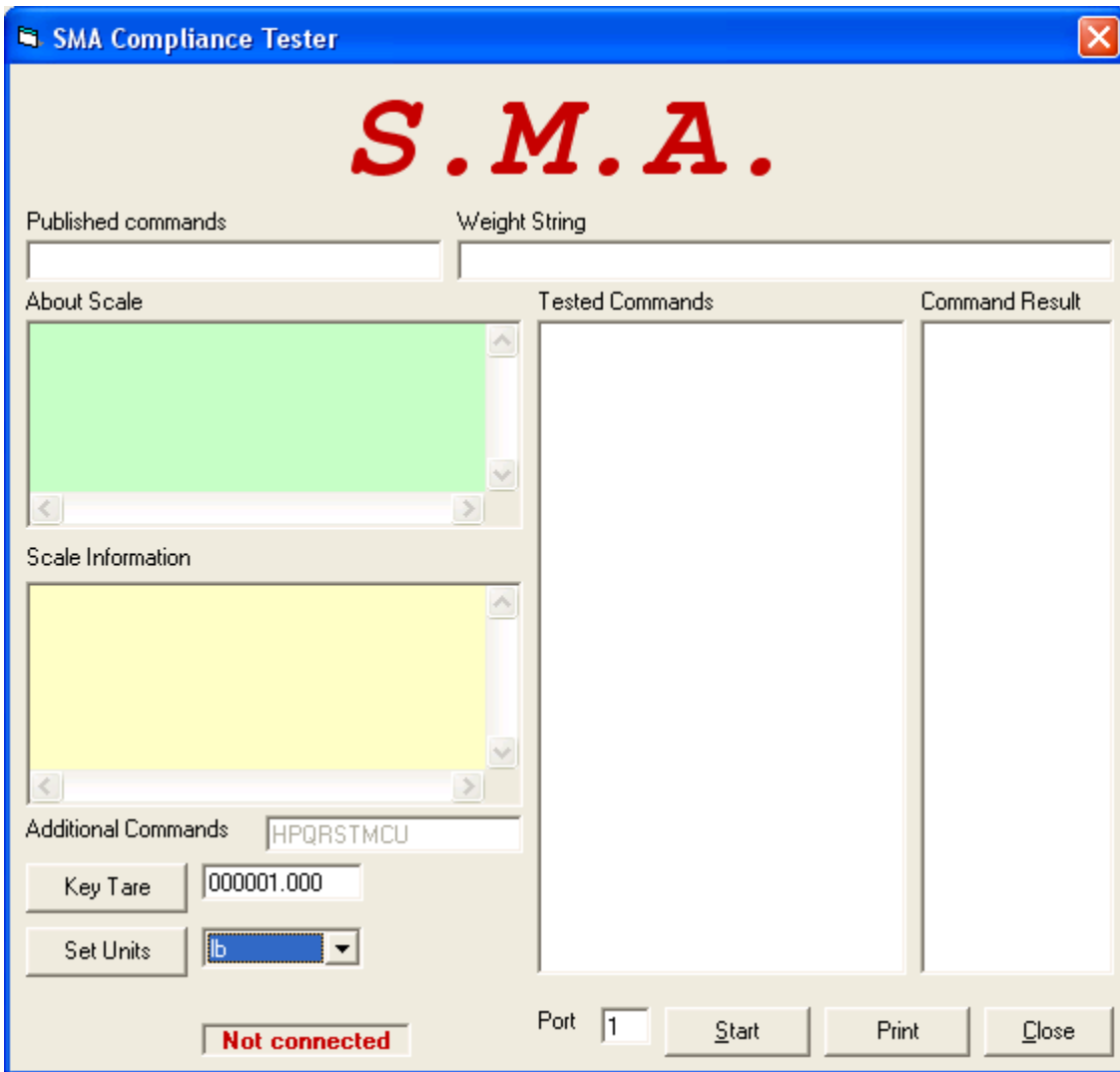# Scale Manufacturers Association
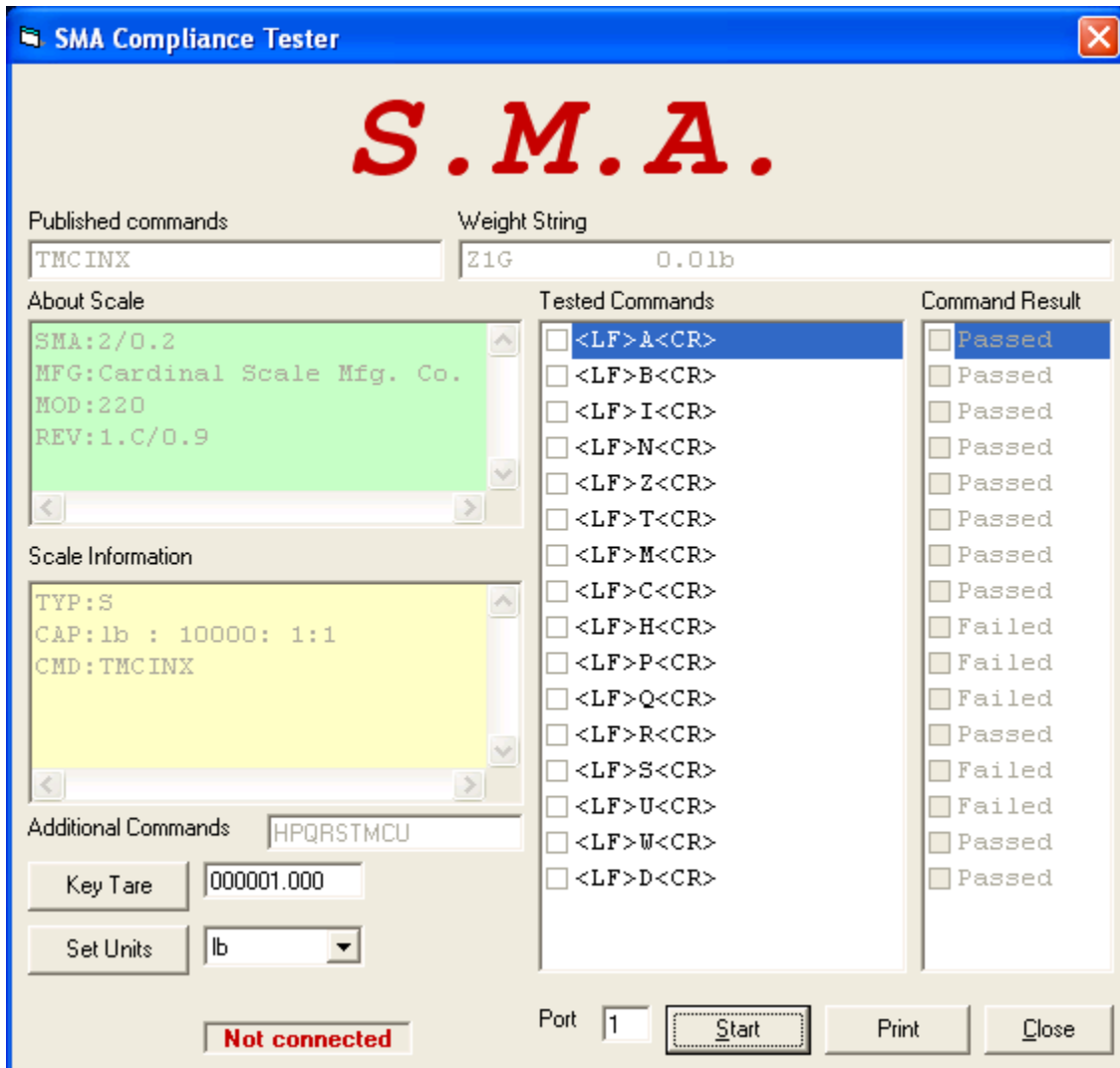
Serial Protocol Tester

Operation

This tester provides pass/fail testing of the level 1 and level 2 SMA command set. To conduct the test, simply set the target indicator communication parameters to 8 data bits, No parity, and 1 stop bit. Next connect the device to the desired serial port and verify the correct port number is selected in the SMA tester software as shown below.

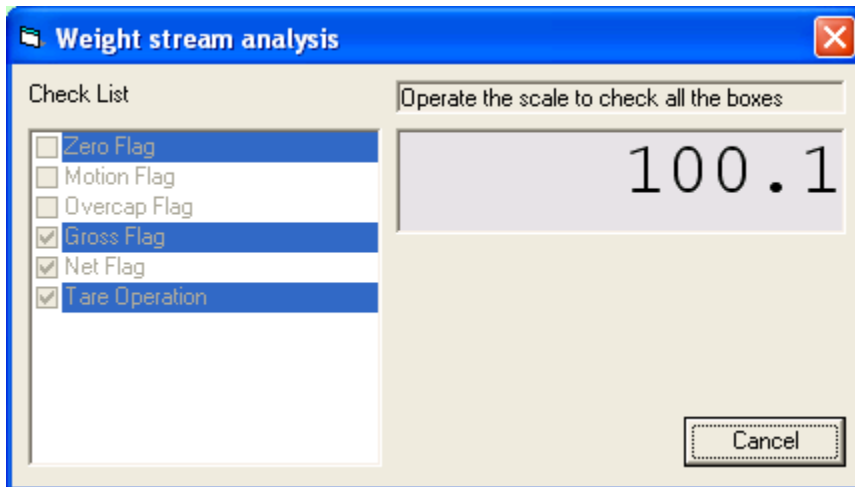**SMA Command Check**

If the device is configured with the standard SMA communication settings and connected to the serial port, press the 'Start' button to initiate the test. The status for each tested command will be displayed in the command result list box. If for any reason individual commands needed to be re-run they can be started by clicking the check box next to each command as shown below.
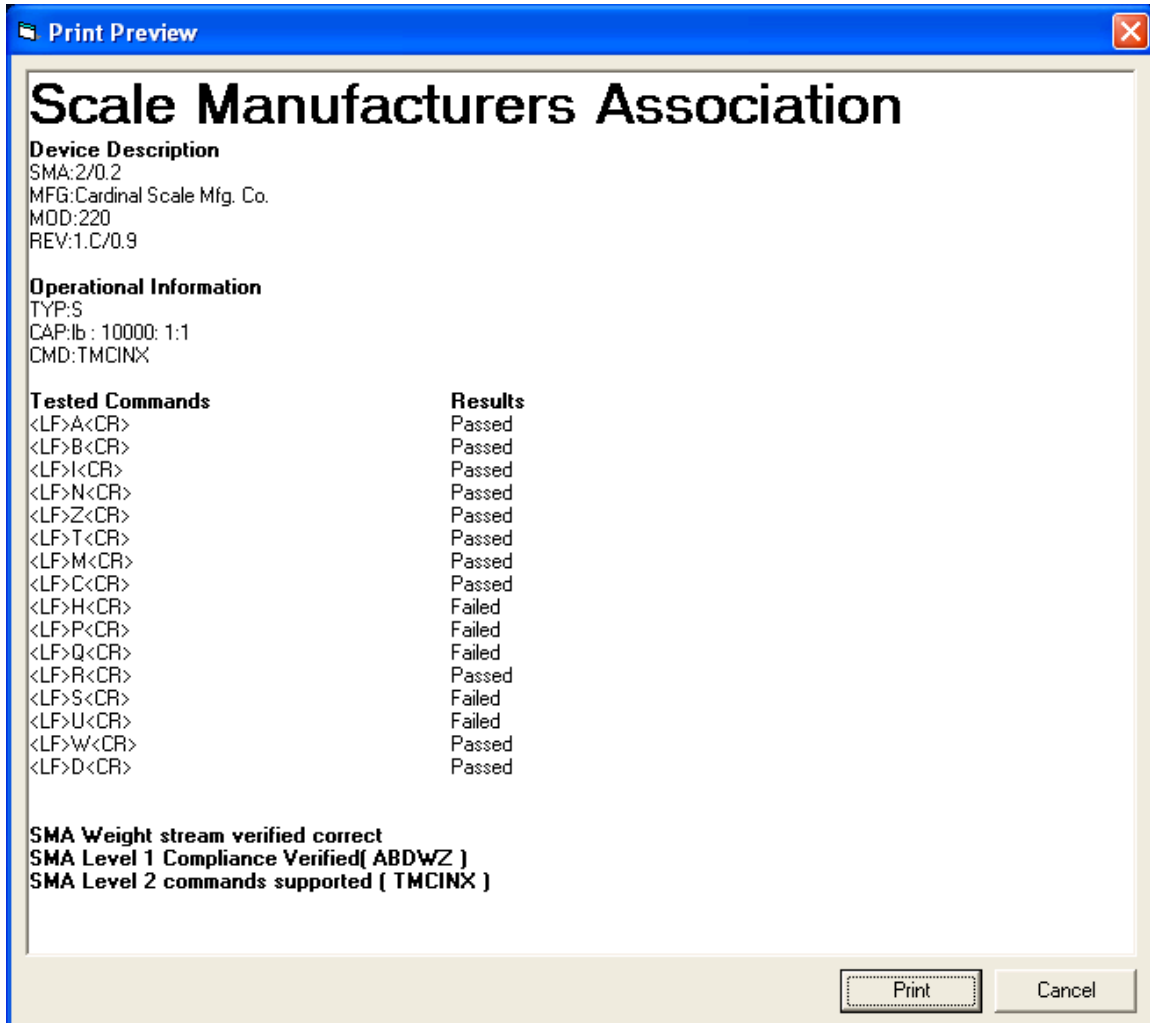
SMA Weight Stream Status Verification

After the command test is completed the status flags are checked as shown in the dialog below. To complete this test, operate the device to provide each of the status flag indications. When all flags are verified the dialog will disappear and the summary of the test is displayed

Testing Summary Window

Op completion of the weight stream analysis, the following summary is displayed and can be printed.

```
Print Preview                                                        ✕

Scale Manufacturers Association
Device Description
SMA:2/0.2
MFG:Cardinal Scale Mfg. Co.
MOD:220
REV:1.C/0.9

Operational Information
TYP:S
CAP:lb : 10000: 1:1
CMD:TMCINX

Tested Commands              Results
<LF>A<CR>                    Passed
<LF>B<CR>                    Passed
<LF>I<CR>                    Passed
<LF>N<CR>                    Passed
<LF>Z<CR>                    Passed
<LF>T<CR>                    Passed
<LF>M<CR>                    Passed
<LF>C<CR>                    Passed
<LF>H<CR>                    Failed
<LF>P<CR>                    Failed
<LF>Q<CR>                    Failed
<LF>R<CR>                    Passed
<LF>S<CR>                    Failed
<LF>U<CR>                    Failed
<LF>W<CR>                    Passed
<LF>D<CR>                    Passed


SMA Weight stream verified correct
SMA Level 1 Compliance Verified( ABDWZ )
SMA Level 2 commands supported ( TMCINX )

                                        Print        Cancel
```

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