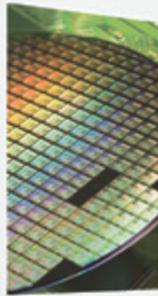




Chroma

Turnkey Test & Automation Solution Provider

Company Profile
2015



Test and Automation turnkey solution provider™

*Founded in 1984, **Chroma ATE Inc.** is a world leading supplier of precision Test and Measurement Instrumentation, Automated Test Systems, Manufacturing Execution Systems and Turnkey Test and Automation Solutions marketed globally under the brand name "Chroma".*

Significant markets Chroma serves include LED, photovoltaic, Li-battery, electric vehicle (EV/EVSE), semiconductor/IC, optical device, flat panel display, video and color, power electronics, passive component, electrical safety, and thermoelectric test, as well as automated optical inspection and manufacturing execution systems.

Chroma's vision is to develop globally leading products as a world-class enterprise. To achieve this, Chroma devotes a significant amount of investment and resources in research and development in order to produce exceptional products of precision, reliability and valuable unique test solutions for technology industries. To sustain as a world-class enterprise, Chroma nurtures its brand as one of innovation, continuous improvement, and globalization ensuring its leading technology and integration capabilities in optics, mechanics, electronics, thermal control and software provide competitive advantages and future growth for the company.

Chroma has branch offices in Europe, the United States, Japan and mainland China chartered to deliver innovative technologies with high value-added service to satisfy our global customers' demands.

At a Glance

Founded	創立	Nov., 1984
Paid-in Capital	實收資本額	NT\$ 3.79 Billion / US\$ 126.3 Million
IPO	股票上市	Dec., 1996 (TAIEX : 2360)
Chairman & CEO	董事長兼總經理	Leo Huang 黃欽明
Employees	員工人數	Global 全球1,850/ Taiwan 台灣1,400 (as of Jan. 2015)
Revenue	營業額	NT\$ 5.14 Billion / US\$ 171.2 Million (2014, NT\$: US\$ = 30 : 1) NT\$ 10.31 Billion / US\$ 343.7 Million (2014 Consolidated 合併營收)
Headquarters	營運總部	Taoyuan, Taiwan 台灣桃園
Products	主要產品	Test & Measurement Instruments 精密電子量測儀器 Automated Test Systems 自動化測試系統 Manufacturing Execution Systems 製造資訊系統 Turnkey Solutions 整合式解決方案

Honor



Chroma ATE Inc. granted 1st Taiwan Mittelstand Award from the Ministry of Economic Affairs in 2013.

This award is officially bestowed upon Chroma ATE Inc. in recognition of its unique, key expertise and remarkable global competitiveness. Chroma's outstanding performance is acknowledged as a benchmark to all enterprises.

Corporate Highlights

Chroma ATE Inc.(U.S.A.) established	1993	成立 Chroma ATE Inc. (U.S.A.)
Granted ISO 9002	1994	通過ISO 9002認證
Chinese National Laboratory Accreditation authenticated laboratories established	1995	CNLA認證實驗室成立
Initial Public Offering in Taiwan	1996	股票在台掛牌上市
Granted ISO 9001	1997	通過ISO 9001認證
Granted Industrial Technology Development Award from the Ministry of Economic Affairs	1998	榮獲經濟部頒發產業科技發展獎
Chroma Electronics (Shenzhen) Co., Ltd. established		成立中茂電子(深圳)有限公司
Chroma ATE Europe B.V. established	1999	成立 Chroma ATE Europe B.V.
Taoyuan factory grand opening		桃園新廠啓用
Acquired Zentech Technology Inc.	2000	合併詮華科技股份有限公司
Chroma Systems Solutions, Inc. (CSS) established	2001	成立 Chroma Systems Solutions, Inc. (CSS)
Hsinchu Science Park branch established	2002	成立竹科分公司
Advanced Technology Research Center established	2003	成立創新技術研發中心
20th anniversary and Taoyuan new headquarters grand opening	2004	20週年慶暨桃園營運總部落成啓用
Mechatronics System Center established	2005	成立機電系統整合中心
Spun off Special Material Business Unit and formed a new subsidiary Chroma New Material Corp.	2006	分割特殊材料事業部, 成立日茂新材料股份有限公司
China Suzhou factory grand opening		蘇州新廠落成啓用
Acquired MAS Automation Corp.	2007	合併威光自動化科技股份有限公司
Acquired Sajet Technology Co., Ltd. and formed MES Business Unit		合併神傑科技股份有限公司 成立製造資訊系統事業部
New subsidiary Testar Electronics Corp. established		成立晶測電子股份有限公司,
Chroma Japan Corp. established	2008	成立 Chroma Japan Corp.
Granted Year 2008, ISO 9001	2009	通過 2008 年之 ISO 9001 認證
Acquired Raster Opto-Mechatronics Co.,Ltd.		合併博測光機電股份有限公司
Kaohsiung factory new site expansion	2010	高雄新廠擴充
Granted ISO/TS 16949 Automotive Certification		通過汽車產業之 ISO/TS 16949 認證
Acquired Wise Life Technology Co.,Ltd.	2011	合併致惠科技股份有限公司
Chroma Systems Solutions, Inc. acquired QuadTech Inc.	2012	Chroma Systems Solutions, Inc. 合併QuadTech Inc.
Granted 1 st Taiwan Mittelstand Award from the Ministry of Economic Affairs	2013	榮獲經濟部頒發第一屆卓越中堅企業殊榮

Chroma Group

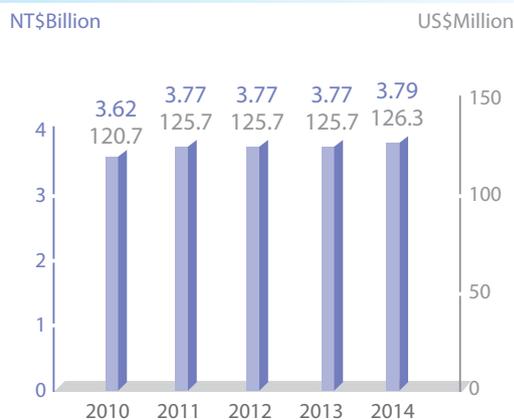
CHROMA GROUP 致茂電子集團			
CHROMA ATE INC. 致茂電子			
Newworld H.K. 香港新滙電子	Chroma Investment 合茂投資	MAS Automation/Taiwan 威光自動化/台灣	ADIVIC Technology 匯宏科技
Chroma/Beijing 中茂/北京	Chroma/USA 致茂/美國	MAS Automation/Nanjing 威光自動化/南京	EVT Technology 易維特科技
Chroma/Shanghai 中茂/上海	Chroma/Netherlands 致茂/荷蘭	MAS Automation/Xiamen 威光自動化/廈門	Testar Electronics 晶測電子
Chroma/Suzhou 致茂/蘇州	Chroma/Japan 致茂/日本		Chroma New Material 日茂新材料
Chroma/Chongqing 中茂/重慶			DynaScan Technology 光遠科技
Chroma/Xiamen 致茂/廈門			ADLINK Technology 凌華科技
Chroma/Shenzhen 中茂/深圳			
Chroma/Dongguan 中茂/東莞			

Global Operation Sites

 <p>Taiwan</p>	 <p>Hsinchu Science Park</p>	 <p>Nanzi, Kaohsiung</p>		
	 <p>Japan</p>	 <p>Shinyokohama</p>		
 <p>China</p>	 <p>Shenzhen</p>	 <p>Suzhou</p>	 <p>Shanghai</p>	 <p>Beijing</p>
	 <p>Irvine, CA</p>	 <p>Foothill Ranch, CA</p>	 <p>Europe</p>	 <p>Ede, Netherlands</p>

Financial Overview

Capitalization 資本額

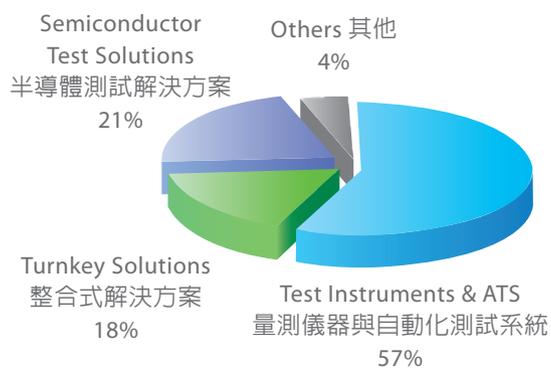


Revenue 營業額



Sales Distribution 產品銷售分佈

Year : 2014



Net Income 稅後盈利



R&D Employees 研發人員



R&D Expenditure 研發費用



Note : US\$: NT\$ = 1 : 30

Turnkey Test & Automation Solutions

Automation Integration
自動化整合

Test & Measurement Technology
電子量測技術

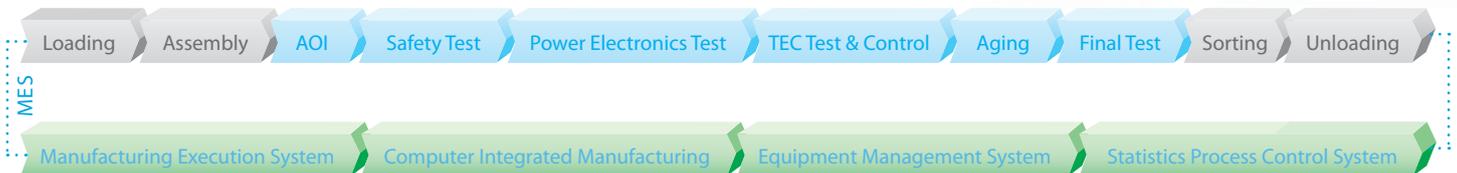
Manufacturing Execution System
製造資訊系統



SOLUTIONS

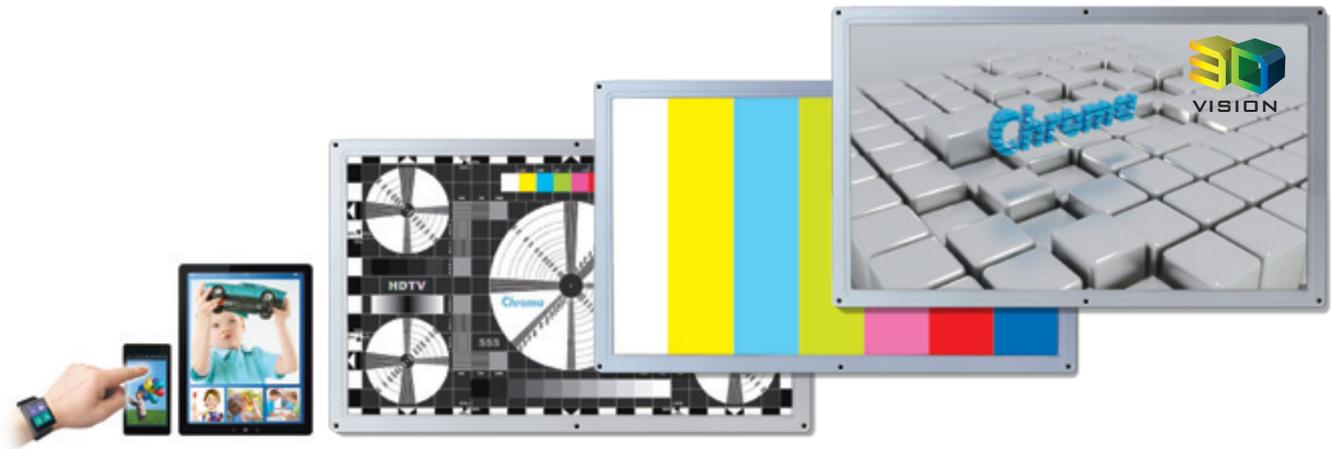
- ☑ 3C Device Automatic Testing
- ☑ Battery Pack Automatic Assembly
- ☑ Passive Component Testing & Packing
- ☑ LED Lighting Automatic Assembly & Testing
- ☑ Battery Cell Formation
- ☑ Photovoltaic Automatic Testing & Sorting
- ☑ Flat Panel Display Burn-in & Testing
- ☑ IC (CIS) Automatic Testing & Sorting

Assembly & Test Automation



Flat Panel Display/Video & Color Test Solutions

4K
UHD

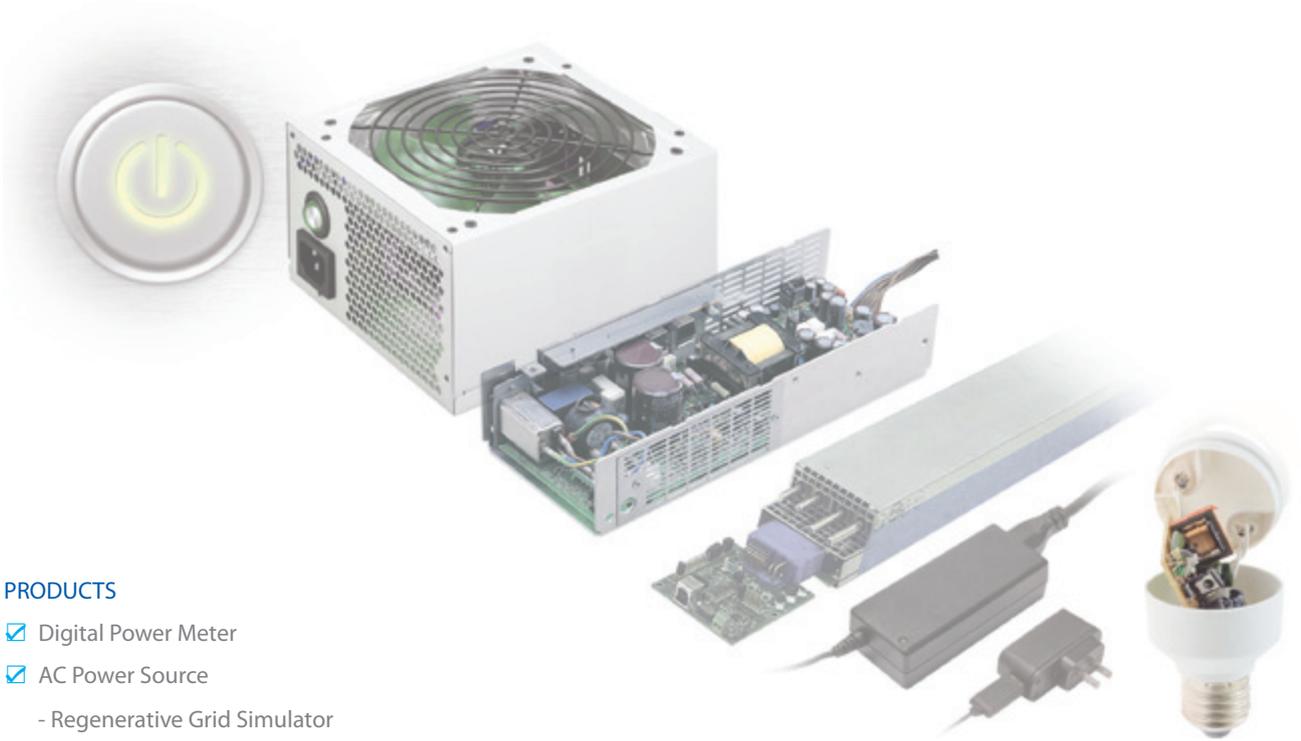


PRODUCTS

- ✓ OLED Lifetime Test System
- ✓ OLED Display Shorting Bar Pattern Generator
- ✓ Touch Panel Defect Inspection System
- ✓ 3D Optical Profiler
- ✓ Multi-Functional Optical Profiling System
- ✓ Flat Panel Display Aging Chamber
- ✓ LCM Tester
- ✓ LCM ATS
- ✓ LCM Pattern Generator Card
- ✓ Spectrocolorimeter
- ✓ Video Pattern Generator
- ✓ Display Color Analyzer
- ✓ HDMI Distributor
- ✓ MHL/SDI Module
- ✓ Pattern Analyzer
- ✓ Front Projector ATS
- ✓ FPD AOI System
- ✓ Display Multi-probe ATS
- ✓ TV/Monitor PCBA ATS



Power Electronics Test Solutions



PRODUCTS

- Digital Power Meter
- AC Power Source
 - Regenerative Grid Simulator
- DC Power Supply
 - Solar Array Simulator
- DC Electronic Load
 - LED Load Simulator
- AC/DC Electronic Load
- Automated Test System
 - Adapter/Charger ATS
 - Switching Power Supply ATS
 - Battery Pack ATS
 - VMS ATS
 - LED Power Driver ATS
 - PV Inverter ATS



Electrical Safety/Passive Component Test Solutions

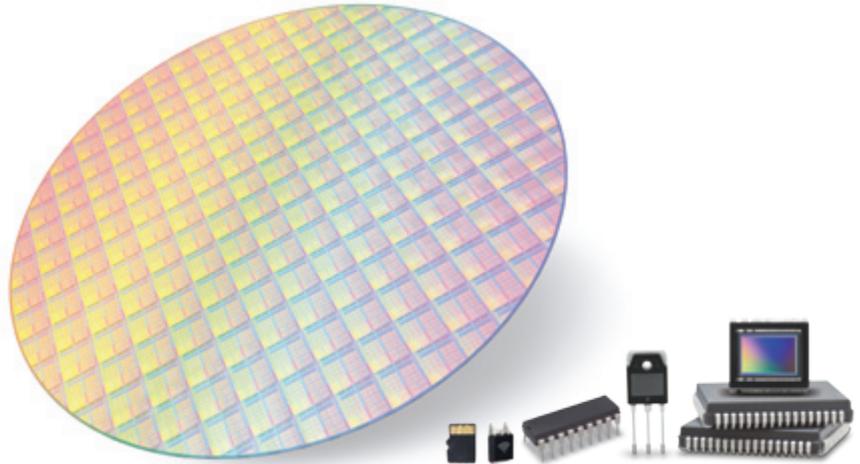


PRODUCTS

- ✓ Impulse Winding Tester
- ✓ Hipot Tester
- ✓ Ground Bond Tester
- ✓ Electrical Safety Test Scanner
- ✓ Wound Component EST Analyzer
- ✓ Electrical Safety Analyzer
- ✓ High Capacitance Electrolytic Capacitor ATS
- ✓ Electrical Equipment ATS
- ✓ Medical Electrical Safety ATS
- ✓ Automatic Transformer Tester
- ✓ LCR Meter
- ✓ Capacitor Leakage Current/IR Tester
- ✓ Milliohm Tester
- ✓ Component Test Scanner
- ✓ Ripple Current Tester
- ✓ Programmable HF AC Tester
- ✓ Magnetic Component Test System
- ✓ Inductor ATS
- ✓ Capacitor Test System
- ✓ Bias Current Test System
- ✓ Component ATS
- ✓ Electrical Double Layer Capacitor ATS
- ✓ EDLC LC Monitoring System



Semiconductor/IC Test Solutions

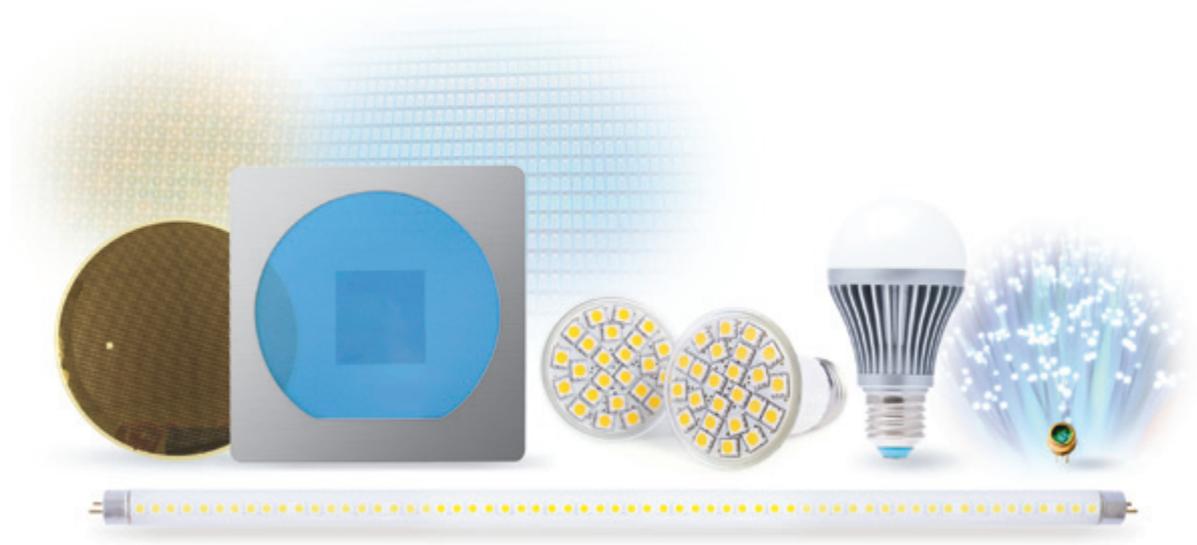


PRODUCTS

- ✓ Programmable Pin Electronics Module
- ✓ Four Quadrant Programmable Power Supply
- ✓ High Precision Source Measure Unit
- ✓ VLSI Test System
- ✓ SoC/Analog Test System
- ✓ Tabletop Single Site Test Handler
- ✓ Die Test Handler
- ✓ Tri-temp Hybrid Single Site Test Handler
- ✓ Quad-site/Octad-site Test Handler
- ✓ RF Solution Integrated Handler
- ✓ Automatic System Function Tester
- ✓ CIS Turnkey Test Solution



LED & Lighting/Laser Diode Test Solutions

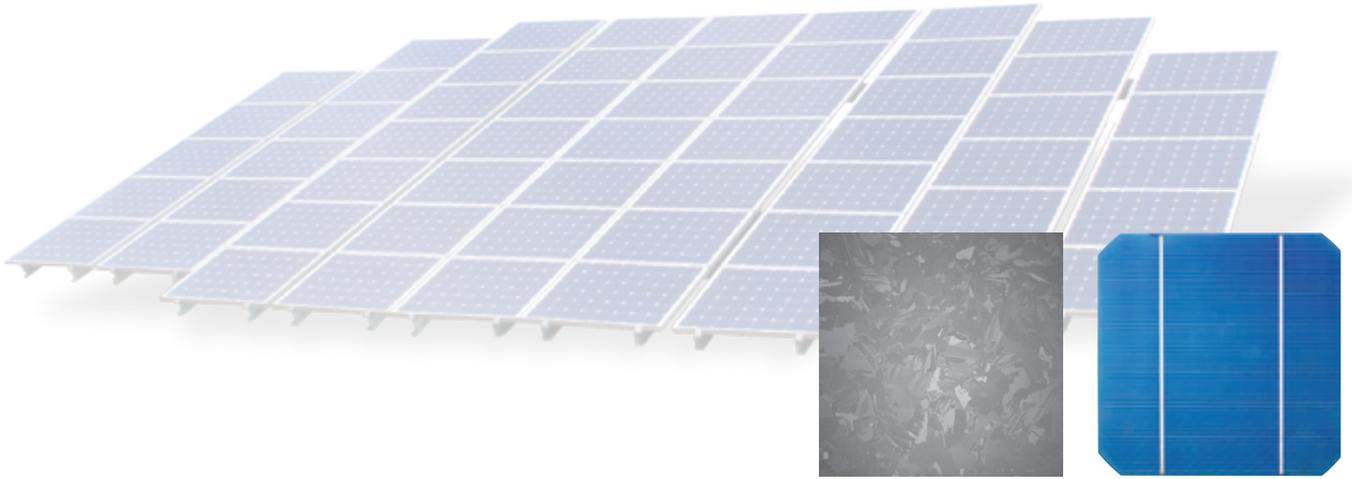


PRODUCTS

- ✓ Double Sided Wafer Inspection System
- ✓ LED Mapping Probe Tester
- ✓ LED Flip Chip Total Power Test System
- ✓ LED Light Bar Test System
- ✓ LED Light Bar Electrical Test System
- ✓ LED Burn-in Test System
- ✓ LED Luminaires Test System (For Laboratory)
- ✓ High Speed LED Bulb In-line Test System
- ✓ High Speed LED Tube In-line Test System
- ✓ LED Load Simulator
- ✓ LED Power Driver ATS
- ✓ Laser Diode Burn-In Test System
- ✓ Laser Diode Characterization System
- ✓ VCSEL Tester
- ✓ TO-CAN Laser Diode Burn-In System
- ✓ TO-CAN Package Inspection System



Photovoltaic Test Solutions

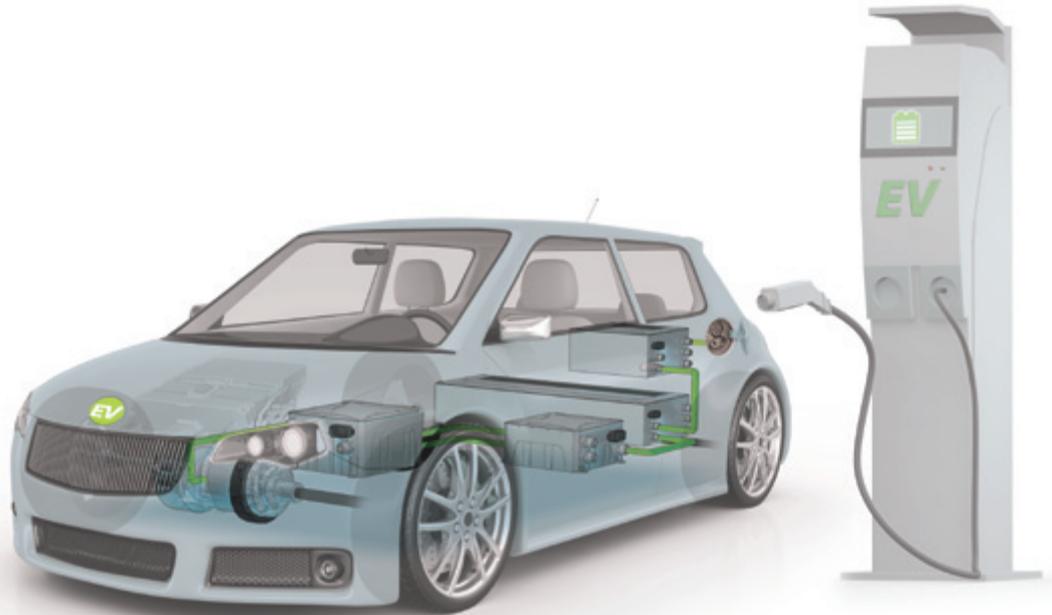


PRODUCTS

- ☑ Solar Wafer Inspection System
- ☑ Solar Wafer/Cell Diffusion Loader/Unloader Equipment
- ☑ Automatic Optical Solar Wafer/Cell Inspection System
- ☑ c-Si Solar Cell Tester
- ☑ Automatic Solar Cell Inspection Test/Sorting System
- ☑ Solar Array Simulator
- ☑ PV Inverter ATS



Electric Vehicle Test Solutions



PRODUCTS

- ✓ Electrical Safety Analyzer
- ✓ Battery Management System PCBA ATS
- ✓ Vehicle Management System ATS
- ✓ On-board Charger/DC-DC Converter ATS
- ✓ Hybrid Control Unit/DC-DC Converter ATS
- ✓ EV AC Charging Compatibility ATS
- ✓ Charger Station (EVSE) ATS



Worldwide first certification of SAE J1772 communication protocol charging station automatic test system (ATS)



Battery Test Solutions



PRODUCTS

- ✓ Recycling Li-ion Cell Formation System
- ✓ Battery Cell Charge/Discharge Test System
- ✓ Battery Cell OCV & ACR Test Equipment
- ✓ Battery Cell Barcode Binding Equipment
- ✓ Battery Cell Rework Sorter
- ✓ Battery Cell Reliability Test System
- ✓ Battery Cell Grouping Equipment
- ✓ Regenerative Battery Pack Test System
- ✓ Battery Pack ATS

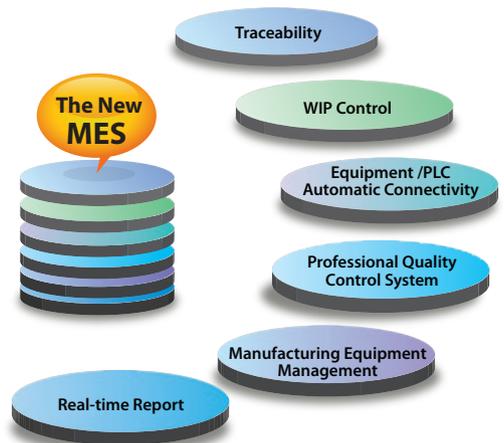


Manufacturing Execution Systems Solutions



PRODUCTS

- ✓ Manufacturing Execution System (MES)
- ✓ Shop Floor Control System (SFCS)
- ✓ Computer Integrated Manufacturing (CIM)
- ✓ Warehouse Management System (WMS)
- ✓ Equipment Management System (EMS)
- ✓ Statistics Process Control System (SPC)
- ✓ Hemodialysis Management System (HDMS)
- ✓ Fast Easy Player



Global Service Network

HEADQUARTERS

CHROMA ATE INC.

致茂電子股份有限公司

66 Huaya 1st Road, Guishan,
Taoyuan 33383, Taiwan
桃園市33383龜山區華亞一路66號
Tel: +886-3-327-9999
Fax: +886-3-327-8898
E-mail: info@chromaate.com
www.chromaate.com

Hsinchu 新竹

CHROMA ATE INC.

Hsinchu Branch Office

致茂電子股份有限公司
新竹分公司
6F, No. 5, Technology Rd.,
Science Park, Hsinchu City
30078, Taiwan
新竹市30078 科學工業園區
科技路5號6樓
Tel: +886-3-563-5788
Fax: +886-3-563-5758

KAOHSIUNG 高雄

CHROMA ATE INC.

Kaohsiung Branch Office

致茂電子股份有限公司
高雄分公司
No.1, Beineihuan E. Rd., Nanzi Dist.,
Kaohsiung City 81170, Taiwan
81170 高雄市楠梓加工出口區
北內環東路1號
Tel: +886-7-365-6188
Fax: +886-7-364-9500

OVERSEAS BRANCH OFFICES

U.S.A. 美國

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
E-mail: info@chromaus.com
www.chromaus.com

CHROMA SYSTEMS SOLUTIONS, INC.

19772 Pauling, Foothill Ranch, CA 92610
Tel: +1-949-600-6400
Fax: +1-949-600-6401
E-mail: sales@chromausa.com
www.chromausa.com

EUROPE 歐洲

Chroma ATE Europe B.V.

Morsestraat 32, 6716 AH EDE,
The Netherlands
Tel: +31-318-648282
Fax: +31-318-648288
E-mail: sales@chromaeu.com
www.chromaeu.com

JAPAN 日本

Chroma Japan Corp.

472 Nippa-cho, Kouhoku-ku,
Yokohama-shi, Kanagawa,
223-0057 Japan
Tel: +81-45-542-1118
Fax: +81-45-542-1080
E-mail: info@chroma.co.jp
www.chroma.co.jp

HONG KONG 香港

Newworld Electronics Ltd.

新匯電子有限公司
香港九龍灣常悅道13號瑞興中心6樓6室
Tel: +852-2331-9350
Fax: +852-2331-9406
E-mail: newworld_nwd94@newworld.com.hk

CHINA 中國

BEIJING 北京

Chroma Electronics (Shenzhen) Co., Ltd.

Beijing Branch Office
中茂電子(深圳)有限公司北京分公司
北京市亦莊經濟技術開發區科創十三街
18號院鋒創科技園7號樓8層804~806單元
Tel: +86-10-6803-9350; 6803-9361
Fax: +86-10-6803-9852

SHANGHAI 上海

Chroma Electronics (Shanghai) Co., Ltd.

中茂電子(上海)有限公司
上海市欽江路333號40號樓3樓
Tel: +86-21-6495-9900
Fax: +86-21-6495-3964

SUZHOU 蘇州

Chroma ATE (Suzhou) Co., Ltd.

致茂電子(蘇州)有限公司
江蘇省蘇州高新區珠江路855號
獅山工業廊7號廠房
Tel: +86-512-6824-5425
Fax: +86-512-6824-0732

Sajet System Technology (Suzhou) Co., Ltd.

神箭數碼科技(蘇州)有限公司
江蘇省蘇州工業園區星湖街999號
88幢4層503-1
Tel: +86-512-6807-1889
Fax: +86-512-6807-1886

CHONGQING 重慶

Chroma Electronics (Shenzhen) Co., Ltd.

Chongqing Branch Office

中茂電子(深圳)有限公司重慶辦公室
重慶市北部新區新南路166號龍湖國際
4棟13-8號
Tel: +86-23-6703-4924 / 6764-4839
Fax: +86-23-6311-5376

XIAMEN 廈門

Chroma ATE (Suzhou) Co., Ltd.

Xiamen Branch Office

致茂電子(蘇州)有限公司廈門分公司
廈門市軟件園二期望海路55號B棟705-706單元
Tel: +86-592-8262-055
Fax: +86-592-5182-152

SHENZHEN 深圳

Chroma Electronics (Shenzhen) Co., Ltd.

中茂電子(深圳)有限公司
廣東省深圳市南山區登良路
南油天安工業村4號廠房8F
Tel: +86-755-2664-4598
Fax: +86-755-2641-9620
www.chroma.com.cn

DONGGUAN 東莞

Chroma Electronics (Shenzhen) Co., Ltd.

Dongguan Branch Office
中茂電子(深圳)有限公司東莞服務部
廣東省東莞市莞龍路段獅龍路莞城科技園
YD3-4地塊廠房三層
Tel: +86-769-8663-9376
Fax: +86-769-8631-0896

OVERSEAS BRANCH OFFICES

AUSTRALIA

Power Parameters Pty Ltd.
(Test & Measurement Instruments)
83 Northern Road, Heidelberg West 3081
Victoria, Australia
Tel: +61-3-9450-1500
Fax: +61-3-9457-6327
E-mail: power@parameters.com.au
www.parameters.com.au

AUSTRIA

Power Control Electronic GmbH & Co. KG
(Test & Measurement Instruments)
Bahnhofstrasse 22, D-87463
Dietmannsried, Germany
Tel: +49-8374-232-600
Fax: +49-8374-232-6099
E-mail: pce@powercontrol.de
www.powercontrol.de

Balkans

(Montenegro/ Serbia/ Croatia/ Slovenia)
ALL DATA EE d.o.o.
(Test & Measurement Instruments)
C. Zore Perello Godina 2 Sl-6000 Koper
Tel: +386 5 9072606
Fax: +386 5 9072601
E-mail: chiara@alldataee-doo.com
www.alldataee-doo.com

BENELUX

TT&MS BV.
(Test & Measurement Instruments)
Frankweg 25, 2153 PD Nieuw - Venneep,
The Netherlands
Tel: +31-252-621080
Fax: +31-252-620702
E-mail: info@ttms.nl
www.ttms.nl

BRAZIL

T&M Instruments Repres. Ltda
(Test & Measurement Instruments)
Rua Princesa Isabel, 1750-Brooklin-CEP
04601-003, Sao Paulo-SP-Brazil
Tel: +55-11-5092-5229
Fax: +55-11-5044-2414
E-mail: info@tminstruments.com.br
www.tminstruments.com.br

CZECH REPUBLIC & SLOVAKIA

Meatest s.r.o
(Test & Measurement Instruments)
Ksirova 118A, CZ-619 00 Brno,
Czech Republic
Tel: +420-5-4325-0886
Fax: +420-5-4325-0890
E-mail: vomela@meatest.cz
www.meatest.cz

DENMARK

Atimco AS
(Test & Measurement Instruments)
BØgekildevej 7B DK-8361 Hasselager,
Denmark
Tel: +45-86-258899
Fax: +45-86-255889
E-mail: mj@atimco.dk
www.atimco.dk

EGYPT

Technical Solution Engineering Co. (TSEC)
(Test & Measurement Instruments)
57 Hosny Ahmed Khalaf St., Aprt. 3,
Nasr City, Egypt
Tel: +202-670-6599
Fax: +202-670-6183
E-mail: tsec@tsec.com.eg
www.tsec.com.eg

FRANCE

Distrame SA
(Test & Measurement Instruments)
Parc du Grand Troyes
Quartier Europe Centrale
40 rue de Vienne
10300 SAINTE SAVINE France
Tel: +33-3-2571-2583
Fax: +33-3-2571-2898
E-mail: infos@distrame.fr
www.distrame.fr

Qualitysource SA

(Test & Measurement Instruments)
ZAC du Moulin a Vent ,
28 Chemin du Moulin
a Vent, Guyancourt F-78280, France
Tel: +33-130-489-966
Fax: +33-130-432-846
E-mail: contact@qualitysource.fr
www.qualitysource.fr

GERMANY

Power Control Electronic GmbH & Co. KG
(Test & Measurement Instruments)
Bahnhofstrasse 22, D-87463
Dietmannsried, Germany
Tel: +49-8374-232-600
Fax: +49-8374-232-6099
E-mail: pce@powercontrol.de
www.powercontrol.de

PXIdirect GmbH

(PXI Instruments)
Florastrasse 1a D-30900 Wedemark,
Germany
Tel: +49-5130-58888-0
Fax: +49-5130-58888-22
E-mail: info@PXIdirect.com
www.PXIdirect.com

Schubert Technologies

(Semiconductor ATE & Handler)
Saentisstrasse 43, D-81825 Munich,
Germany
Tel: +49 89-4513-9633
Fax: +49 89-4513-9628
E-mail: info@schubert-technologies.eu
www.schubert-technologies.eu

GREECE

NetScope Solutions S.A.
(Test & Measurement Instruments)
4, Lachana St., New Filadelfia 143 42
Athens, Greece
Tel: +30-210-272-4107
Fax: +30-210-271-1999
E-mail: info@netscope.gr
www.netscope.gr

HUNGARY

Eltest Ltd.
(Test & Measurement Instruments)
H-1015 Budapest, Hattuy u. 16, Hungary
Tel: +36-1-202-1873
Fax: +36-1-225-0031
E-mail: redai@eltest.hu
www.eltest.hu

Kora BT.

(Test & Measurement Instruments)
Torokor st. 31 H-1145 Budapest, Hungary
Tel: +36-1-223-1045
Fax: +36-1-221-2541
E-mail: mkovacs@kora.hu
www.kora.hu

INDIA

MEL Systems & Services Ltd.
(Head Office)
(Test & Measurement Instruments)
Plot # 173, Developed Plots Estate for Electrical,
Electronic & Instrument Industries, Perungudi,
Chennai - 600 096, India
Tel: +91-44-2496-1903/04
Fax: +91-44-2496-0488
E-mail: sales@melss.com
www.melss.com

MELSS Branch Office (Bangalore)
203, 2nd Floor, 'MOTA CHAMBERS',
No.9, Millers Road, Bangalore - 560 052
Tel : +91-8-2226-6546
Fax : +91-8-2226-8205
E-mail: melssblr@melss.com,
emsblr@melss.com

MELSS Branch Office (Mumbai)
C/216A, Kailash Industrial Complex,
Behind Godrej Residential Colony,
Park Site,Vikhroli (West), Mumbai - 400079
Tel: +91-22-2518-0915/16
Telefax: +91-22-2518-0915
E-mail: melssbom@melss.com,
emsblr@melss.com

MELSS Branch Office (New Delhi)
C-52, 1st Floor, Shashi Garden (Opp, Dena Bank)
Mayur Vihar Phase-I, Delhi-110091
Tel: +91-11-2275-8261
Telefax: +91-11-2275-8254/61
E-mail: melssdel@melss.com,emsblr@melss.com

Quantel Electronics (India) Private Limited
(Bangalore)
(Test & Measurement Instruments)
No. 301, #130 Prestige Infantry Court
Infantry Rd., Bangalore-560001
Tel: +91-8-4094-1520/1507
Fax: +91-8-4093-6673
E-mail: sales@quantel.com.sg
www.quantel.com.sg

Quantel Electronics (India) Private Limited(Mumbai)
Unit No. 3134/3135, D Wing, 3rd Floor,
Oberoi Garden Estate, Off Chandivali Farms Rd.,
Chandivali, Andheri(East), Mumbai-400072
Tel: +91-22-285-1440/4229-1002
Fax: +91-22-4015-6221
E-mail: sales@quantel.com.sg
www.quantel.com.sg

Quantel Electronics (India) Private Limited
(New Delhi)
K-13 Ground Floor, Lajpat Nagar-II New Delhi-110024
Tel: +91-11-4132-5052
Fax: +91-22-4015-6221
E-mail: sales@quantel.com.sg
www.quantel.com.sg

INDONESIA

PT Quantel
(Test & Measurement Instruments)
Ruko Easton Block B/08, Lippo Cikarang, Bekasi
17550, Indonesia
Tel: +62-8190-8732233, +65-6745-3200
E-mail: sales@quantel.com.sg

IRAN

Arvin Afzar Co.
(Test & Measurement Instruments)
No. 22 Sarmad St., North Sohrevardi Ave.,
Tehran 15539 Iran
Tel: +98-21-8852-9254~5
Fax: +98-21-8874-5984
E-mail: contact@arvinafzar.com

IRELAND

MDL Technologies Ltd.
(Test & Measurement Instruments)
Unit 11 Devonshire Business Centre Works Road
Letchworth Herts SG61GJ,
United Kingdom

Tel: +44-146-243-1981
Fax: +44-560-315-2515
E-mail: sales@mdltechnologies.co.uk
www.mdltechnologies.co.uk

ISRAEL

Meltronics
(Test & Measurement Instruments)
132 Menachem Begin Road St.
1 Azrieli Center Round Tower,
34th Floor Tel Aviv, Israel
Tel: +972-03-644-4492
Fax: +972-77-345-0470
E-mail: Sales@meltronics.co.il
www.meltronics.co.il

ITALY

Barletta Apparecchi Scientifici
(Test & Measurement Instruments)
VIA Prestinari 2-20158 Milano, Italy
Tel: +39-02-3931-2000
Fax: +39-02-3931-1616
E-mail: barlett@tin.it
www.barletta-as.com

JAPAN

Combex Co.,Ltd
(Test & Measurement Instruments)
5-12,Kiyohara-cho,Ohta-shi,
373-8567 Gunma
Tel: +81-276-37-8521
Fax: +81-276-37-8507
www.combex.co.jp

Hodaka Denshi Co.,Ltd.

(Test & Measurement Instruments)
834-2, Bukko-cho,Hodogaya-ku,
Yokohama 240-0044
Tel: +81-45-331-9302
Fax: +81-45-333-9257
www.hodaka.co.jp

KOKKA ELECTRIC CO., LTD.

(Test & Measurement Instruments)
6-14,Tenman 1-chome, Kitaku,Osaka,
530-0043 Japan
Tel: +81-6-6353-5551
Fax: +81-6-6354-0173
www.kokka-e.co.jp

MEIJI ELECTRIC INDUSTRIES CO, LTD.

(Test & Measurement Instruments)
13-8,Kameshima2-chome,
Nakamura-ku,Nagoya,
453-8580 Japan
Tel: +81-52-451-7661
Fax: +81-52-451-7659
www.meijidenki.co.jp

Miwa Electric Industrial Corporation

(Test & Measurement Instruments)
Shinjuku Seven Bldg, 8-1, Shinjyuku
2-chome, Shinjyuku-ku, 160-0022,
Tokyo
Tel: +81-3-3341-2101
Fax: +81-3-3341-4426
www.miwadenki.co.jp

Nihon Denkei Co., Ltd.

(Test & Measurement Instruments)
Seikoukai kanda Building 5-12,
3-chome, sotokanda, chiyoda-ku,
Tokyo, 101-0021 Japan
Tel: +81-3-3251-5731
Fax: +81-3-3251-5730
www.n-denkei.co.jp

SANYU ELECTRONIC INDUSTRIAL CO., LTD

(Test & Measurement Instruments)
2F,ALPS LOGISTIC #1 BUILD
1756 NIPPA-CHO,KOHOKU-KU,
YOKOHAMA,KANAGAWA
223-0057 Japan
Tel: +81-45-545-7771
Fax: +81-45-545-7778
www.sanyu-ele.co.jp

TOYO Corporation

(Power Testing Equipment)
1-6, Yaesu 1-chome, Chuo-ku,
Tokyo, 103-8284, Japan
Tel: +81-3-3279-0771
Fax: +81-3-3246-0645
E-mail: psst@toyo.co.jp
www.toyo.co.jp

KOREA

BRIDGE Corporation
(Semiconductor ATE)
901ho, Byucksan Technopia, 434-6,
Sangdaewon-dong,Jungwon-gu,
Sungnam-si, Kyoungki-do, Korea

Tel: +82-31-747-4011

Fax: +82-31-747-4022

E-mail: scarlet@bridgeitc.com

www.bridgeitc.com

JEILMI Co., Ltd.

(Test & Measurement Instruments)
9th FL, 401, Simin-daero, Dongan-gu,
Anyang-si, Gyeonggi-do,
Korea, Zip:431-062
Tel: +82-31-463-3700
Fax: +82-31-463-3701
E-mail: jeil@jeilmi.com, kmn@jeilmi.com
www.jeilmi.com

LEEBESTECH

(PV Test & Automation Equipment)
Room #520, Shinhan Deview Officetel
1132-19, Guwol-dong, Namdong-gu,
Incheon, South Korea #405-220
Tel: +82-32-437-0367
Fax: +82-32-437-0368
E-mail: leebestech@kornet.net
bhlee6011@hanafos.com

NOISE Technology Co., Ltd.

(AC Source, Load, Power Analyzer)
Science Bldg, #149-9, Yatap-dong,
Bundang-gu, Seongnam-si, Kyunggi-do,
463-816, Korea
Tel: +82-31-781-7816
Fax: +82-31-703-7175
E-mail: jskim@noisetech.co.kr
www.noisetech.co.kr

TF EastPost Technologies Inc.

(Semiconductor ATE & Handler)
Science Bldg, #149-9, Yatap-dong,
Bundang-gu, Seongnam-si, Kyunggi-do,
463-816, Korea
Tel: +82-31-206-0541
Fax: +82-31-206-0543
E-mail: kevin@eastpost.co.kr

WE Corporation

(Test & Measurement Instruments)
1487-52, Seocho 3-Dong, Seocho-Gu,
Seoul 137-869, Korea
Tel: +82-2-585-8253
Fax: +82-2-585-8254
E-mail: sales@weco.co.kr
www.weco.co.kr

MALAYSIA

QTEC Technologies Sdn Bhd (Head Office)
(PV/LED/Semiconductor ATE & Handler)
3637, Jalan Angkasa Nuri 1,Taman Angkasa
Nuri, 76100 Durian Tunggal, Melaka,
Malaysia
Tel: +60-6-334-2918/2919
Fax: +60-6-334-2920
E-mail: tlteh@qtec.com.my
jesphertay@qtec.com.my
www.qtec.com.my

Quantel Sdn Bhd. (Kuala Lumpur)

(Test & Measurement Instruments)
Unit 802, 8F, Blk A Damansara Intan,
No. 1, Jalan SS20/27, 47400 Petaling Jaya,
Selangor, Malaysia
Tel: +60-3-7726-7435
Fax: +60-3-7726-1961
E-mail: sales@quantel.com.sg
www.quantel.com.sg

Quantel Sdn Bhd (Penang)

(Test & Measurement Instruments)
2-3-9 One Square, Tingkat Mahsuri 1
Bayan Lepas, 11950 Penang Malaysia
Tel: +60-4-646-5110/0780
Fax: +60-4-644-2878
E-mail: sales@quantel.com.sg
www.quantel.com.sg

NEW ZEALAND

Electrotest Ltd.
(Test & Measurement Instruments)
PO Box 300 475 , 12A Te Kea Place
Albany, Auckland, New Zealand
Tel: +64-9-448-2600
Fax: +64-9-448-2611
E-mail: info@electrotest.co.nz
www.electrotest.co.nz

NORWAY

IKM Instrutek AS
(Test & Measurement Instruments)
Elveveien 28, N-3262 Larvik, Norway
Tel: +47-33-165700
Fax: +47-33-165701
E-mail: post@instrutek.no
www.instrutek.com

PHILIPPINES

QTEC Technologies Sdn Bhd (Baguio)
(PV/LED/Semiconductor Handler)
Camp 7, Kennon Road, Baguio City,
Philippines 2600
Tel:+63-9175920411
E-mail: gilbert@qtec.com.my
sales@qtec.com.my
www.qtec.com.my
www.quantel.com.sg

Quantel Philippines Inc. (Manila & Cebu)

(Test & Measurement Instruments)
Unit 2803 Discovery Centre
25 ADB Avenue, Ortigas Centre
Pasig City 1600, Philippines
Tel: +63-2638-6942/6918 (Manila)
Fax: +63-2638-6946 (Manila)
Tel: +63-32-495-9210 (Cebu)
Fax: +63-32-511-0071 (Cebu)
E-mail: sales@quantel.com.sg
www.quantel.com.sg

POLAND

NDN Test & Measurement instruments
(Test & Measurement Instruments)
Janowskiego Str. 15 PL 02-784 Warsaw,
Poland
Tel: +48-22-641-1547
Fax: +48-22-644-4250
E-mail: ndn@ndn.com.pl
www.ndn.com.pl

PORTUGAL

Instrumentos de Medida, S.L.
(Test & Measurement Instruments)
Septiembre 31, E28022 Madrid
Tel: +34-91-300-0191
Fax: +34-91-388-5433
E-mail: jvaca@idm-instrumentos.es
www.idm-instrumentos.es

Lenave Lda

(Test & Measurement Instruments)
R. de S. Paulo 228-232
1200-430 Lisboa, Portugal
Tel: +351-213-223-190
Fax: +351-213-420-968
E-mail: ppedro@lenave.pt
www.lenave.pt

ROMANIA

EE TEST S.A.
(Test & Measurement Instruments)
Blvd. Industriilor no. 4 ROM-300 714
Timisoara, Romania
Tel: +40-256-491-154
Fax: +40-256-493-468
E-mail: eeetest@eeetest.ro
www.eee.ro

TECHNO VOLT s.r.l.

(Test & Measurement Instruments)
Bd. Constructorilor 20A, sector 6,
060512 Bucharest, Romania
Tel: +40-21-220-1302
Fax: +40-21-221-4-110925
E-mail: vetoshkina@escltd.ru
www.test-expert.ru/en

RUSSIA

TESTPRIBOR, JSC
(Test & Measurement Instruments)
Office 718 24 Geroev Panfilovtsev Street,
Moscow 125480, Russian Federation
Tel: +7-495-225-67-37
Fax: +7-495-496-95-55
E-mail: vetoshkina@escltd.ru
www.test-expert.ru/en

SINGAPORE

QTEC Technologies Pte. Ltd.
(PV/LED/Semiconductor ATE & Handler)
Blk 2, Joo Chiat Road Suite 9, #03-1121
Joo Chiat Complex, Singapore 420002
Tel: +65-8186-7381
www.qtec.com.my

Quantel Pte Ltd.

(Test & Measurement Instruments)
46 Lorong 17 Geylang # 05-02
Enterprise Industrial Building,
Singapore 388568
Tel: +65-6745-3200
Fax: +65-6745-9764
E-mail: sales@quantel.com.sg
www.quantel.com.sg

SOUTH AFRICA

Intercal cc
(Test & Measurement Instruments)
Labotec Park 21 Bavaria Road
Randjespark Midrand, South Africa
Tel: +27-11-315-4321
Fax: +27-11-312-1322
E-mail: intercal@intercal.co.za
www.intercal.co.za

SPAIN

Enelec S.L.
(Test & Measurement Instruments)
Avda. Francesc Macià, 39, 6° 2a
08206 Sabadell (Barcelona), Spain
Tel: +34-93-723-0270
Fax: +34-93-723-4717
E-mail: enelec@enelec.com
www.enelec.com

Instrumentos de Medida, S.L.

(Test & Measurement, Medical & Military)
Septiembre 31, E28022 Madrid, Spain
Tel: +34-91-300-0191
Fax: +34-91-388-5433
E-mail: jvaca@idm-instrumentos.es
www.idm-instrumentos.es

SWEDEN

Combinova AB
(Test & Measurement Instruments)
Domkraftsv. 1 , SE-197 40 Bro, Sweden
Tel: +46-8-627-9310
Fax: +46-8-295-985
E-mail: sales@combinova.se
www.combinova.se

SWITZERLAND

MESATEC technische Produkte AG
(Test & Measurement Instruments)
Sumpfstrasse 3, CH-6300 Zug, Switzerland
Tel: +41-41-740-5833
Fax: +41-41-740-5834
E-mail: info@mesatec.ch
www.mesatec.ch

THAILAND

Quantel Co., Ltd.
(Test & Measurement Instruments)
22 Flr., Oriflame Tower 253 Sukhumvit 21,
Klongtoey Nua, Wattana Bangkok 10110,
Thailand
Tel: +66-2-261-4050/51
Fax: +66-2-261-4052
E-mail: sales@quantel.com.sg
www.quantel.com.sg

TURKEY

Yildirim Elektronik Tic. Ve San. Ltd. Sti
(Test & Measurement Instruments)
Maresal Fevzi Cakmak Caddesi No:29
06500 Besevler Cankaya/ANKARA
Tel: +90-312-221-1000
Fax: +90-312-212-3535
E-mail: yildirim@yildirimlab.com
www.yildirimlab.com
www.yildirimelektronik.com

UNITED KINGDOM

MDL Technologies Ltd.
(Test & Measurement Instruments)
Unit 11 Devonshire Business Centre Works Road
Letchworth Herts SG61GJ,
United Kingdom
Tel: +44-146-243-1981
Fax: +44-560-315-2515
E-mail: sales@mdltechnologies.co.uk
www.mdltechnologies.co.uk

VIETNAM

Quan Sieu Co. Ltd. (HCMC)
(Test & Measurement Instruments)
Floor 2 Dang Minh Tower ,
L11-L12 Mieu Noi, Ward 3,
Binh Thanh District - HO Chi Minh City,Vietnam
Tel: +84-8-3517-1894
Fax: +84-8-3517-1893
E-mail: sales@quantel.com.sg
www.quantel.com.sg

Quantel Vietnam (HANOI)

(Test & Measurement Instruments)
Room 908, CT3A Tower,
Me Tri Thuong Urban Zone,
Me Noi Ward, Nam Tu Liem District,
Ha Noi City, Vietnam
Tel: +84-43-788-0250
Fax: +84-43-788-0250
Email: sales@quantel.com.sg



Chroma Group Turns 30.

CHROMA ATE INC.
致茂電子股份有限公司
info@chromaate.com
www.chromaate.com