

ISO-9001 Certified
ISO-14000 Certified
ISO-17025 Certified
ADVANTECH CO., LTD.

QA Test Report

PCA-6751

(Drop Test)

Report No : 03D005A0

Report Date : June 30, 2003

Issue Stamp

Chi-Horng Liao
Manager of QA Department

Charles Chang
Approval

Knight Hu
Test Engineer

台北市內湖區瑞光路26巷20弄1號
No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei, Taiwan 114, R.O.C.
TEL: 886-2-2797-7818 FAX: 886-2-2797-7305
www.advantech.com

QA Lab Reliability test

Test Date : June 23, 2003
Test Site : Advantech QA Environment Lab
Performed By : Knight Hu

Purpose : Reliability test of CPU Heatsink mount by agglutinant

Test Standard : Reference Federal Standard 101 Method 5007 Testing procedure B
Test Ea : Drop Test

Test Condition :

1. Test Phase : Five face
2. Test High : 91cm
3. Test mode : Unpackaged

Test Equipment : Drop Tester machine
YOSHIDA SEIKI Co. LTD.
Model: DT-100B

Sample Configuration & Quantity Under Test :

Using one PCA-6751 PC Add-on Card with the following options installed :

PCA-6751 Rev.A1

Performance Criteria :

Electronic function check:

1. Running WinCE ver.4.1 for OS, the system should not have degradation in its performance.
2. The testing with Mqbench program for system functions checked and should pass the inspection.

QA Lab Reliability test

Mechanical function check:

1. The CPU heatsink agglutination on CPU and work properly without any interference.

Test Result :

1. There is no damage in electronic and mechanical functions.
2. Degradation has not been found.
3. Performance is maintained with no incurable physical damage or degradation.
4. The heatsink is properly fixed on the CPU by agglutinant fashion.

Conclusion :

Passed.

The PCA-6751 PC Add-on Card meets drop test.

QA Lab Reliability test

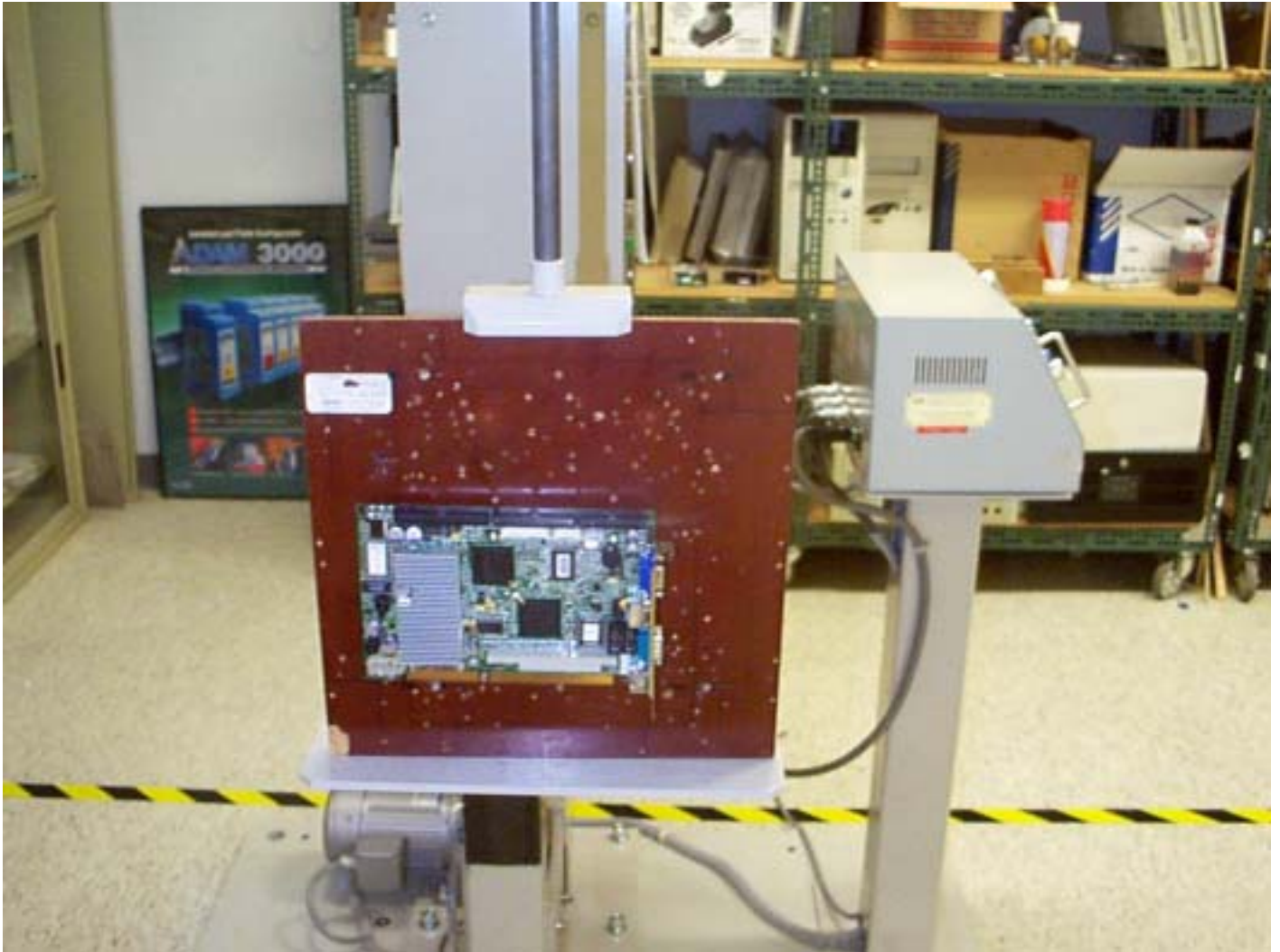
PHOTO I:



PCA-6751 for solder side test

QA Lab Reliability test

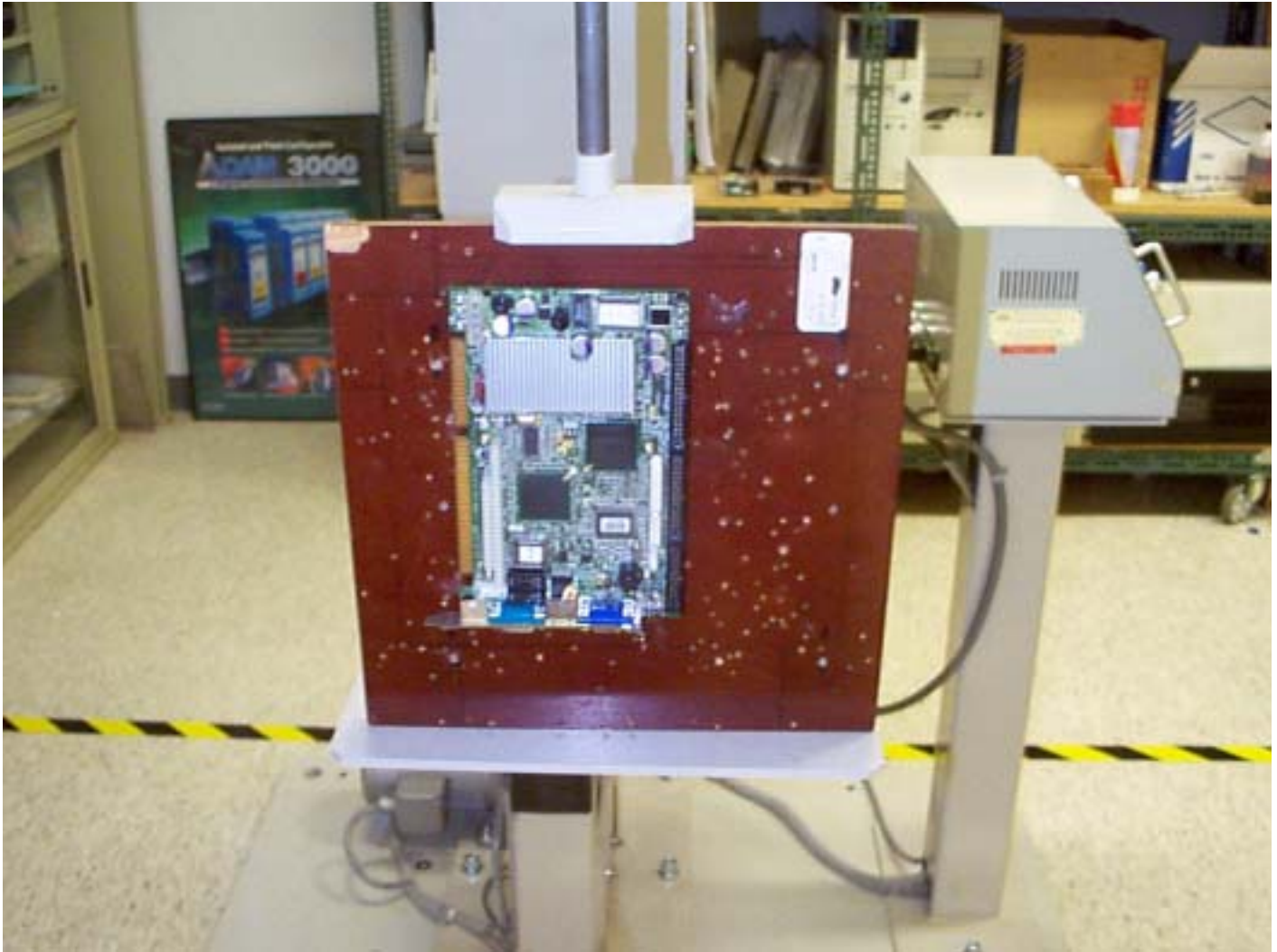
PHOTO II:



PCA-6751 for top and down side test

QA Lab Reliability test

PHOTO III:



PCA-6751 for front and rear side test