

Adapter/Charger ATS

MODEL 8020

Key Features :

- Be able to test multiple UUTs concurrently that improve productivity significantly
- Equipped with both of the test performance of 6000 ATS and the flexible hardware architecture of 8000 ATS
- Provide optimized standard test items for the Unit Under Test (adapter/charger) to deliver excellent test performance
- Easy-to-use software function specially designed to meet the production line needs
- Flexible software platform with the following functions
 - Test Program editor
 - Test Report format editor
 - Test Report Generator
 - Statistics Analysis Report editor
 - User level setting
 - Release control
 - Activity log
 - Supporting bar code reader
- New test items and extended hardware are able to expand to fulfill the new requirements for the PC industry
 - Output voltage monotonic rise test
 - Average efficiency test that complies with Energy Star
- Lower chassis (15U) specially designed more meet to the production line
- Windows 98/2000/NT/XP software platform



ADAPTER / CHARGER ATS

MODEL 8020

Chroma 8020 Adapter/Charger ATS is the best test system for testing Adapter and Charger in the production line. 8020 is able to test multiple UUTs concurrently that improve productivity significantly, the hardware architecture is also as flexible as Chroma 8000 ATS. There are many hardware devices available for selection such as AC Power Supply, Electronic Load, Timing/Noise Analyzer and Power Meter.

Chroma 8020 has standard test items specially customized and optimized for the features of Adapter and Charger that provides excellent test performance to meet the requirements of mass production. Meanwhile, the software equipped is very friendly and easy to operate that is suitable for production line use.

New test items and extended hardware are expanded to Chroma 8020 ATS for the new test requirements in the Adapter/Charger industry, such as average efficiency to

comply with Energy Star requirement, voltage monotonic rise test and etc.

Furthermore, the up-coming test requirements for the Adapter/Charger industry can add report generation, statistics analysis and management functions flexibly of Chroma 8020 ATS that are able to create test reports and conduct system management to satisfy the modernized quality assurance and production line needs. Moreover, the ATS is able to connect with Shop Floor system to control the production flow.

Chroma 8020 ATS runs under the easy-to-learn Windows 98/2000/NT/XP environment with a specialized power test system for test engineers so that they can utilize the Windows resources easily.

Optimized Test Items

Chroma 8020 ATS equipped with the optimized standard test items for Adapter/Charger (the Unit Under Test) and all users need to do is to define the test conditions and specifications for the standard test items to perform the test.

The optimized test item covers 7 kinds of power test requirements. The OUTPUT PERFORMANCES inspect the common features of UUT. The INPUT CHARACTERISTIC checks the power supply input parameters. The REGULATION TESTS measure the UUT stability at power input and during load change. TIMING & TRANSIENT tests the transient state during power-on and power-off as well as the timing of each event. The PROTECTION TESTS trigger the protection circuit, while SPECIAL TESTS and SPECIAL FEATURES provide special functions and methods for testing power supply.

OUTPUT PERFORMANCES

1. DC output voltage
2. DC output current
3. DC output power
4. Peak-to-Peak noise
5. RMS noise
6. Efficiency
7. In-test adjustment
8. Overshoot voltage

INPUT CHARACTERISTICS

9. Input Inrush current
10. Input RMS current
11. Input power
12. Input power factor
13. AC Cycle Drop Out
14. Input Voltage Ramp

REGULATION TESTS

15. Line regulation
16. Load regulation
17. Combine regulation
18. Dynamic load regulation
19. Sync. dynamic load regulation

TIMING & TRANSIENT

20. Power up sequence
21. Rise time
22. Fall time
23. Power off time

PROTECTION TESTS

24. Short circuit
25. Over load protection

SPECIAL TESTS

26. Voltage monotonic rise test
27. Average efficiency test

SPECIAL FEATURE

28. TTL signal control
29. Relay control



Adapter



Charger

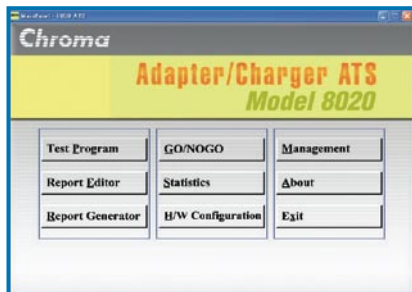
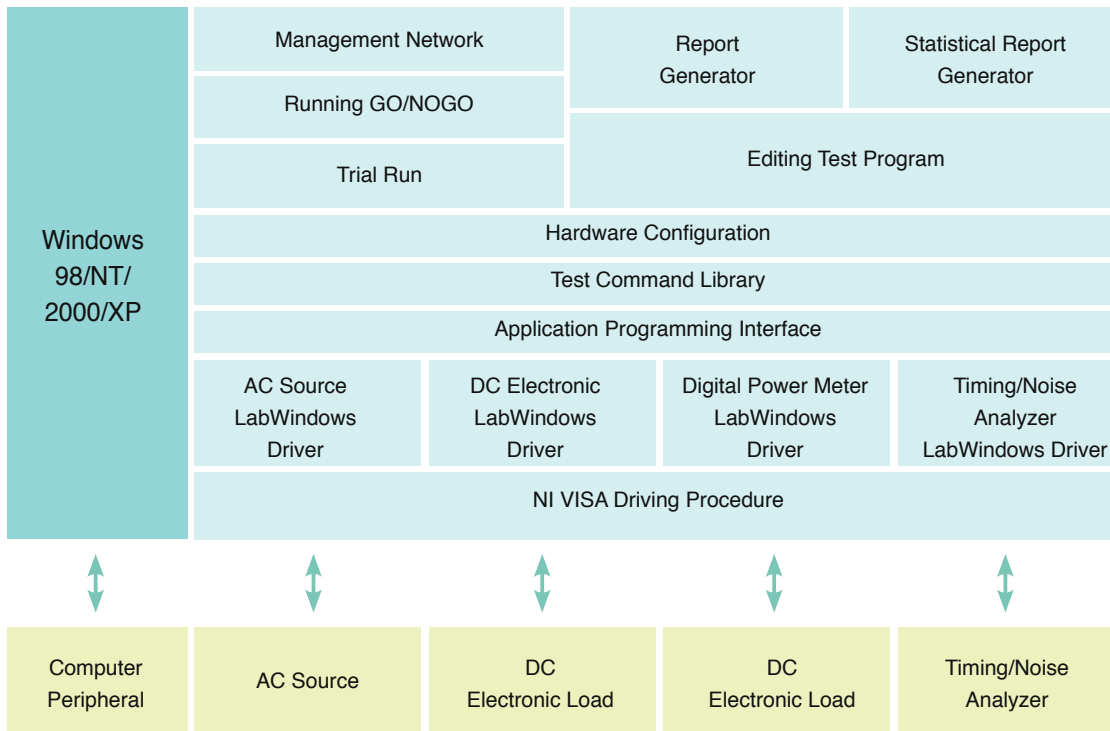
15U



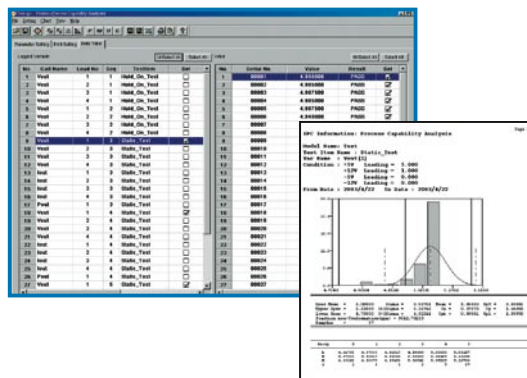
Software Platform of ATS

The software platform of Chroma 8020 ATS is particularly designed to meet the needs of production line with simple operation.

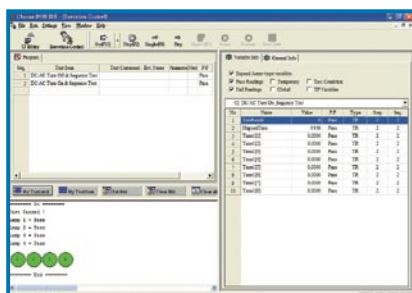
The software of Chroma 8020 ATS runs under Windows 98/2000/NT/XP environment that provides necessary support to the linked devices.



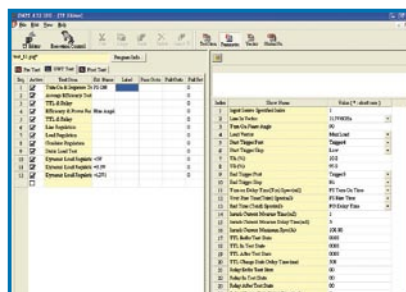
Software Main Screen



Statistical Report



Running GO/NOGO



Test Program Editing

High Performance Equipment



1. Digital Power Meter : Chroma 66200 Series
2. System Controller : Industrial PC
3. DC Electronic Load : Chroma 6330 Series
4. Timing/Noise Analyzer : Chroma 80611 + 80611N + A806102
5. AC Power Supply : Chroma 6500/61500/61600 Series

Ordering Information

8020 : Adapter / Charger ATS
80611 : Timing/Noise Analyzer
80611N : Timing/Noise Module
5004ATM : System Controller
A800004 : 19" Rack for Model 8020
A806102 : Digital Output Module
A800035 : Monotonic Rise Detector

DC Electronic Load : Refer to Model 6330 Series
Digital Power Meter : Refer to Model 66200 Series
AC Source : Refer to Model 6500, 61500, 61600 Series
Test Fixture for Model 8020

Developed and Manufactured by :

CHROMA ATE INC.

致茂電子股份有限公司

HEADQUARTERS

No.66, Hwaya 1st Rd., Hwaya
 Technology Park, Kueishan 33383,
 Taoyuan, Taiwan
 Tel: +886-3-327-9999
 Fax: +886-3-327-8898
<http://www.chromaate.com>
 E-mail: chroma@chroma.com.tw

U.S.A.

CHROMA ATE INC. (U.S.A.)
 7 Chrysler Irvine, CA 92618
 Tel: +1-949-421-0355
 Fax: +1-949-421-0353
 Toll Free: +1-800-478-2026

EUROPE

CHROMA ATE EUROPE B.V.
 Morsestraat 32, 6716 AH Ede,
 The Netherlands
 Tel: +31-318-648282
 Fax: +31-318-648288

CHINA

**CHROMA ELECTRONICS
 (SHENZHEN) CO., LTD.**
 8F, No.4, Nanyou Tian An
 Industrial Estate, Shenzhen,
 China PC: 518054
 Tel: +86-755-2664-4598
 Fax: +86-755-2641-9620

Distributed by:

Worldwide Distribution and Service Network
 8020-200712-1000