



Atlas Micro Electronics

Division of Atlas Sourcing Inc.

**Corporate Presentation
August 2010**

Atlas Micro Electronics

- ❑ Company launched in 2Q 2003.
- ❑ Division of Atlas Sourcing Inc.
- ❑ Head Quarters: Montreal, Canada
 - ❑ Sales Offices in Montreal, Ottawa, Toronto, Chicago, Milwaukee, Colorado, Hong Kong, Shenzhen-China.
- ❑ Staffed Asia Offices in Hong Kong, Dongguan and Shenzhen to ensure round the clock service regardless of time zones.
- ❑ With over 30 years of individual experience in the Hi-Tech Electronics and Electro Mechanical business, we provide our customers with the knowledge base, expertise and flexibility of doing business in a global setting.
- ❑ We are capable of executing from the design stage to prototyping to production, as well as providing various logistics and financial solutions.

Atlas Micro Electronics

- ❑ Our expertise includes PCB's, Metal Stampings, Precision Machined Parts, Castings, Plastic, Power Products, Box Build / PCBA ,Cable Assemblies, Connectors, and Thermal Solutions. We are capable of providing cost effective standard or custom products in these areas.
- ❑ As your preferred sales channel, we will strategically secure electronic components around the world regardless of geographically location and time zones making this transparent and effortless to our customers.

- ❑ Logistics Hubs:

- Montreal, Canada
- New York, USA
- Chicago, USA
- Los Angeles, USA
- Ningbo, China
- Dalian, China
- Shanghai, China
- Hong Kong, China
- Toronto, Canada



- ❑ Our goal is to provide a business relationship, which is symbiotic, honest and trustworthy.

Products/Services

❑ Printed Circuit Boards (China)

- ❑ High quality double-sided, up to 24-layers, also HDI PCB with laser drilling
- ❑ Halogen-and lead-free manufacturing process
- ❑ Blind & buried VIA's Board, Aluminum Substrate, Flex and Flex- Rigid PCB
- ❑ Hot air leveling, OSP (eg. Entek), Flash gold, Immersion gold, tin & silver
- ❑ Capacity: 250,000+ sq.ft. of PCB's per month with flexible turn-around times.
- ❑ Standard Volume Production Lead-time: 3-4 wks (Stocking program available)
- ❑ **Cost Effective Quick-Turn services 5 days/10 days**
- ❑ Backplane product offering up to 24"x20"
- ❑ UL, ISO 9001, QS9000, IPC600F Class 2, ISO14001, TS16949



❑ Metal/Plastic/PCBA/Total Box Build (HK/China)

- ❑ Vertically integrated- all in house
 - ❑ Tool /Die and Painting/Finishing
- ❑ Complete Box Build/PCBA available
- ❑ RoHS Compliant
- ❑ IPC-A-610, ISO 9001
- ❑ 350,000 sq ft Total, 1200 employees
- ❑ Prototype turnaround - less than 24 days
- ❑ Manufacturing Lead-Time: 4 weeks or less
- ❑ Flexible NRE Program
- ❑ Stocking program available



Products/Services

❑ Die Cast and Machined Parts (China)

- ❑ Manufacturing of various kinds of metal products including metal castings, forgings, machined parts, pressings, fabrications, tools and non-metallic products.
- ❑ Cost Effective NRE, Quick Samples (Typical: Less than 20 days)
- ❑ ISO9001, TS16949 and RoHS Compliant

❑ Production Processes and Equipment:

- ❑ Resin sand molding line, hand molding
- ❑ Green sand molding line, hand molding
- ❑ Investment casting
- ❑ High Pressure Die casting
- ❑ Low Pressure Die casting
- ❑ Centrifugal Casting
- ❑ EPC
- ❑ Die Forging
- ❑ Free Forging
- ❑ Pressing
- ❑ Welding and fabrication
- ❑ Machining
- ❑ Assembling



❑ Material of Machined Products

- ❑ Iron (Gray Iron, S.G. Iron, Malleable Iron, ADI)
- ❑ Steel (Carbon Steel, Alloy Steel, Stainless Steel, Super Alloys etc.)
- ❑ Non-ferrous Alloys (Aluminum, Zinc, Copper, Titanium, Magnesium etc.)

Products/Services

❑ Thermal (China)

- ❑ Standard and Custom Designs
- ❑ Active (Fansink), Passive (Heatsink), Heat Pipe solutions available.
- ❑ Liquid Cooling : Heat Exchanger, Pumps and Cold Plate Solutions.
- ❑ RoHS Compliant
- ❑ Thermal Engineering Design Services
- ❑ Flexibility to produce prototypes, pre-production and volume production.
- ❑ Vertically Integrated (In House Process)
- ❑ Stocking program available



❑ Power Supplies (China)

- ❑ Wall mounted/Desktop Switching power supplies from 2W-120W with country specific connectors and approvals.
- ❑ AC Power Cords.
- ❑ Open Frame AC/DC Switching power supplies, universal inputs, multiple outputs
- ❑ UL/CSA/TUV/CE/CCC/GS/FCC/PSE Approvals
- ❑ Encapsulated and Power transformers
- ❑ RoHS Compliant



Products/Services

❑ **Cable Assemblies** (China)

- ❑ Coaxial Cable Assemblies Lead Free/RoHS
 - ❑ RG59, RG6, RG11, etc.
- ❑ Power (extension) cord Assemblies
 - ❑ USA/CSA type, European type, UK/Australian type
- ❑ Computer/Multimedia Cable Assemblies Lead Free/RoHS
 - ❑ USB2.0, Printer Cable, IEEE1394, VGA/SVGA cable, HDMI Cable, DVI Cable, Flat Cable, SATA., etc.
- ❑ UL/CSA approval hook up wire-Cable Harnesses Lead Free/RoHS
 - ❑ UL1015, UL1007, UL1061, UL1430, UL1569, etc.



❑ **IC and Components** (Korea/HK/China/Taiwan/USA/Europe)

- ❑ Global sourcing of components .
 - ❑ EOL's, LTB's, RoHS Conversion, revision changes, shortages, production line shut-down.
 - ❑ Insurance buffer inventory.

Atlas-Mecca Joint Venture



MECCA MANUFACTURING CO.LTD.
锦辉五金电子厂



- Joint Venture between Atlas Micro Electronics and MECCA Manufacturing.
- MECCA is a Hong Kong based manufacturer established in 1984
- Our company provides Electronics Manufacturing Services (EMS) that includes Electronic PCB Assembly, Plastic Injection and Metal Stamping.
- Mecca has gained worldwide recognition on our services for more than 23 years
- Through our constant growth and expansion, we now have 2 plastic and 2 metal facilities as well as a full service PCBA location.
- Truly Vertically Integrated to provide full turn-key projects and well as box build solutions. (In House Tool Shop and Paint Department)
- Ability to provide full EMS along with integrating plastic and metal to your project
- All Factory locations are in near proximity of each other. (Dongguan, China)
- Local Support for quick and clear communication and support

PCBA Facility

Electronic Factory (Location in Dongguan)

Date of Establishment: Sept, 1995

Area: 56,000 sq.ft

SMT Department - 3 Lines 110 persons

Production Department - 250 persons

QA & QC Department - 20 persons

Engineering Department - 10 persons

Staff - 35 persons

Total: 425 persons

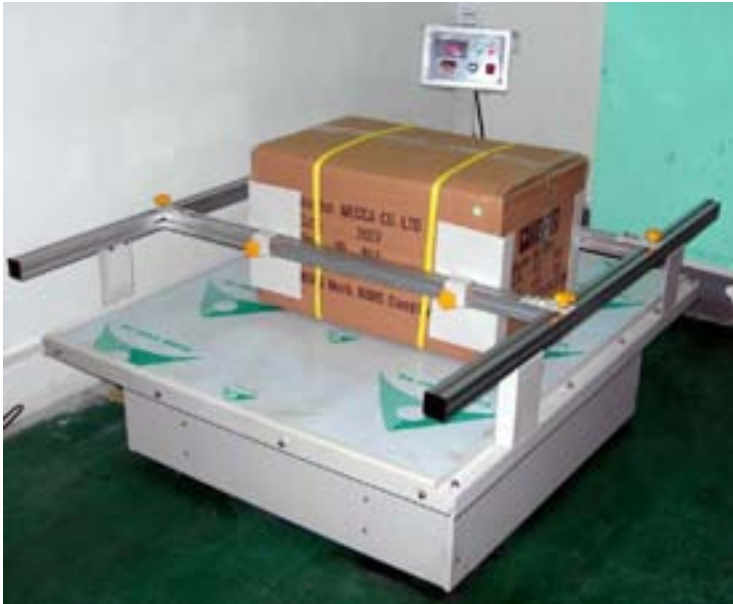


Product Display

PCBA Products



Reliability Testing



Vibration Tester



Programmable Humidity Chamber

Reliability Testing



Switch Reliability Tester



Friction Tester

Reliability Testing



Burn In Chamber



Hi Temperature Oven

Project Team

- All projects will be assigned team members.
- Team members include:
 - Engineering.
 - Product engineering.
 - Production.
 - Quality.
 - Purchasing.
 - Material.



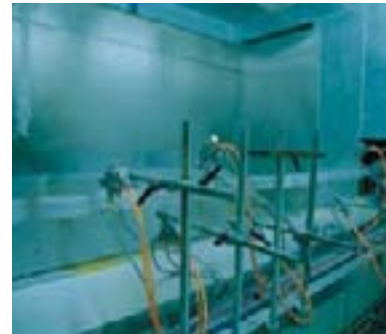
Plastic Injection Facilities

- Plastic Factory 1 (Location in Dongguan)
- Date of Establishment: Oct, 1991.
- Area: 96,000 sq.ft.
- Molding Department : 65 persons
Injection Department: 35 persons
QA & QC: 10 persons
Engineering Department: 20 persons
Staff: 10 persons

Total: 140 persons

- Plastic Factory 2 (Location in Shenzhen)
- Date of Establishment: Oct, 1996.
- Area: 120,000 sq.ft.
- Molding Department : 80 persons
Injection Department: 210 persons
QA & QC: 30 persons
Engineering Department: 20 persons
Staff: 10 persons

Total: 350 person



Product Display

Plastic Products



Metal Fabrication Facility

Metal Factory (Location in Dongguan)

Date of Establishment: Sept, 1984

Area:60,000sq.ft

Molding Department - 15 persons

Production Department - 180 persons

QA & QC - 10 persons

Engineering Department - 10 persons

Staff - 10 persons

Total: 225 persons



Metal Stamping Division



Production Line



Ultrasonic Cleansing Line



Stamping Machine



CNC Machine Centre



Tooling Shop



Silk Screening



Spray Painting



CNC Machine



CNC Machine

Product Display

Metal Stamping Products



Die Casting

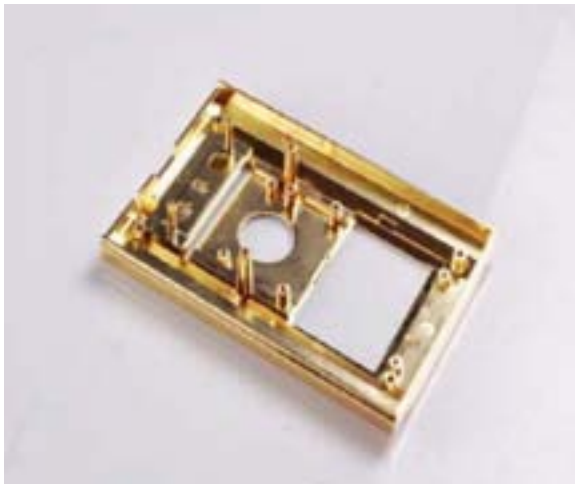
- High pressure die casting components with aluminum and zinc alloys, machining and finishing aluminum components from 5g to 9000g
- ISO9001:2000 and TS16949:2002
- Die Casting Department
 - 250, 330, 400, 650, 800-Ton Aluminum Cold Chamber
 - 138, 200-Ton Zinc Hot Chamber
 - 50-Ton Trimming Hydraulic Press
- Tooling Design
 - Data casting software for gating design
 - DC-CAL software for casting parametric calculation
 - Flow 3D software for casting stimulation
 - Vacuum system

Die Casting

- ***Equipment List:***

- CNC Drill & Tap Machine Centers(8)
- CNC Turning Centers (3)
- Tap & Drill Standard Machine (20)
- Ultrasonic Cleaner Machine (2)
- High-Temp Painting System with linear oven (1)
- Low-Temp Painting System with fixed oven (2)
- Vibratory Machine (4)
- Sand Blasting Machine (3)
- Polishing Machine (15)

Die Casting Product Display



Customers

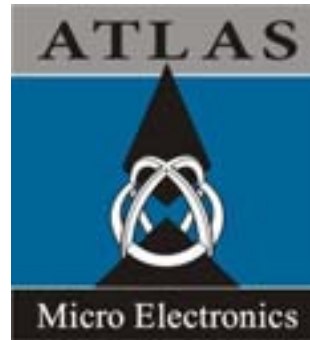


What do our Customers Expect

- ✓ Global-Cost Effective Pricing
- ✓ Clear and Proactive Communication
- ✓ Quick Quality Assurance response
- ✓ Loyalty, Honesty and Trustworthiness
- ✓ High Quality Products/Services
- ✓ Global Logistics
- ✓ Reliability
- ✓ Vertically Integrated Solutions and Strong Manufacturing Partnerships
- ✓ Local Representation and Support

What do our Customers Expect (cont.)

- ✓ RFQ Turnaround in 48-72 hours
- ✓ Cost effective solutions on custom products
- ✓ Samples delivered in weeks not months
- ✓ Flexible costing solutions on NRE-Tooling Charges
- ✓ Ability to manage OEM business globally
- ✓ Provide seamless logistics and stocking programs
- ✓ Provide local financial solutions in dealing with Asian sources
- ✓ True partnership and symbiotic relationship



Thank You

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