

CCT Mark Test Report Summary

Future Technology Industry Ltd

Hard Disk Magnetic Crusher HC7800

HC7800

VENDOR DETAILS	TEST LABORATORY DETAILS
Future Technology Industry Ltd	SiVenture, a Division of NDS
Asmec Centre The Ring Bracknell, Berks. RG12 1HB	Unit 6, Cordwallis Park Clivemont Road Maidenhead Berkshire SL6 7BU
Telephone Number: 01344 382100	Telephone: 01628 651360

Test Report Summary Issue Date: 6 August 2007

Further details about the claims tested are included in the Information Assurance Claims Document (CCT Mark Certificate Number 2007/08/0025 published on the CCT Mark website (www.cctmark.gov.uk))

1. Test result

- 1.1. The CSIA claims testing of the Hard Disk Magnetic Crusher HC7800 by SiVenture concluded that the claims made within [ICD] are valid for this IA Product.

2. References

Reference	Description
[ICD]	IA Claims Document published on the CCT Mark website for the Hard Disk Magnetic Crusher HC7800
[UG]	User Guide, available from the manufacturer, Orient Instrument Computer Company Limited.
[Degaussing Standard]	Amendment to Infosec Standard 5, The CESG Degaussing Standard and Requirements for Testing Degausser Equipment (Lower Level), V1.0, EXTN-QUAL-ST-0041, April, 2007.

3. Scope of Testing

- 3.1. The Hard Disk Magnetic Crusher HC7800 was tested using the Test Method described in [Degaussing Standard] against the claims made in the [ICD].
- 3.2. The Claims Tests were conducted at:
SiVenture
Unit 6, Cordwallis Park
Clivemont Road
Maidenhead
Berkshire
SL6 7BU
- 3.3. The product is a desktop magnetic media eraser made by Orient Instrument Computer Company Limited of Osaka, Japan, model number HC7800. A high magnetic pulse is used to erase data on the media. Various types of magnetic media, though principally HDDs and data storage tapes, can be put in the media drawer and erased according to simple instructions. A full description of the product is given in [UG].
- 3.4. This product is intended to provide assurance for the destruction of media with a protective marking of RESTRICTED or below. The destruction of media protectively marked at CONFIDENTIAL or above are considered out of scope of the CCT Mark Scheme.

3.5. The claims were tested following procedures laid out in [Degaussing Standard]. In summary, the following steps were taken;

1. Media was purchased for the tests. This is a hard disk drive commonly used in laptop computers, a data storage tape commonly used to back up computer data, a floppy disk and a zip disk.
2. The media were loaded with large data files. The files were checked as readable on mounting the media as normally used.
3. The media was degaussed following the instructions provided in [User Guide]. No choices or decisions need be made by the operator as only one method of operation is provided.
4. The media was remounted as before for testing and the results were recorded.

4. Ease of Use

The product may be installed and used very easily. After unpacking and inserting the power cord, the unit is useable within minutes. The instruction manual can be read and understood within minutes. The instructions are entirely linear with no decisions to be made.

The HC7800 has a sufficiently large media drawer to take a normal sized laptop computer. It is therefore possible to degauss HDD media without removing it from the laptop. This claim was tested and found valid.

The HC7800, along with other degaussers, uses a strong magnetic field. It is not recommended that those with cardiac pacemakers or other sensitive

The laptop is unlikely to work correctly again after a hard disk erasure using the degaussing method. The owners should take appropriate action to dispose of the laptops.

5. Quality of User and Administration Documentation

The Operation Manual is of sufficient quality to enable the testing to be carried out competently and to enable a typical user to successfully use the product.

6. Resistance to Publicly Known Vulnerabilities

None.

7. Validation of Existing Assurance Certificates

The product used for data destruction has been tested for compliance with the CESA lower level degaussing standard (Amendments to HMG Infosec Standard 5, and CESA Infosec Manual S, Version 1.0, April 2007).

8. Disclaimer

CSIA Claims Testing is not a guarantee of freedom from security vulnerabilities. There remains a probability that exploitable security vulnerabilities may exist in the IS Product, IS Service or the Information Systems environment supporting the IS Product or IS Service. The issue of a Test Report Summary is not an endorsement of a product or service.

This Test Report Summary serves solely to summarise the results of the testing carried out for the CCT Mark Scheme and should not be taken as an endorsement or otherwise of the IS product or IS Service.

9. Abbreviations

CCT	CSIA Claims Tested Mark
CESG	Communications-Electronics Security Group
CSIA	Central Sponsor for Information Assurance
HDD	Hard Disk Drive
IA	Information Assurance
ICD	Information Assurance Claims Document
IS	Information Systems