



## PRODUCTS LIST 2011

**ORIENT** Orient Computer Co., Ltd.  
Total data security in software and hardware

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## HDD Magnetic Crushers

The relaunch of the premier total data erasing machine, Hard Drive Crusher! Used by a multitude of government agencies and corporations to prevent leakage of confidential data stored on hard drives, Hard Drive Crusher eliminates the 5 to 48 hour cycle required for overwriting data, taking just 0.1 second to completely erase a hard drive!

### HC2000S

#### HDD Magnetic Crusher



Handles hard drives  
with high density  
perpendicular recording.



#### Compact design. Ideal for office use!



For professional use! Erases a wide range of media!

Included in the Hard Drive Crusher lineup are space saving compact models. **20 Sec, 9,000 Oe**

Types of media:  
Hard disks, floppy disks, all varieties of tapes, Zip cartridges, etc.

### HC3800SP

#### HDD Magnetic Crusher



Handles hard drives  
with high density  
perpendicular recording.



#### Produces the strongest magnetic fields you can find in a portable degausser.



Handles HDD for servers with high retention strength!

Handles hard drives with the highest strength magnetic recording and retention techniques used in servers. **18 Sec, 12,500 Oe**

Types of media: Hard disks from PCs, hard disks from servers, floppy disks, all kinds of tapes, Zip cartridges, and any other magnetic media that fit in the slot.

## HDD Magnetic Crushers

### HC7800S

HDD Magnetic Crusher



### Deletes magnetic data in notebook PCs without disassembling the PCs!

 Professional model that erases magnetic data in large tape or HDD in notebook PC without disassembly.

This model boasts the strongest magnetic field (717 kA/m) of any mid-sized machine. Mounted on casters, it can be moved easily. It fits the scene in offices, of course on factory floors, research facilities, and anywhere else.

Types of media:  
Hard disks, floppy disks, all varieties of tapes, Zip cartridges, etc.


### NEW COMBO

Combination of Magnetic Eraser and Physical Breaker



### Data erasure + physical destruction = ultimate peace of mind!

**Connection of a bar code reader provides unitary administration of HDD record keeping, achieving a 75% reduction in workload.**

 COMBO has 2 features in 1, both degaussing and physical destruction.

First it applies one magnetic field to erase data, then it reverses polarity and applies a second magnetic field to complete the erasure. Next it physically destroys the hard disk. Finally for the ultimate in security, it performs yet another erasure cycle, rendering the data impossible to read.

Handles hard drives with high density perpendicular recording.

Types of media: 3.5 inch hard disks from servers, 3.5 inch hard disks from PCs, 2.5 inch hard disks, and VHS tapes

## HDD Magnetic Crushers

### OPTION

#### Carrying Case, Proof of Degaussing Label

##### Carrying Case



HC-BOX3800

#### **HC-BOX1000**

For HC2000

#### **HC-BOX3000**

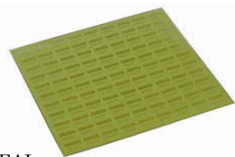
For HC3000SP: includes casters

#### **HC-BOX3800**

For HC3800SP: includes casters

<p>HC-BOX1000: 241(W)x340(H)x486(D) mm/5kg HC-BOX3000: 246(W)x420(H)x591(D) mm/8kg HC-BOX3000: DIMENSION: to be prepared Case material: Aluminum Cushion material: Rigid polyurethane</p>
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##### Proof of Degaussing Label



E-SEAL

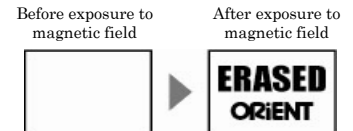
#### **E-SEAL**

Attach a label to an HDD before magnetically erasing (degaussing) by an Orient Computer Hard Disk Crusher. Words appear on the label to certify that the media was exposed to magnetic fields.



Attach the label at the location shown by "○".

(The label's meaning will not be effective if placed at locations marked "X".)



Degaussing causes words to appear on the drive's seal, as shown above.

## HDD Magnetic Crushers

### PRODUCT COMPARISON CHART

Product name		HC2000S	HC3800SP	HC7800S	NEW COMBO
Time for one power charge / number of times performed		About 20 seconds / 1 time	About 18 seconds / 1 time	About 35 seconds / 2 times	Magnetics about 55 seconds, mechanics about 105 seconds / 1 time
Data erasure time (1 time)		Appr. 0.1 second	Appr. 0.1 second	Appr. 0.1 second	Appr. 0.1 second
Maximum magnetic field generated		9000 Oe	13000 Oe	9000 Oe	10000 Oe
Motion Control System		Board system	Sequencer system	Sequencer system	Board system
Method of erasure		DC scheme	Rebound method	Rebound method	Mechanical & DC
Types of erasable hard disk drives		Works on <b>high-density HDDs using either horizontal or vertical recording systems</b>	Works on <b>high-density HDDs using either horizontal or vertical recording systems</b>	Works on HDDs using horizontal magnetic recording systems	Works on <b>high-density HDDs using either horizontal or vertical recording systems</b>
Power rating (Japan)	Voltage	AC100V 50/60Hz	AC100V 50/60Hz	AC100V 50/60Hz	AC100V 50/60Hz
	consumption	40W	50W	100W	110W
Power consumption (Japan)	Idle	20W (0.2A)	Not measured	Not measured	Not measured
	Charging	500W(5.0A)	Not measured	Not measured	Not measured
	Erasing	50W (0.5A)	Not measured	Not measured	Not measured
Power rating (U.S., EU, etc.)	Voltage	AC100, 110, 120, 220, 230, or 240V (50/60Hz)*			
Power consumption (U.S., etc.)	Idle	50W (0.5A)	20W (0.2A)	100W (1.0A)	20W (0.2A)
	Charging	500W (5.0A)	600W (6.0A)	11.5KW (15.0A)	
	Erasing	50W (0.5A)	50W (0.5A)	200W (2.0A)	50W (0.5A)
Max Gauss		9000 G	13000 G	9000 G	10000 G
Max Oersted		9000 Oe	13000 Oe	9000 Oe	10000 Oe
Max kiloamperes per meter		718 kA/m	1037 kA/m	718 kA/m	798 kA/m
Dimensions of erasing chamber (mm)		W28xH104xD190	W41xH110xD190	W300xH43xD350	W105xH45xD200
Dimensions of slot area (mm)		W35xH115xD197	W47xH115xD195	W330xH70xD450	W120xH70xD280
Outer dimensions shown in catalog (mm) *		W180xH270xD425	W180xH395xD510	W550xH660xD80*	W380xH610xD680
Outer dimensions, not including protrusion (mm) *		W180xH265xD410	W190xH395xD520	W560xH800xD675*	W385xH620xD660
Weight shown in catalog (kg) *		Approximately 14 kg	Appr. 25 kg	Appr. 120 kg	Appr. 125 kg
Weight shown in product manual (kg) *		Approximately 12 kg	Approximately 25 kg	Approximately 110 kg	Approximately 120 kg
Operating environment		Temperature: 5 to 40°C / Humidity: 80% (non-condensing)			
Erasable media handled		3.5 inch hard disk drives from servers, VHS tapes, and other magnetic media that fit in the slot	3.5 inch hard disk drives from servers, VHS tapes, and other magnetic media that fit in the slot	Tapes including #10 open reel and VHS tapes, <b>HDDs includes large size 5" HDDs and 3.5" HDDs, notebook PCs,</b> and other magnetic media that fit in the slot	3.5 inch hard disk drives including those from servers, 2.5 inch hard disk drives, and VHS tapes

(Remark) \* Voltage must be specified upon ordering. Specification is subject to change without notice.

## HDD Physical Breakers

### BREAKS-5

HDD Physical Breaker (Destroyer)



**The hard drive is destroyed by drilling holes through it!**



No matter how rugged the hard drive thinks it is, it will be penetrated and destroyed.

Simply insert the hard drive and push a button. Without the danger that accompanies other techniques such as using a hammer, this one quickly and reliably destroys the drive.

Types of media: 2.5 inch hard drives, 3.5 inch hard drives, and large size SCSI hard drives

#### OPTION



HC-BOX-BREAKS : for transportation casters

Cushioned with material perfectly shaped for HC-BOX-BREAKS, and with handles and casters attached, this case makes transportation easy.



## HDD Physical Breakers

### PRODUCT COMPARISON CHART

<b>HDD PHYSICAL BREAKERS (PHYSICAL DESTROYERS)</b>		
Product name	<b>BREAKS-5</b>	
Types of media handled	2.5 inch (up to 12 m/m thickness) and 3.5 inch (up to 30 m/m thickness) hard drives, including drives from servers	
Time required	60 Hz	50 Hz
	about 30sec	about 36 sec
Erasure method	Mechanical destruction	
Rated voltage	AC 100, 110, 120, 220, 230 or 240 V 50 / 60 Hz *	
Power consumption	Idle	23 W
	Operating(MAX)	200 W
Rated power consumption	150 W	
Outer dimensions shown in catalog (mm)	W 220 x H 400 x D 435	
Dimensions of slot area as shown in catalog (mm)	W 107 x H 30 x D146	
Weight	41 kg	
Operating environment	Temperature: 5 to 40°C / Humidity: 80% (non-condensing)	

(Remark) \* Voltage must be specified upon ordering. Specification is subject to change without notice.