



***Solution to Obsolete  
Semiconductors  
Innovative, Re-create,  
Manufacture, Test***

**INNOVATION ASSURED**

**QUALITY ASSURED**

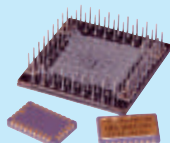
**DELIVERY ASSURED**

**PERFORMANCE ASSURED**

## MANUFACTURING

### MEMORY (MONOLITHIC)

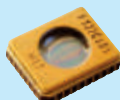
■ SRAM



■ EEPROM



■ UVEPROM



■ FLASH



■ SDRAM



### LINEAR/ANALOG

■ OP AMPS

■ REGULATORS

■ COMPARATORS

■ A/D.D/A  
CONVERTORS

■ REFERENCES

■ CONTROLLERS

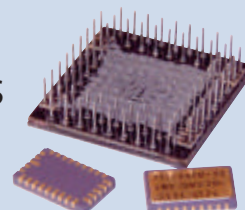


### CUSTOM

■ FPGA – ASIC CONVERSIONS

■ MCM'S

■ COMPLETE DESIGNS  
Assemblies & Custom Packaging.



### MODULES & MCM (MULTI CHIP MODULES)

■ SRAM

Equivalent to Puma, Versapac, HIP, Stack, 3D

■ EEPROM – UVEPROM

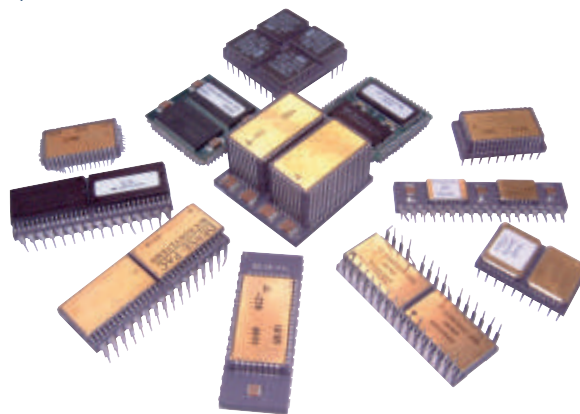
Equivalent to Puma, Versapac, HIP

■ FIFO

Equivalent to IDT, AMD, Cypress

■ MIXED TECHNOLOGY

Equivalent to Puma, Versapac, White (WEDC)



## SERVICES

### Ceramic Package Assembly

- Monolithic
- MCM
- Designing of Custom Packages

### Screening

- MIL-STD-883, QML & Standard Military Drawing (SMD)
- Commercial, Industrial, Military & Custom Screening Flows
- Full Environmental Testing, 100% Lot screening, QCI Qualification
- Customer Source Control Drawings (SCD)

### Product Supply

- Parts Management
- Manage End-Of-Life (EOL) Procurements

### Electrical Test

- Plastic Up-Screening
- Burn In, Dynamic & Static
- Temperature Testing from -55°C to +200°C
- Extensive Library of Software Programs
- Software Development

### Quality Conformance Inspection

- MIL-STD-883, Lot Qualification Group A, B, C & D Testing
- Steady State Life Burn-In
- Destructive Physical Analysis (DPA)
- Hast Testing

### Plastic Assembly & Screening

- Re-screening: Industrial & Mil-Temp

## Authenticare™ Ensuring Product Specification

Force Technologies offers multiple levels of device authentication for the end customer and/or purchasing agents peace of mind. These multiple levels range from minimal visual verification to SMD or Mil specification.

### Combating Tools:

- Video Microscopy against recognised standards
- DDI Device Die Identification. Counterfeiters are not able to change wafer masks
- CPI- Critical Parametric Identification. Counterfeit devices typically all have unique variances to the actual device specification
- DMV-Die Metallurgical Verification. S.E.M investigations

### Testing, Verification & Policy:

- Multiple levels of parametric and mechanical device authentication
- DC testing up to SMD or Military Compliance
- Read & Record Data available

## INNOVATION ASSURED

Obsolescence of semiconductors can be a complex problem, and re-creation can often involve innovative additions to the functionality of a component. Working to your defined scope, our manufacturing facilities provides a viable, cost-effective solution (in quantities large or small), to complex and simple obsolescence problems.

## QUALITY ASSURED

Force Technologies Ltd. is committed to delivering the highest quality products & services to our clients. Replacement semiconductors, alternative or equivalent components are sourced and manufactured according to our customer's needs; our comprehensive testing ensures all products are fit for function.

Quality awareness is demonstrated across our entire organisation; ongoing investments in modern equipment, personnel development and business systems ensure continued improvements to our quality assurance.

**AS 9100 Accredited**





## DELIVERY ASSURED

Semiconductors manufactured from extensive Die and water stocks comply with Original Manufacturer's design specification; innovative additions carry our own certification.

Assured availability of legacy, DML, (diminished Manufacturing lines) and end-of-life products, is vital to specialist customers across Military, Aerospace, Commercial, Space and Industry sectors.



## PERFORMANCE ASSURED

Force Technologies Ltd. offers a trusted reliable solution to obsolete semiconductors; over the past 25 years; we have constantly delivered components that have earned our worldwide reputation for quality and performance.

Manufacturing to original designs and testing specified tolerances demands quality & accuracy; our purpose built facility enables us to make it right, test it right, every time.

## RELIABILITY ASSURED

### Space

Working to specific bills of materials, Force Technologies Ltd. undertakes destructive physical analysis (DPA) testing and up-screening to ensure delivery of EEE certified components for global positioning systems (GPS) for satellites and space craft.



### Aerospace

We are a trusted manufacturing supplier of semiconductors to clients in the aerospace industry. We offer sustainable, cost effective solutions to obsolescence to manufacturers of control systems and braking systems ground-based equipment.



### Military

The defence sector demands the highest levels of product reliability and we certify all our semiconductors. Maintaining a sustainable supply of reliable legacy products is vital for use in military applications.



## Industrial

We provide support to clients in industry with our comprehensive component and materials authentication processes; Force Technologies Ltd. supplies semiconductors for integration with control systems in such sectors as transport and distribution.



## Commercial

Low to high volumes.

We understand the need for reliability in the commercial sector; Force Technologies Ltd. fulfils requirements for reliable, legacy components used in everyday items such as, consumer goods, IT equipment, gaming machines and car-park systems.