



## PRODUCTS LIST 2010

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

Tokyo Head Office: 6-20-12-2F Nishishinjuku, Shinjuku, Tokyo, Japan 160-0023 TEL: + 81-3-5339-9488 FAX: +81-3-5339-9485  
Osaka Head Office: 1-2-27-32F Shiromi, Chuo-ku, Osaka, Japan 540-6035 TEL: +81-6-6966-1665 FAX: +81-6-6966-1675  
Nagoya Sales Office: 3-2-3-4F Nikko Building, sakae, Naka-ku, Nagoyashi, Aichi, Japan 460-0008 TEL: +81-52-219-7057 FAX: +81-52-219-7058  
Kyushu Sales Office: 1-1-25-804 Hakatakihigashi, Hakata-ku, Fukuoka, Japan 812-0013 TEL: +81-92-441-3313 FAX: +81-92-441-3313  
North America Office: 1500-885 W. Georgia Street, Vancouver, BC, Canada V6C3E8 TEL: +1-604-639-2142 FAX: +1-866-698-8241  
Taiwan Office: 4F. No20., SEC2.Nanjin.E.Rd., Taipei 104 TAIWAN TEL: +8862-2571-5100 FAX: +8862-2571-5101  
Hong Kong Office: 35th Floor, Central Plaza, 18 Harbour Road, Wanchai, Hong Kong TEL: +852-2824-8127 FAX: +852-3013-9984  
URL: <http://www.orient-computer.com> Email: [international@orient-computer.com](mailto:international@orient-computer.com)

## 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



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



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, 13,000 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.

**HC7800G**

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.

## HDD Magnetic Crushers

### NEW COMBO



Connection for bar code reader

Handles hard drives with high density perpendicular recording.

**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.

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

### OPTION

Carrying Case, Orient Checker and Magnetic Check Card, Colloidal Magnetic Marker

#### Carrying Case

HC-BOX3800



#### HC-BOX1000

For HC2000

#### HC-BOX3000

For HC3000SP: includes casters

#### HC-BOX3800

For HC3800SP: includes casters

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

## 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	80W	100W	110W
Power consumption (Japan)	Idle	20W (0.2A)	24W (0.24A)	Not measured	Not measured
	Charging	500W(5.0A)	11KW(11A)	Not measured	Not measured
	Erasing	50W (0.5A)	80W(0.5A)	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)	To be prepared	100W (1.0A)	20W (0.2A)
	Charging	500W (5.0A)	To be prepared	11.5KW (15.0A)	
	Erasing	50W (0.5A)	To be prepared	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	W110xH41xD190	W300xH43xD350	W105xH45xD200
Dimensions of slot area (mm)		W35xH115xD197	W115xH45xD200	W330xH70xD450	W120xH70xD280
Outer dimensions, not including protrusion (mm) *		W180xH265xD410	W236xH248xD480	W560xH800xD675*	W385xH620xD660
Weight shown in catalog (kg) *		Approximately 14 kg	Appr. 24 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
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.