A SEPARATE SWITCHED ISOLATOR.**

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- (c) All questions, comments or concerns with respect to this Agreement shall be directed to: VS Security Products Ltd, 17 Pegasus Court, North Lane, Aldershot, Hampshire, GU12 4QP, UK ([www.veritysystems.co.uk](http://www.veritysystems.co.uk)).

#### 9. Updates

VS Security Products Ltd may from time to time release new versions of the Software. If you wish to be notified when a new version of the Software is released, you must return the enclosed registration card by email to [sales@vssecurityproducts.com](mailto:sales@vssecurityproducts.com). All new versions or releases which are provided to you shall be considered part of the Software and shall be governed by the terms of this licence agreement.

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This document refers to CRUNCH 250 part no's;

ZZ201220 240/220volts      50Hz/60Hz  
ZZ201222 115volts          60Hz

## SECTION 1: SPECIFICATION

<b>MEDIA DESTROYED:</b>	SATA, PATA, SCSI, Fibre Channel, Notebook/Laptop Hard Drives (3½" and 2½" all formats and types up to 1.66 height) 2½" Format and Solid State Drives (SSD's)
<b>CRUSH TIME:</b>	9 seconds (continuous operation)
<b>DESTRUCTION CAPACITY:</b>	Per hour: 250 Full Height drives or 500 Laptop Hard Drives typical
<b>POWER SUPPLY:</b>	115v 60Hz or 220v-240v 50Hz/60Hz
<b>POWER CONSUMPTION:</b>	4A 115v 60Hz or 2A 220v-240v 50Hz/60Hz
<b>OPERATING ENVIRONMENT:</b>	Temperature: 41°F – 104°F (5°C – 40°C) Humidity: 10 to 80% (non-condensing)
<b>MOUNTING:</b>	Free standing table top
<b>PACKED DIMENSIONS (W x H x D)</b>	26" x 19" x 15" (69cm x 50cm x 40cm)
<b>WEIGHT:</b>	74lbs (34 kg)
<b>SHIPPING WEIGHT:</b>	86lbs (39 kg)
<b>COMPATIBLE OPERATING SYSTEMS :</b>	windows 11, Windows 10
<b>CONNECTIVITY:</b>	Bi Universal serial Bus. 2.0 Full Speed (USB)



### ENVIRONMENTAL PROTECTION

Waste electrical products should not be thrown away with household waste.  
Please recycle where facilities exist.  
Check with your local authority or retailer for recycling advice.

VS Security Products reserves the right to amend or modify the specifications and design criteria applying to these products

## SECTION 2: BOX CONTENTS

Carefully remove your VS Security Products Crunch 250 from its shipping carton and verify that all parts are present. If there are missing or damaged parts contact **VS Security Products Ltd** or an authorised distributor immediately. If damage has occurred in transit the shipping company must be informed immediately. The carton and packaging should be retained for use in the event that the unit requires transit for any reason.

You should find the following:

- ⇒ Crunch 250
- ⇒ Mains Power Lead
- ⇒ 2x Adapter type A (pre-loaded in Destruction Chamber)
- ⇒ 2x Adapter type B
- ⇒ Debris tray (pre-loaded in the Crunch 250)
- ⇒ Manual & Warranty Card
- ⇒ USB Cable
  
- ⇒ Optional - Barcode Scanner (if ordered)
- ⇒ Optional - Label Rolls (if ordered)
- ⇒ Optional - Verity Systems DD Imager (if ordered)
- ⇒ Optional - M.2 SSD Adapter (if ordered)

## SECTION 3: HARDWARE INSTALLATION

**Care should be taken when moving/handling the Crunch 250.**

### 3.1 Unpacking

The Crunch 250 is shipped inside a cardboard packing case. Unpack the Crunch 250 carefully by disassembling the packing case and inspect it for signs of physical damage. If damage is apparent, a claim should be filed with the carrier immediately.

Once you have exposed the Crunch 250, you can carefully remove it from the packing box.

### 3.2 Positioning

Position the Crunch 250 on a hard flat surface at a comfortable working height. Ensure there are no obstructions to any of the air flow grills which are situated on both the left and right hand sides of the unit, and also underneath it. Ensure the operating environment is within the limits shown on page 5.

### 3.2 Power Wiring

Power connection is made to the **CRUNCH 250** in the form of an IEC type electrical lead (supplied). The user should ensure that their power supply meets those outlined on page 5.

### Pre-loaded items

Check that there are two pre-loaded Type A Adapters in the Destruction Chamber and that the Debris Tray is situated in the bottom of the chamber. In the event that any of these items is missing contact your supplier before operating the unit.

## SECTION 4: INTRODUCTION TO THE CRUNCH 250

The **Crunch 250** is a powerful and fast data destroyer which physically crushes a wide range of storage devices. The unit is supplied with basic adapters for most common drive types including 3½" Half Height, Slim Line and Full Height Hard drives and 2½" hard drives and Solid State Drives (SSD's). Data Logging software is also supplied as standard for use when the unit is plugged into a computer by the USB cable.

The Data Logging software is used to record details of the Hard Drives and other media which has been destroyed. Printable reports are available detailing date destroyed, operator's name, media owner, type and serial number of media, and more.

The **Crunch 250** may be operated either **with** or **without** the erasure logging function activated. **For information on stand-alone operation proceed to Section 5.1 below.**

## SECTION 5: OPERATION WITHOUT DATA LOGGING

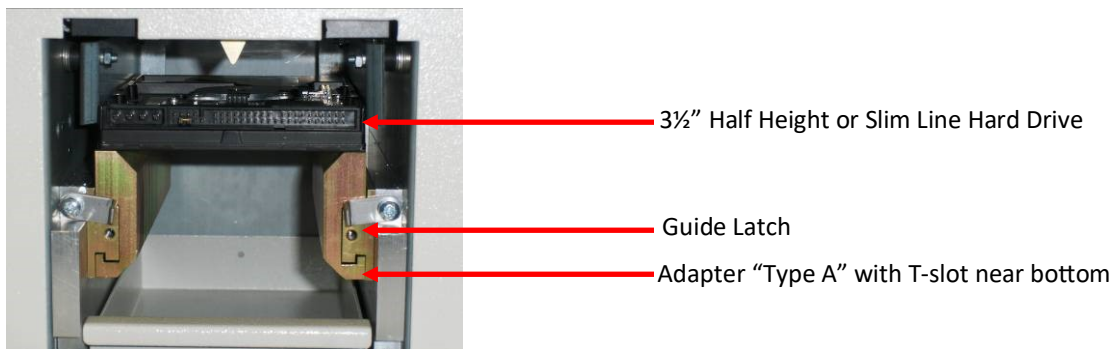
The **Crunch 250** can be operated either **with** or **without** the Data Logging as the customer wishes.

### General

The Operator must ensure that the correct adapters as described below are fitted inside the Destruction Chamber before commencing use. A Hard Drive **PCB DOWN (PC CARD DOWN)** is then introduced into the chamber and the door firmly closed. Pressing the green "Destroy" button on the right hand side of the display starts the 9 second destruction cycle. At the completion of the cycle the display reads "Media Destroyed Open Door" after which the media can be safely removed from the machine.

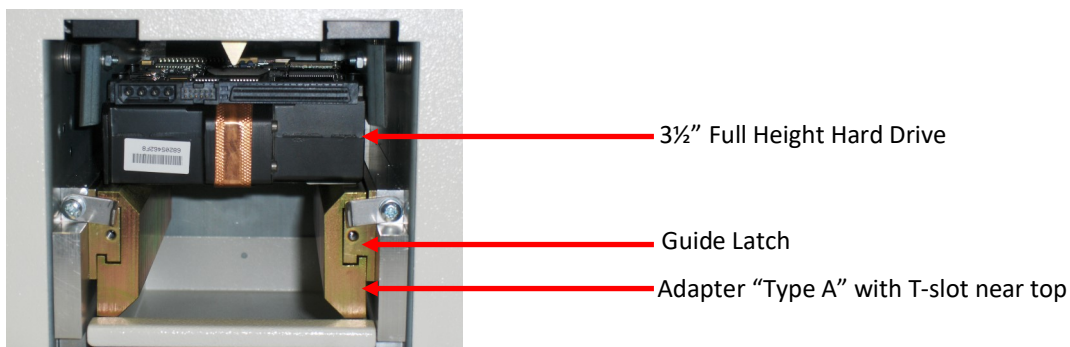
#### 5.1 Destruction of 3½" Half Height and Slim Line Hard drives

1. Fit 2-off Adapter Type A into the Destruction Chamber by sliding them along the guide rails ensuring the T slot is near the bottom. Pull down the locking latches to secure the guides in place.
2. Ensure the Debris Tray is inserted in the bottom of the Destruction Chamber
3. Place the Hard Drive PCB DOWN (PC Card DOWN) on top of the Adapters locating it fully within the Destruction Chamber
4. Close the door and ensure it is fully latched
5. Press the green "Destroy" button on the right hand side of the display
6. Observe the progress of the destruction cycle in the LCD display
7. When the cycle is complete the "Open Door" message shows and the Hard Drive can be safely removed from the Destruction Chamber



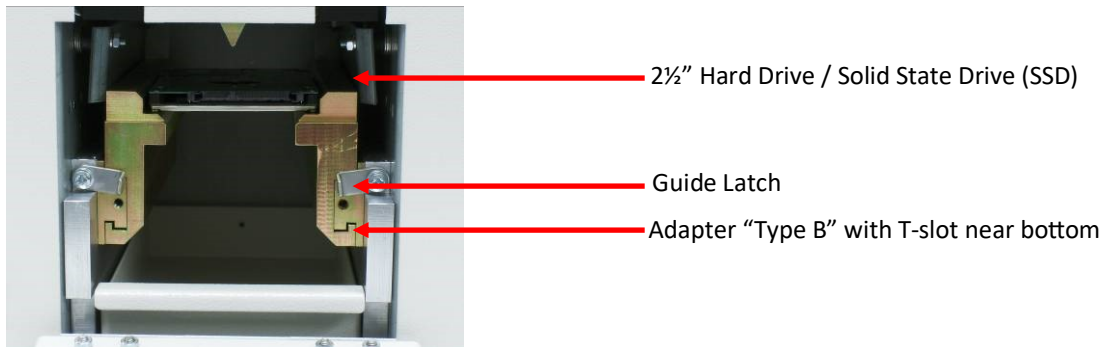
#### 5.2 Destruction of 3½" Full Height Hard drives

1. Fit 2-off Adapter Type A into the Destruction Chamber by sliding them along the guide rails, ensuring the T slot is near the top. Pull down the locking latches to secure the guides in place.
2. Ensure the Debris Tray is inserted in the bottom of the Destruction Chamber
3. Place the Hard Drive PCB DOWN (PC CARD DOWN) on top of the Adapter locating it fully within the Destruction Chamber
4. Close the door and ensure it is fully latched
5. Press the green "Destroy" button on the right hand side of the display
6. Observe the progress of the destruction cycle in the LCD display
7. When the cycle is complete the "Open Door" message shows and the Hard Drive can be safely removed from the Destruction Chamber.



### 5.3 Destruction of 2½” Hard Drives and Solid State Drives (SSD’s)

1. Fit 2-off Adapter Type B into the Destruction Chamber by sliding them along the guide rails ensuring the T slot is near the **bottom**. Pull down the locking latches to secure the guides in place.
2. Ensure the Debris Tray is inserted in the bottom of the Destruction Chamber
3. Place the Hard Drive on top of the Adapters locating it fully within the Destruction Chamber
4. Close the door and ensure it is fully latched
5. Press the green “Destroy” button on the right hand side of the display
6. Observe the progress of the destruction cycle in the LCD display
7. When the cycle is complete the “Open Door” message shows and the Hard Drive (Or SSD) can be safely removed from the Destruction Chamber



### 5.4 Error messages and the Stop / Reverse Button

The Stop / Reverse button is located on the left of the LCD display panel. Instructions and Error Messages are shown in the display.

#### Message: “Incorrect insert or media type”

After insertion of the media to be destroyed into the Destruction Chamber and the latched closure of the safety door, the message “**incorrect insert or media type**” will be shown if the item inserted does not fit expected parameters of size or position, and the Destruction Cycle will not start.

To correct this, open the safety door and check the media type and position and correct as necessary.

#### Message: “user pressed stop”

In the event that the Operator wishes to stop the machine mid-cycle the Stop / Reverse button can be pressed. The message “**user pressed stop**” will be shown in the LCD. In order to reverse the Crunch 250 to the Start position the Stop / Reverse button must be pressed for more than 3 seconds and held down until the unit has returned to start. This ensures the crushing mechanism has been removed from the Media which in turn can now be removed from the Destruction Chamber.

The Destroy cycle can only be initiated from the Start position.

#### Message: “Error – Motor Stalled” and “Press and hold Reverse to Reset”

In the event of a cycle failure due to a stalled motor (jam/stall) (such as may occur if the item in the Destruction Chamber is not suitable to be crushed) the error message “**Error – Motor Stalled**” is shown, followed by the message “**Press and hold Reverse to Reset**”

To correct this, the Stop / Reverse button must be pressed for more than 3 seconds and held down until the unit has returned to start.

#### Message: “motor stalled switch off”

If this message is shown in the LCD the Crunch 250 must be switched off.

The Crunch 250 should then be restarted and the operator should carry out any instructions that are shown in the LCD. If the message above is repeated and the unit does not reboot correctly switch the machine off and contact technical support.



## **SECTION 6: DATA DESTRUCTION AUDITOR (DDA) ERASURE LOGGING SOFTWARE**

When erasure logging is required, simply connect the degausser to a PC or laptop and open the Data Destruction Auditor program. This will log all the information related to the erasure and provide a printed report if required. The information logged includes details of the degaussing company (including the operator and supervisor), media owner, degausser machine type, serial number, part number and size of the Hard Drive or Tape.

For Setup of the Data Destruction Auditor see the separate (included) 'DDA Quick Start Guide'. For more information on erasure logging software see the 'DDA Full user Guide' available on the following web address <https://www.veritysystems.com/resources/product-manuals/>.

## **SECTION 7: SAFETY RECOMMENDATIONS**

### **Gloves**

It is recommended that suitable protective gloves are worn when handling the crushed media or debris in order to protect hands from sharp edges.

### **Swarf**

It is recommended that the Debris Collection Tray is emptied frequently to prevent the build up of swarf inside the Crunch 250.

## **SECTION 8: MAINTENANCE**

### **8.1 Resetting the circuit breaker**

The Crunch 250 Degasser is not equipped with any on-board fuses that require replacement. All the systems within the unit are protected by the circuit breaker which is located on the rear of the unit – this can be manually reset by the user.

If the unit fails in any way, the user should verify the condition of the circuit breaker prior to contacting support.

**The Crunch 250 contains mains voltages and currents. For safety reasons, VS Security Products Ltd does not recommend that the covers be removed by anyone other than trained VS Security Products technicians.**

### **Cleaning**

Excess dust or debris should be regularly cleaned from the Destruction Chamber and Guide Rails using either a cloth and/or by vacuuming. The outside of the unit may be wiped with a soft cloth but no harsh cleaning agents should be used.

## **SECTION 9: DDA OPTIONS**

The DDA software can also be used with the following accessories. More details on how to use these accessories with the DDA Software see the 'DDA Full user Guide' available on the following web address <https://www.veritysystems.com/resources/product-manuals/>.

### **9.1 Barcode Scanner**

The barcode scanner accessory allows you to scan the serial and part numbers from media, allowing you to speed up the data entry process.

### **9.2 Verity Systems DD Imager**

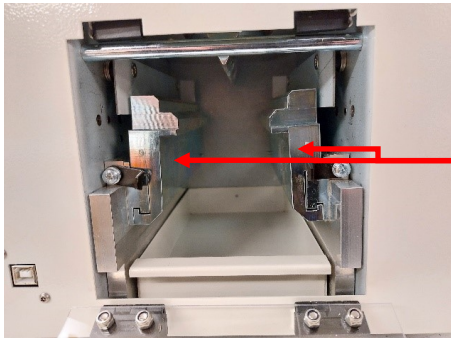
The Verity Systems DD Imager seamlessly integrates with the Data Destruction Auditing software, facilitating the capture of high-definition images of media both before and after the erasure/destruction process.

### 9.3 M.2 SSD Adapter

The M.2 SSD Adapter with the Crunch 250 Destroyer ensures secure destruction.

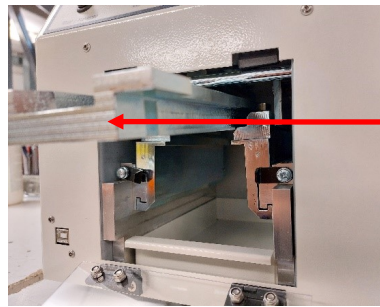
#### 9.3.1 Installation

1. Ensure the 'B' type HDD adapters are fitted in the unit.



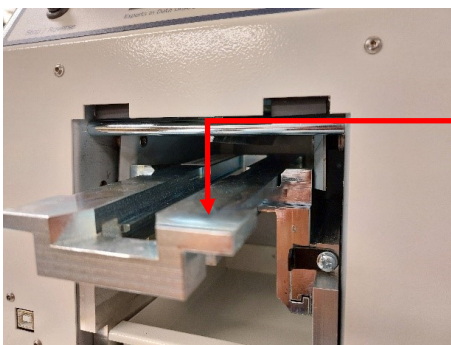
'B'  
Adapters

2. Slide the M.2 adaptor into the machine about halfway, on top of the 'B' adapters. Ensure the front opening of the adaptor is towards you.



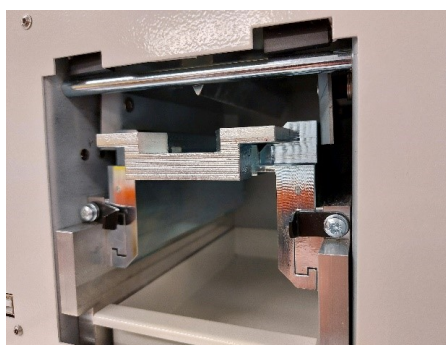
Front

3. Push the M.2 adaptor downwards until it clicks into place within the 'B' adapters



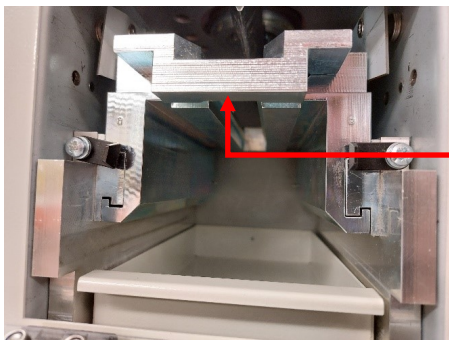
Push Down

4. Slide the M.2 adaptor forwards fully into the machine. It should click into place.



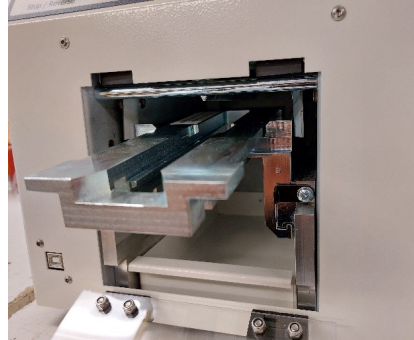
#### 9.3.2 Removal

1. Push the rear of the adaptor upwards.



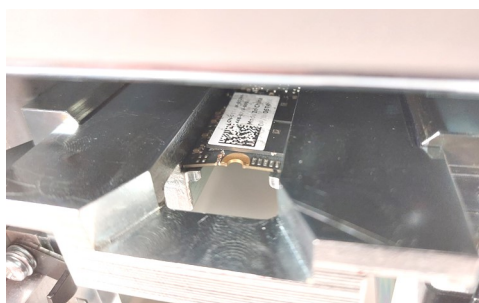
Push Up

2. Slide the adapter out.



#### 9.3.3 Usage

1. Slide the M.2 drive into the adapter. Make sure the end of the drive is at least flush with the two edges as shown below.



2. Close the door and press destroy. The drive will be broken and should fall into the collection tray.





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