



Security Engineered Machinery Co., Inc

OPERATIONAL & MAINTENANCE MANUAL

SEM Model 0100 SLEDGEHAMMER



Rev 3

Security Engineered Machinery Co., Inc

NATIONWIDE SERVICE

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CONTENTS

SAFETY PROCEDURES	3
PARTS BREAKDOWN	4
TOOLS REQUIRED FOR ASSEMBLY OR MAINTENANCE	5
INSTALLATION AND SET-UP.....	6
CHANGE SETTINGS AND MAINTENANCE	8
OPERATION	13
PRODUCT SPECIFICATION.....	16
SEM PRODUCT WARRANTY	17
NEW DISINTEGRATOR SYSTEM.....	17

SAFETY PROCEDURES

Your new SEM 0100 Sledgehammer delivers a staggering 6,000 pounds of force to a conical punch causing catastrophic trauma to the hard drive chassis while destroying the internal platter, **serious and permanent injury may result** if proper precautions are not followed.



1. This equipment should never be operated by children or individuals that are untrained or incapable of understanding these safety precautions!



2. Do not reach into the feed opening for any reason! Never insert fingers, hands, other extremities, or objects not meant to be crushed into the feed opening!



3. Do not operate or come into close proximity to this equipment wearing loose clothing, neckties, dangling jewelry, or long hair which may become entangled in the crushing chamber.



4. Maintenance or repair of this equipment should be performed only by trained, authorized service personnel.
5. Eye protection is recommended for flying debris while crushing hard drives and DLT tapes

WARNING: SEE YOUR INTERNAL SAFTY OFFICER AND ASK ABOUT YOUR PPE (PERSONAL PROTECTION EQUIPMENT) FOR AREA OPERATION.

For NATIONWIDE SERVICE CALL 1(800)225-9293

PARTS BREAKDOWN

Figure A



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PARTS LIST

Reference Figure A

NUMBER	QTY	PART NUMBER	DESCRIPTION
1	1	600HDD0100	Press
2	1	850HDCANVIL	Anvil
3		MC91074A136	Anvil Lock Washer
4	1	851MCHANDLE	Handle (Long)
5	2	8519753K82	Handle End Cap
6	1	851MCHANDLES	Handle (Short)
7	2	8519753K2A	Handle End Cap
8	1		M10 Set Screw
9	1		5mm Hex L-Key
10	2		3/8-16 x 4" Bolts
11	4		3/8 x 2" Fender Washer
12	2		3/8-16 Nylon-Insert Lockout

TOOLS REQUIRED FOR ASSEMBLY OR MAINTENANCE

Large Adjustable Wrench
5/8 Wrench
9/16 Wrench
Socket Wrench
9/16 Deep Socket
Flat head Screw Driver
5 mm Hex L-Keys (Included)

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INSTALLATION AND SET-UP

After removing the 0100 Sledgehammer from its packaging, be sure that all paperwork and any loose items that may have been shipped with the 0100 Sledgehammer have been removed from the packaging as well. ***Please note that all packaging should be retained by the customer for (30) days from the time of receipt. In the event that this unit needs to be returned for replacement or repair, this packaging will be required to do so. Should the packaging have been discarded before the (30) day requested period, packaging costs will be incurred by the customer.***

- 1) Place the 0100 Sledgehammer on a strong and sturdy surface. Such as a work table or SEM's Optional Heavy Duty Stand.

Note: if your table is too light, the table may tip over while trying to operate the model 0100 Sledgehammer. Table may need to be anchored to floor or wall as well.

- 2) Bolt down the model 0100 sledgehammer to your work table down with the supplied hardware (2) 3/8-16 x 4" bolts, (4) 3/8 x 2" fender washers, and (2) 3/8-16 nylon-insert locknut.

Note: If you are using a work table you will need to drill holes in the work table to match the predrilled holes in the unit. The optional heavy duty stand already has the mounting holes predrilled. Also (1) bolt with (2) washers and (1) locknut in two places

Tools required: 9/16 Wrench and Socket Wrench with 9/16 Deep Socket



IMPORTANT: The model 0100 Sledgehammer must be bolted down on a work table or SEM's Option Heavy Duty Stand. **DO NOT OPERATE THE 0100 SLEDGEHAMMER if unit is not bolted down!**

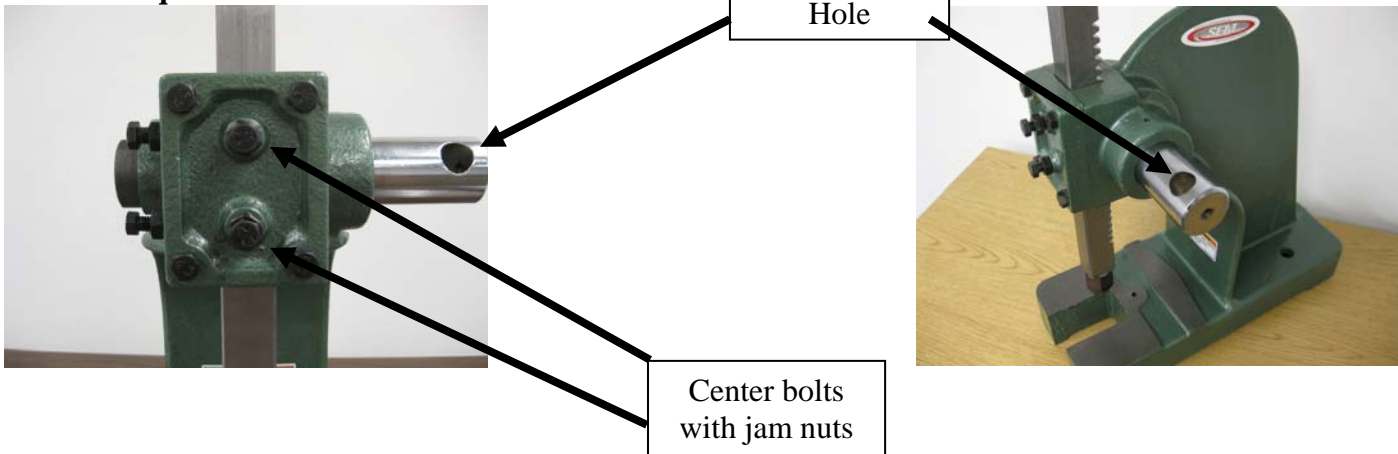
- 3) Before handle gets inserted, place a hard drive under anvil. The handle insert hole should be at approximately 45° as shown in picture below.

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INSTALLATION AND SET-UP Cont....

Note: Need to turn shaft by hand to place hard drive or tape. If shaft will not turn may need to loosen two center bolts with jam nuts on them.

Tool required: 5/8 Wrench



- 4) Insert handle and tighten set screw. (For best results only allow handle to extend about a 1" out of back side of hole). Then tighten set screw.

Tool required: 5mm Hex L-Key.



Note: SEM has included two handles (long and short handle).

IMPORTANT: Long handle **MUST** be used when crushing hard drives.

Warning: While operating the model 0100 Sledgehammer pieces of material can eject. See your internal safety officer and ask about your PPE for area of operation. We recommend wearing safety glasses.

- 5) Ready to operate

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CHANGE SETTINGS and MAINTENANCE

Change angle of handle

- 1) Remove Handle

Tool required: 5 mm Hex L-Key



- 2) Loosen set screw on shaft collar than remove.

Tool required: M6 Alan Wrench



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CHANGE SETTINGS and MAINTENANCE Cont.....

- 3) Pull shaft out until the teeth are no longer engaged.

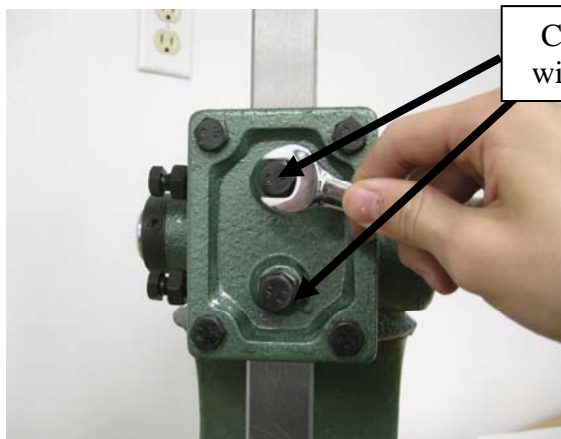


- 4) Lift anvil to desired height.



- 5) Once desired height is reached, lock down the center bolts with the jam nuts on them.

Tool required: 5/8 Wrench



Center bolts
with jam nuts



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CHANGE SETTINGS and MAINTENANCE Cont.....

- 6) Turn shaft until the hole for the handle is approximately set at 45°, and then push back in.

Note: Once handle insert hole is set at approximately 45°, you may have to slightly twist the shaft to align teeth to slide shaft back into place. Insert hole angle may slightly change but will still be approximately 45°.



- 7) Put shaft collar back on and tighten set screw.

Tool required: M6 Alan Wrench



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CHANGE SETTINGS and MAINTENANCE Cont.....

Replacing or Removing the Anvil

- 1) Lift handle so anvil is clear of any obstructions.
- 2) Lock down the center bolts with the jam nuts on them.

Tool required: 5/8 Wrench



- 3) Remove anvil

Tool required: Large Adjustable Wrench



Note: Do not lose the lock washer on the top of the anvil, as this must be put back on anvil.

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CHANGE SETTINGS and MAINTENANCE Cont.....

Remove or Replace Coupling

- 1) Lift handle so anvil is clear of any obstructions.
- 2) Lock down the center bolts with the jam nuts on them.

Tool required: 5/8 Wrench



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OPERATION

Punching Hard Drives

Warning: Unit is shipped ready to destroy 1” hard drives, you may want to reset if punching 1.65” hard drives (refer to the Changing Settings and Maintenance on page 5)

1) Lift handle to insert hard drive.

Note: It is recommended to punch the hard drives on the PC board side. Do not try to punch center hub of hard drive. The device is designed to punch the platters inside the drive



2) Pull or push handle down to penetrate hard drive.

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OPERATION Cont...

Note: Anvil will not penetrate thru the entire hard drive. The model 0100 Sledgehammer pierces and deforms hard drive to disable the drive.



- 3) Pull or push handle up to remove hard drive. If more deformation is needed turn hard drive 180° to penetrate opposite side.



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OPERATION Cont...

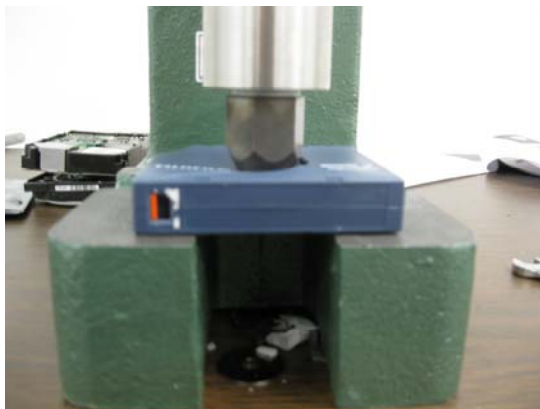
Punching DLT tapes

1) Lift handle to insert DLT tape.

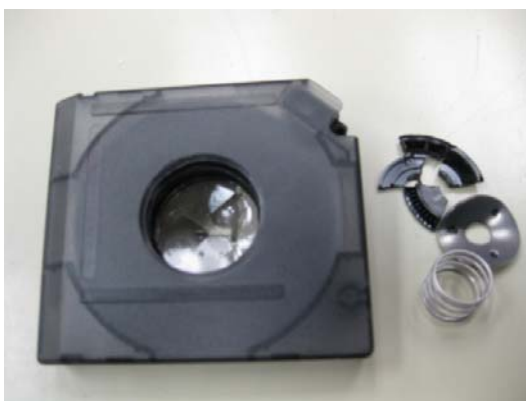
Note: It is recommended to punch the top side in the center of tape.



2) Pull or push handle down to penetrate DLT tape.



Warning: DLT tape is not considered destroyed. Only the metal is removed to make the tape inoperable.



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Product Specification

Drive Types	Personal Computer and/or Notebook style Hard Disk Drives regardless of their size, format or type from .65" to 1.6" thickness
Destruction Time	5 second full cycle....can also destroy up to 2 notebook drives in one 5 second cycle.
Dimensions / Weight	8" W x 24"H x 16"D / 88 Pounds
Operation	Unit needs to be bolted to a table or work bench. Pre-drilled holes are included in the base.

RECOMMENDED ACCESSORIES

Heavy Duty Stand	Part # 600HDDSTAND
Replacement Anvil	Part # 850HDC ANVIL



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SEM PRODUCT WARRANTY

SEM warrants, for a period of time listed below from date of shipment, that product will be free from defects in material and workmanship when used under normal operating conditions. Excluded from warranty coverage are normal wear items and electrical components. These items include and are not limited to Knives, Cutters, Belts, Chains, Switches, PC Boards, Optics and other electrical contactors. These items are not included for consideration unless the components are deemed defective. Any purchased part used in the assembly of a SEM System will carry the manufacturer's original warranty for the original SEM customer. Warranty does not cover damages by freight handlers, misuse, neglect, acts of nature, unauthorized modifications or the use of other than the factory SEM components.

WARRANTY TIME PERIOD

New Disintegrator System

Disintegrators	Lifetime parts, 90 days labor
Waste Collection System and Accessories	1 Year parts, 90 days labor

Remanufactured Disintegrator System

Disintegrator	3 Years parts, 90 days labor
Waste Collection System and Accessories	1 Year parts, 90 days labor

Reconditioned Disintegrator System

Disintegrator	1 Year parts, 30 days labor
Waste Collection System and Accessories	6 months parts, 30 days labor

Shredder Units ~ New & Demo

High Security Cross-Cut	1 Year parts, 90 days labor, 1 Year cutting head
Executive Deskside* (i.e. 1324 Series)	1 Year parts, 1 Year SEM return-to-factory labor
All other shredder units	3 Years parts, 90 days labor, 6 Years cutting head
Automatic Oilers	1 Year parts, 90 days labor
Shredder / Baler Combo (Shredder)	3 Yr parts, 90 days labor, 6 Yr cutting head

1 Yr parts, 90 days labor (Baler)

Reconditioned Shredders

All Units	1 Year parts, 30 days labor
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Magnetic Media Degaussers

Model P3 Series	5 Year parts, 90 days labor
Model P2V	1 Year parts, 90 days labor
All other models	2 Year parts, 90 days labor

Optical Media (CD/DVD) Destroyers and IT Data Erasers

Model 0201OMD	1 Year parts, 90 days labor
Model DX-CD2*	1 Year parts, 1 Year SEM return-to-factory labor
All other units	1 Year parts, 90 days labor

Hard Drive Crusher

Model 0101 Sledgehammer	1 Year parts, 90 days labor
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Hard Drive Shredder

Model 0301 Jackhammer	2 Year parts, 90 days labor
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*All warranty labor will be performed at SEM factory, Westboro, MA

WARRANTY PARTS RETURN

Warranty is conditional on notification to SEM's Customer Service Department by calling (800)225-9293. All materials being returned for warranty credit must have the requested Return Goods Authorization number from the Customer Service Department, and must be returned within 30 days after the discovery of the defect. All shipping costs on returned material must be prepaid by the customer. Cartons must be marked on the outside with the RGA number and "Warranty Parts". For executive model shredders, SEM, at our discretion reserves the right to repair or replace unit covered under warranty

SEM Warranty: November, 2009



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Security Engineered Machinery Co., Inc. Product Information



Paper Shredders, Disintegrators/Industrial Shredders

Contract Number: GS-02F-0111P

Contract Period: October 1, 2006 to September 30, 2011

C3615 Shredders / Degaussers

C3615 Accessories/Attachments for Shredders and Disintegrators

C3615 Spare parts for Shredders and Disintegrators

C3615 Disintegrators

C3615 Remanufactured Disintegrators



**Paper Shredders • Disintegrators • Security Containers • Optical Media Declassifiers
Shredding / Destruction Services**

For detail product information including all application and specifications, contact our Customer Service Department at 1-800-225-9293 or visit us on line at www.semshred.com for commercial customers and www.fedshred.com for government customers.

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