



QPL LIMITED

Global Partnership
and Local Solutions



QPL

From leadframe design to delivery, QPL is capable of providing volume production while also offering customers flexibility; reduced cycle times, customized specifications, thermal and electrically-enhanced designs, special quantity orders and inventory management programs. Our flexible approach combined with the capability to provide both etched and stamped leadframes gives our customers the most secure and cost-effective solution for sustaining an uninterrupted supply line.

In addition to custom designs for both etched and stamped leadframes, QPL also provides a comprehensive range of standard products from SOIC (Small Outline IC), QFP (Quad Flat Package), TQFP (Thin Quad Flat Package), PDIP (Plastic Dual In-Line Package), PLCC (Plastic Lead Chip Carrier) and TSOP (Thin Small Outline Package), although the majority of sales are in SOIC and QFP.



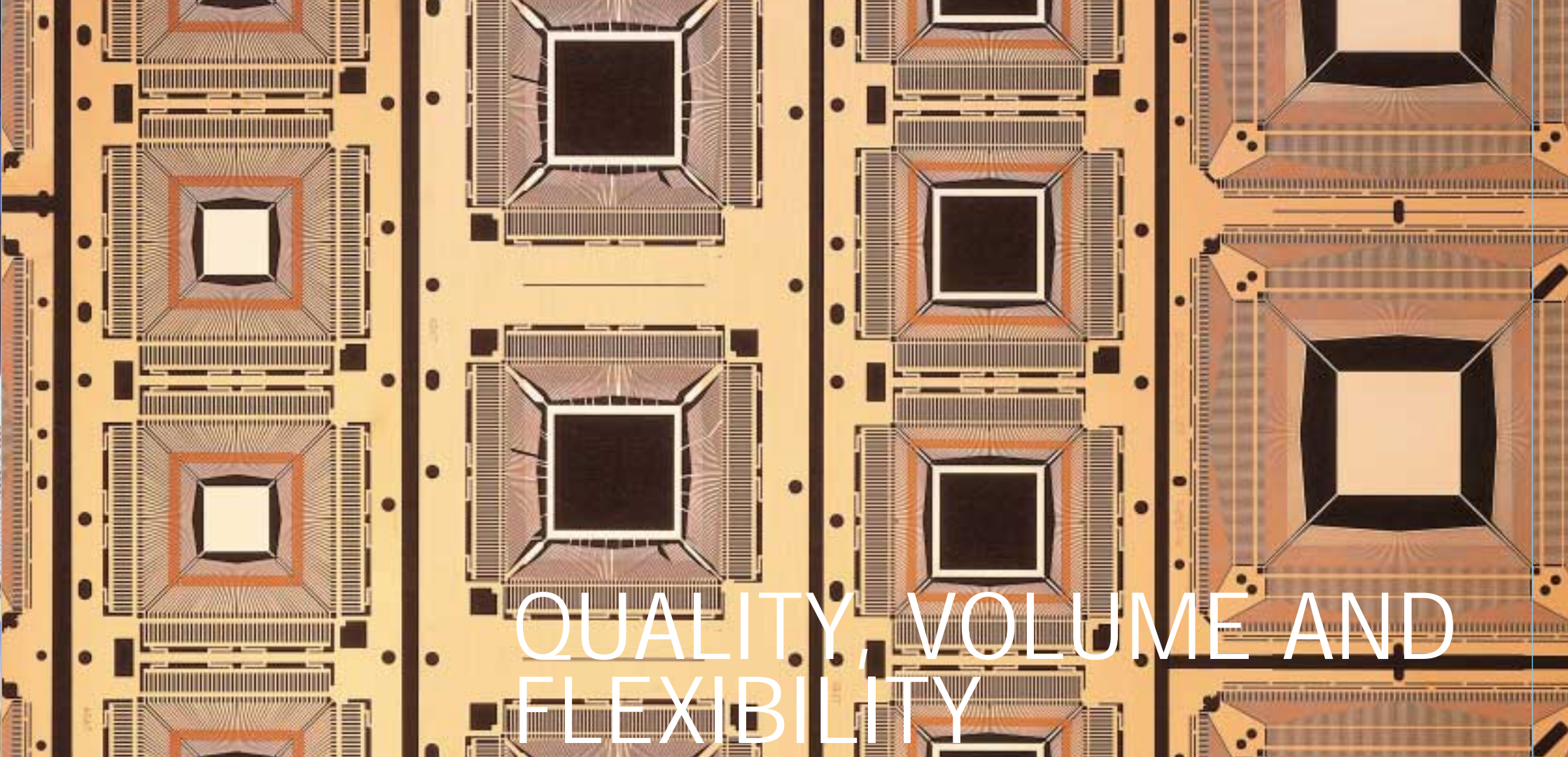
QPL OUR HISTORY, ACHIEVEMENTS AND BELIEFS

- 1982 QPL Limited founded
- 1986 Mass production of etched leadframes began, one year after the first etching line was established
- 1987 QPL Limited became a wholly-owned subsidiary of QPL International Holdings
- 1991 Total Quality Management
- 1994 ISO9002 Certification
Talent Focus founded to provide stamped leadframe capability
- 1995 Mass production of stamped leadframes
- 1996 Development of thermal enhanced products such as TBGA substrates
Awarded "1996 HK Industry Award - Quality"
- 1997 PPF (Nickel-Palladium) technology licensed and qualified
Awarded "1997 HKITCC Industry Award-Technology"
- 1998 Commencement of QS 9000 quality system
Development of Tape Attached and TBGA products
Strategic Partnership Program
- 1999 Initiation of ISO1400 (ENVIRONMENTAL MANAGEMENT SYSTEM)

Founded in 1982, QPL Limited today is a global supplier of leadframes for the semiconductor industry. With headquarters and manufacturing based in Hong Kong, the company has sales offices throughout the United States, Europe and the Asia Pacific.

QPL Limited is committed to providing total customer satisfaction through product quality to service reliability.

1982 1986 1987 1991 1994 1995 1996 1997 1998 1999



QUALITY, VOLUME AND FLEXIBILITY



- a Automatic film mask exposure system
- b Etching line
- c Stamped leadframe tooling maintenance and support equipment
- d Leadframe stamping technology and systems
- e Plating line

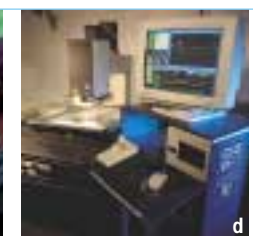
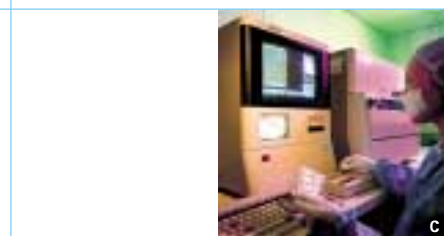
From leadframe design to delivery, QPL provides volume production while at the same time offering customers the flexibility for specific requirements: reduced cycle times, customized specifications, thermal and electrically-enhanced designs, special quantity orders and an inventory management service. Our flexible approach combined with the capability to provide both etched and stamped leadframes gives our customers the most secure and cost-effective solution for sustaining an uninterrupted supply line.

QPL Limited maintains a high level of product quality with very strict guidelines. A comprehensive plant-wide Total Quality Management program involves every employee of the company; the senior management constitutes the Quality Improvement Council (QIC), mid-level managers, engineers, line supervisors and production technicians form the Quality Improvement Team, and operators/inspectors participate in the company's Quality Control Circle (QCC). Each quality management level is further divided into several teams to oversee different aspects and stages of production from raw materials to finished products.

QPL believes that the quality of its employees determines the quality of its products and services. All QPL employees go through a rigorous training program upon joining and are continuously re-trained and re-certified in new industry technologies and production skills. As a result, the company has been able to attract and retain the best personnel in the industry.



SERVICE DEPENDABILITY



Product quality is not the only concern when it comes to total customer satisfaction. At QPL, customer service is maintained to the highest standards. Dependability defines QPL's service. Through streamlined and flexible production standards and on-call customer service, QPL delivers products with an industry-renowned quick turnaround time. In-house design teams enable the company to tailor its services to different customer requirements.

QPL provides solutions from design and manufacturing to shipping and inventory. For customers with a long-term goal in leadframe supply, QPL has developed a partnership program in which both companies work together to determine overall long-term needs while striving to reduce costs and increase service.

- a In-house design team
- b Ion chromatograph
- c X-ray plating thickness machine
- d Auto-Dimensional (3D) measuring equipment
- e Customer service dependability
- f SEM/EDAX analytical equipment



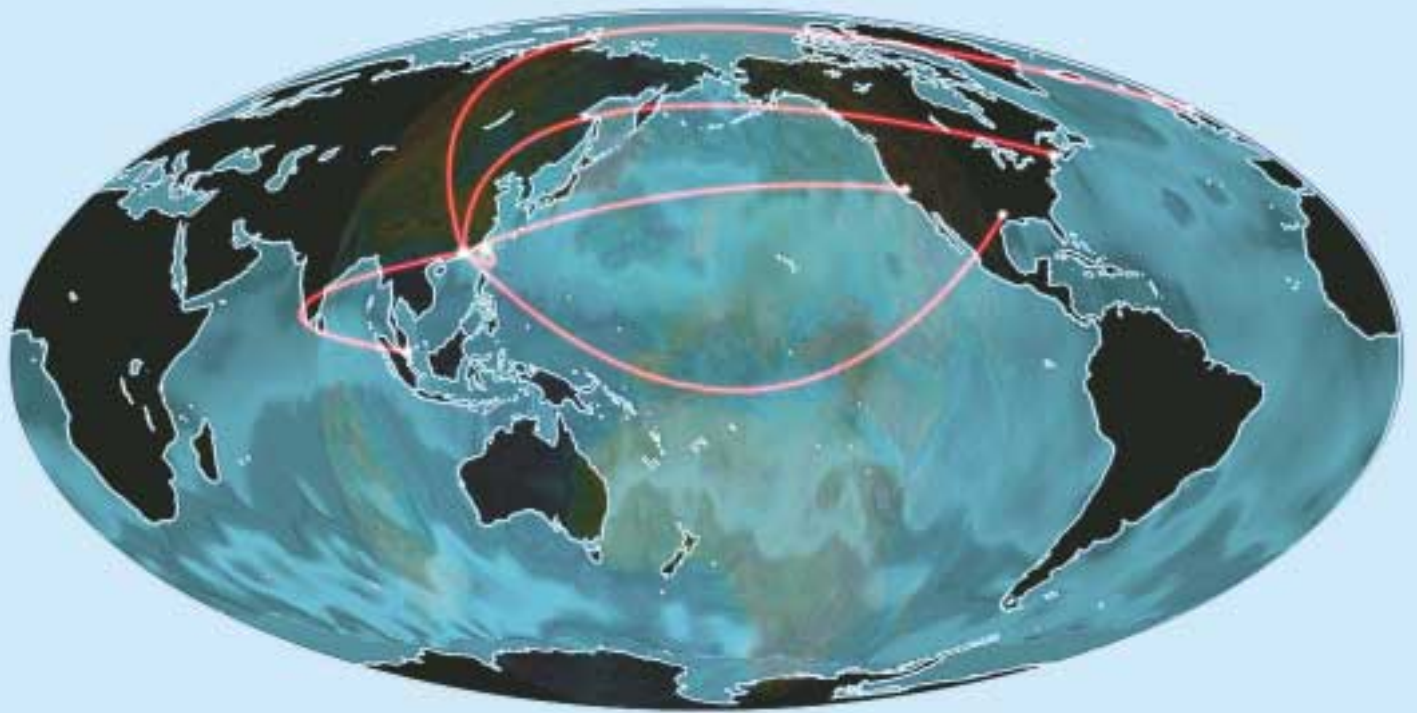
INVESTING IN THE FUTURE



QPL is always looking ahead to future development trends in the industry and the future needs of its customers. As such, investing in new technology and equipment forms a vital part of QPL's business strategy. The company continuously assesses and evaluates how production processes and customer requirements can be refined and improved to increase levels of efficiency and quality. Investments are also being made in new technologies such as laser plotter systems, automatic etching machines, high-speed plating, automatic downset/taping equipment, licensing technologies (pre-plated leadframes, NiPd, TBGA, etc.) and laser based inspection systems for mask generation to final testing/inspection operations.

With our high quality products and personnel, as well as our continuous investment and improvement in new technology, QPL is committed to become the most preferred leadframe supplier in the world.

- a** Continuous improvement and problem-solving through total people involvement in quality control circles.
- b** Nickel-palladium plating machine computerized process control



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