



ORIENT

Orient Computer Co., Ltd.

PRODUCTS LIST (Sept 2009)

ORIENT Orient Computer Co., Ltd.

Tokyo Main Office:

6-20-12-2F Nishishinjyuku, Sinjuku-ku, Tokyo, Japan 160-0023
Tel: + 81-3-5339-9488/Fax: +81-3-5339-9485

Osaka Main Office:

Crystal Tower 32F, 1-2-27 Shiromi, Chuo-ku, Osaka, Japan 540-6032
Tel: +81-6-6966-1665/Fax: +81-6-6966-1675

North America Office:

1500-885 W. Georgia St., 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

 www.orient-computer.com  intl@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!

HC2000

HDD Magnetic Crusher



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.

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

HC3400S

HDD Magnetic Crusher



Even handles hard drives with high density perpendicular recording.

NEW!

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, 11,000 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 tapes or HDDs in notebook PCs 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

Even 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, and 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

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

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

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		HC2000	HC3400S	HC7800G	COMBO
Time for one power charge / number of times performed		About 40 seconds / 1 time	About 18 seconds / 1 time	About 80 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		5500 Oe	11000 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 HDDs using horizontal magnetic 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	50W	50W	100W	110W
Power consumption (Japan)	Idle	Not measured	Not measured	Not measured	Not measured
	Charging	Not measured	Not measured	Not measured	Not measured
	Erasing	Not measured	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., EU, 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		5000 G	5000 G	9000 G	9000 G
Max Oersted		5000 Oe	5000 Oe	9000 Oe	9000 Oe
Max kiloamperes per meter		438.7 kA/m	438.7 kA/m	717.9 kA/m	717.9 kA/m
Dimensions of erasing chamber (mm)		W35xH115xD90	W35xH115xD90	W41xH110xD90	W300xH40xD350
Dimensions of slot area (mm)		W35xH115xD200	W35xH115xD200	W45xH115xD200	W320xH70xD400
Outer dimensions shown in catalog (mm) *		W180xH270xD425	W180xH270xD425	W190xH385xD520	W550xH660xD80*
Outer dimensions, not including protrusion (mm) *		W180xH265xD410	W180xH265xD410	W190xH395xD520	W510xH750xD595*
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 (13 kg for Pro)	Approximately 25 kg	Approximately 110 kg	Approximately 120 kg
Operating environment		Temperature: 5 to 40°C / Humidity: 80% (non-condensing)			
Erasable media handled		Hard disk drives, floppy disks, 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

HC-BREAKS-NSA

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 disks, 3.5 inch hard disks, and large size SCSI hard disks

OPTION



HC-BREAKS : for transportation casters

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

BREAKS-EASY

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 disks, 3.5 inch hard disks, and large size SCSI hard disks

accessories

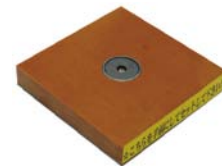


Handles
(Used in combination)



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	HC-BREAKS-NSA	BREAKS-EASY
Types of media handled	2.5 inch and 3.5 inch hard drives, including drives from servers	
Time required	2.5 inch and 3.5 inch hard drives: about 60 to 70 seconds	N/A
	3.5 inch hard drives of servers: about 90 to 100 seconds	N/A
Erasure method	Mechanical destruction	Manual
Rated voltage	AC100,110,120,/220,230 or 240V 50/60Hz *	
Power consumption	Idle	Not measured
	Operating	Not measured
Rated power consumption	90W	N/A
Outer dimensions shown in catalog (mm)	W180xH332xD400	W182xH345xD164 mm
Dimensions of slot area as shown in catalog (mm)	W120xH60xD162	N/A
Weight	30 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.