



PRODUCTS LIST 2010

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.

HC3400S


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, 12,000 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.


HDD Magnetic Crushers

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.

COMBO

Combination of Magnetic Eraser and Physical Breaker

Handles hard drives with high density perpendicular recording.

Data erasure + physical destruction = ultimate peace of mind!

 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



HDD Magnetic Crushers

OPTION

Magnetic Check Card

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

Carrying Case

HC-BOX3000



HC-BOX1000

For HC2000

HC-BOX3000

For HC3400: includes casters

<p>HC-BOX1000: 241(W)x340(H)x486(D) mm/5kg HC-BOX3000: 246(W)x420(H)x591(D) mm/8kg Case material: Aluminum Cushion material: Rigid polyurethane</p>

Magnetic Check

Magnetic Check Card



Orient Checker



Provides visual inspection of data erasure!

The Magnetic Check Card uses a magnetic field to display the words "ORIENT-CHECKER". When demagnetized, visual inspection shows that the words have disappeared. The Orient Checker machine magnetizes the card again to display words until used in the next round of erasing.

Colloidal Magnetic Marker



Simply by drawing with this marker, you can check the magnetic pattern of any media.

When this colloidal magnetic marker is applied directly to magnetic media, the magnetic pattern of the media becomes visible.



HDD Magnetic Crushers

PRODUCT COMPARISON CHART

Product name		HC2000S	HC3400S	HC7800G	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	12000 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 high-density HDDs using either horizontal or vertical recording systems	Works on high-density HDDs using either horizontal or vertical recording systems	Works on HDDs using horizontal magnetic recording systems	Works on high-density HDDs using either horizontal or vertical recording systems
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)*			
	consumption	50W (0.5A)	20W (0.2A)	100W (1.0A)	20W (0.2A)
Power consumption (U.S., etc.)	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	12000 G	9000 G	10000 G
Max Oersted		9000 Oe	12000 Oe	9000 Oe	10000 Oe
Max kiloamperes per meter		718 kA/m	957 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, HDDs includes large size 5" HDDs and 3.5" HDDs, notebook PCs, 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.

BREAKS-EASY 2

HDD Manual Physical Breaker



Destroy a hard disk manually, by driving a pin through it!



Safe and simple, it still prevents data leakage!

In an office or on a battlefield, if you have no electricity, power comes from your hands. The hard drive will be safely destroyed.

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

accessories



Handles
(Used in combination)



Pins for 2.5 inch and 3.5 inch hard disks



Pins suitable for full height 3.5 inch drives



Spacer (to fix the position of a hard disk)

HDD Physical Breakers

PRODUCT COMPARISON CHART

HDD PHYSICAL BREAKERS (PHYSICAL DESTROYERS)				
Product name		BREAKS-5		BREAKS-EASY 2
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	N/A
		about 30sec	about 36 sec	
Erasure method		Mechanical destruction		Manual
Rated voltage		AC 100, 110, 120, 220, 230 or 240 V 50 / 60 Hz *		
Power consumption	Idle	23 W		N/A
	Operating(MAX)	200 W		N/A
Rated power consumption		150 W		N/A
Outer dimensions shown in catalog (mm)		W 220 x H 400 x D 435		W 182 x H 345 x D 164
Dimensions of slot area as shown in catalog (mm)		W 107 x H 30 x D146		N/A
Weight		41 kg		8.5 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.