1. Classification	Confidential
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Magnet Spine Vendor Test Program Installation SOP

(PTK)Business Unit 3–R&D Div.2–Automation Tool & Software Development Dept.

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Revision History

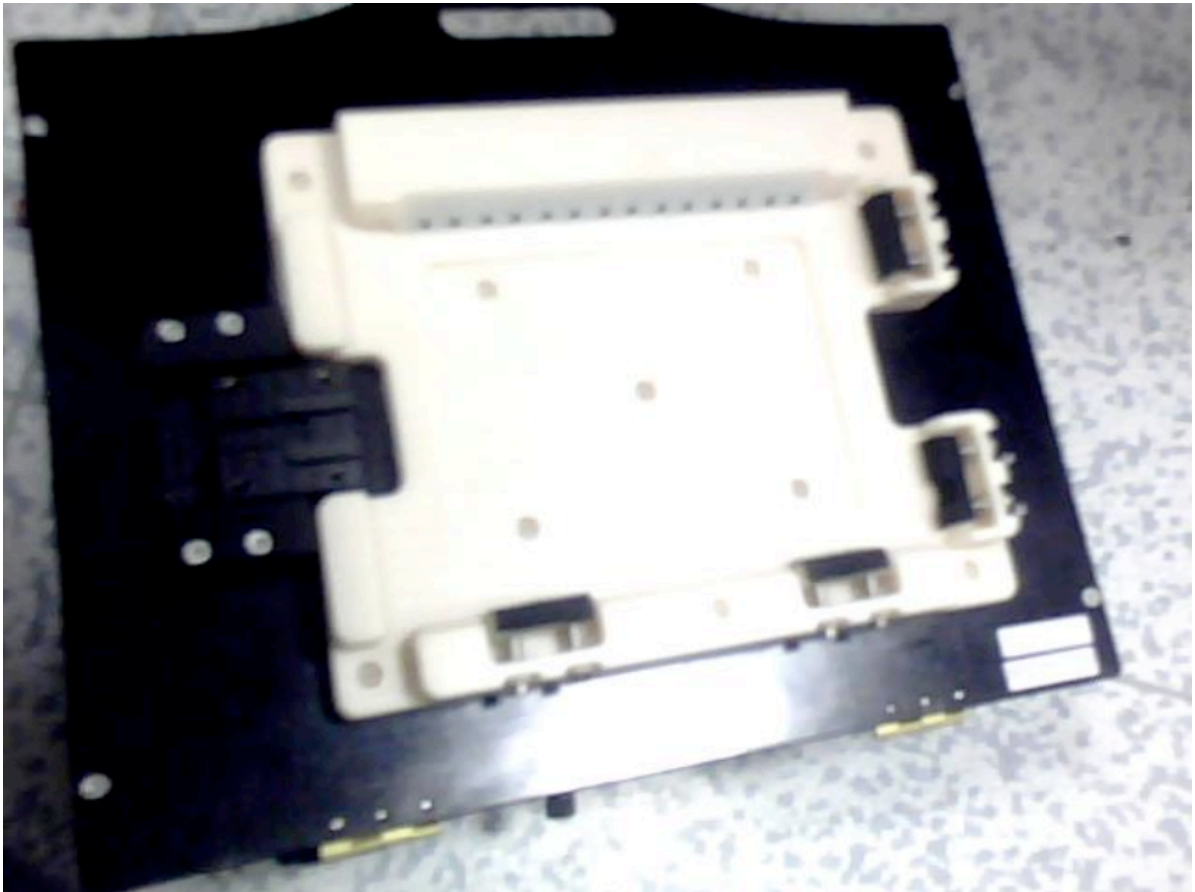| Date	Description	Old Version	New Version
2012/08/06	First version	---	V0.01
2012/08/07	Folder name obfuscation	V0.01	V0.02
2012/08/17	Add install Library driver process	V0.02	V0.03
2013/04/25	1.Combine two packages. 2.Install Muifa.app to /Applications	V0.03	V0.04

Table of Contents

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vironment Setup

1.1 Equipment & Fixture

    a. Mac Mini
    b. LCD monitor
    c. Mini Display port to VGA Adapter
    d. Mouse
    e. Keyboard
    f. Magnet Spine Fixture

1.2 Test Software

1.2.1 Files:

1. USB driver: FTDIUSBSerialDrive.pkg
2. Instrument Library driver: PegatronFrameworks_v1.0d0817.mpkg
3. Magnet Spine Test program: PegatronMuifa_v1.0d0817.mpkg
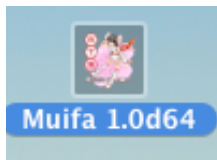
1.2.2 Installation process:

1. Unzip FTDIUSBSerialDrive.pkg.zip and double click the mpkg file to install.

2. Following the step in installation screen to finish installation.

3. Double click the PegatronMuifa20130425.mpkg file and follow the steps to finish installation.

4. After installation, the icon can be seen in applications.
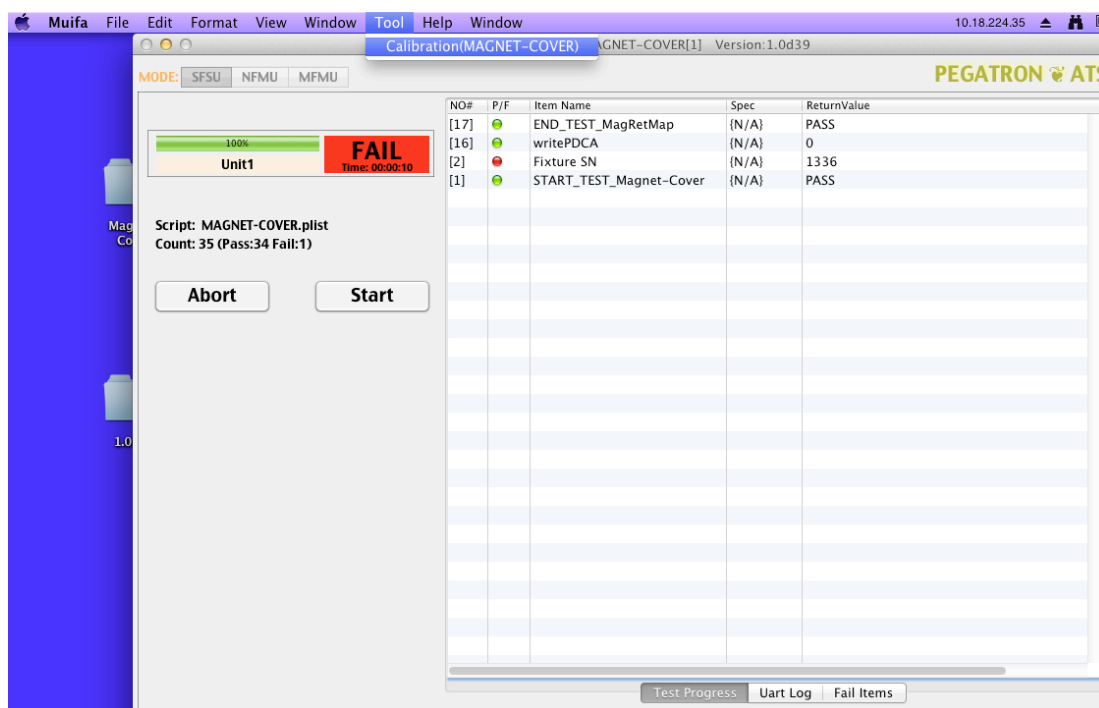

Muifa 1.0d64

1.3 Fixture Connection

1. Connect mac mini, Monitor, Mouse, Keyboard.
2. Fixture USB connects to mac mini and exactly connects Grounding.

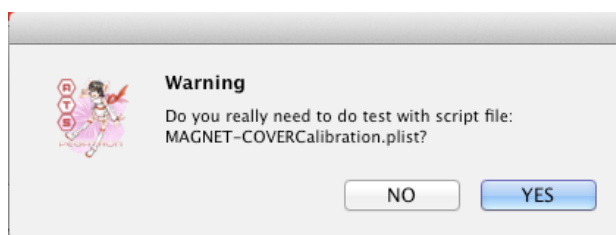Pegatron HHD BU3 Strictly Confidential

Calibration Description

2.1 Test Flow

1.Before starting test, the fixture needs to be calibrated. How you change the test mode as calibration mode is clikc "Tool" after successfully open the test program and then choose Magnet-Spine Calibration.plist. A pop-up window shows up, as picture 2.1 and ask if you do want to do calibration (picture 2.2). Choose YES and then test program change to Calibration mode successfully.

Note：Calibration needs to be done daily or when fixture is modified or replaced.

Picture 2.1

Picture 3.2

2.Click "Start" to start calibration.
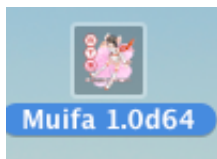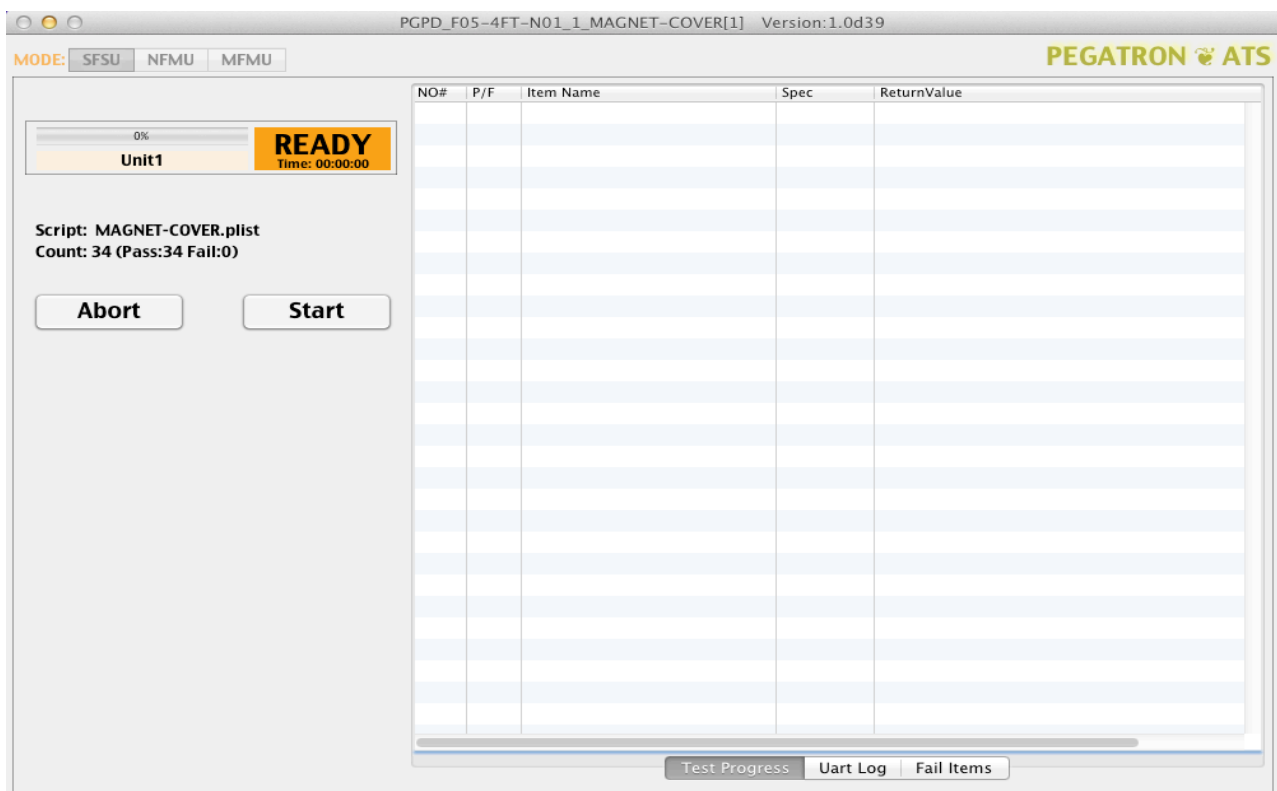Note: Test program pop-up window to remind user remove any magnetical material

3.

Test Software Overview

3.1 Test Flow

Double click the Mufia 1.0d64 application.

If fixture is correctly connect to macmini and powered on, you should be able to see UI as picture 3.1.

picture 3.1

– Test process:

    1) Scan Housing SN.

    2) Put the housing into holder carefully. The side with spring wall should be pushed with housing first and then slide the housing into holder.

    3) Use four fingers push housing's four corners make sure it totally closes to Holder surface.

    4) Slightly adjust housing position to make sure housing close to Left-down side of

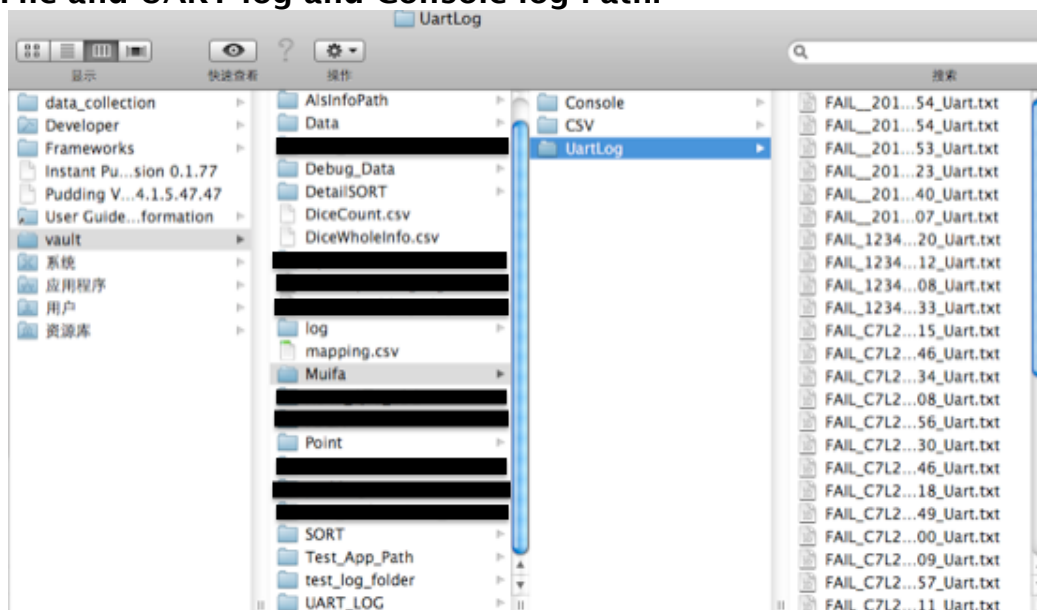Pegatron HHD BU3 Strictly Confidential

the holder as shown in picture。

picture 3.2

5) Click "START" button, test program starts testing.

6) While test finish, program shows GREEN Pass or RED Fail in UI.
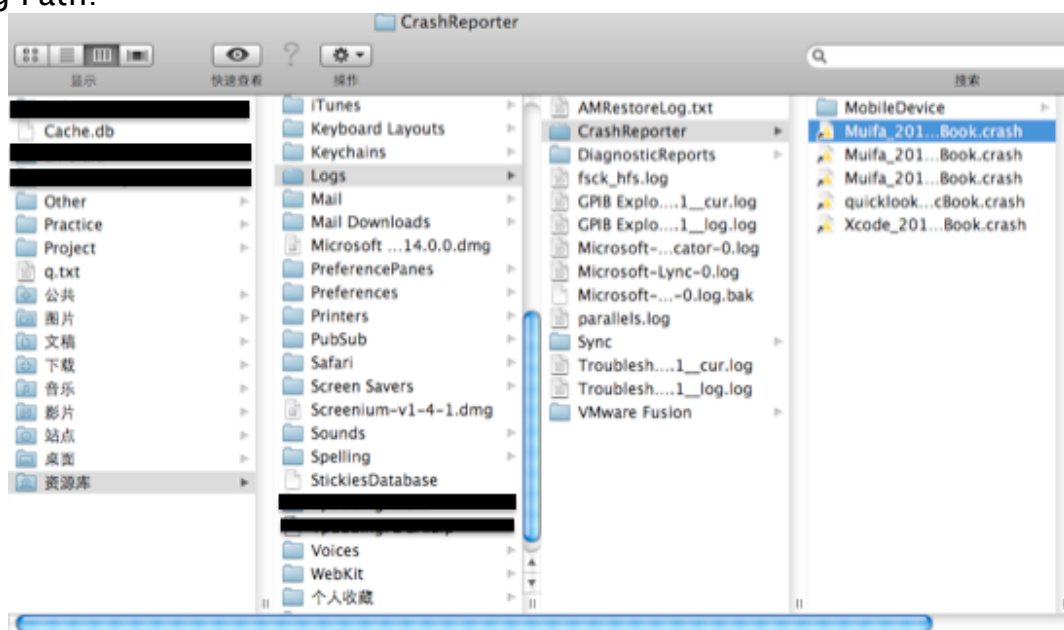
7) Carefully take the housing out from fixture.

3.2 Log File Location

CSV_LOG File and UART log and Console log Path:

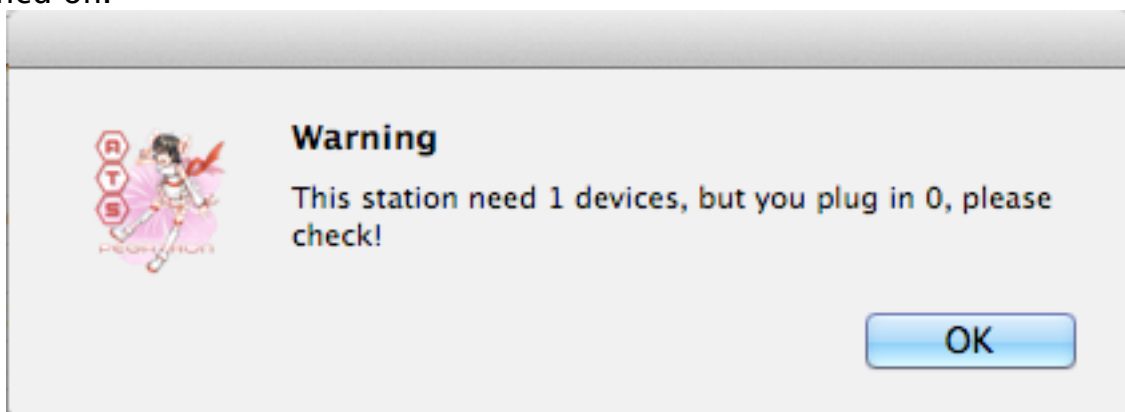Pegatron HHD BU3 Strictly Confidential

picture 3.3

Crash Log Path:

picture 3.4

ation Trouble Shooting

4.1 Q&A

1）If show up picture 4.1, it often means fixture USB not connect well or fixture power is not turned on.

Picture 4.1

2）If show up picture 4.2, it often means calibration is not done correctly.

Picture 4.2

4.2 LOGs need to be sent for help：

1. UART LOG, CSV LOG, Console.
2. If test program crashes for some reason, send Crash Log.