OPTIMAS INTERNATIONAL

INDUSTRY IN FOCUS:

SEMICONDUCTOR CAPITAL EQUIPMENT

We support semiconductor capital equipment manufacturers with precision-engineered components used in cleanroom and high-spec environments.

Company Overview

100+	Years of expertise	**1,200+**	Global suppliers	**1,500+**	Global customers
750	Members serving globally	**2.2 Bn**	Parts supplied annually	**40K+**	SKUs supplied annually
365	Days a year support	**0**	Defect culture		



APAC • Europe • UK

11 distribution facilities across 7 countries

Industry-Specific Systems We Support

- **Wafer Fabrication**
  - Oxidation & Diffusion Equipment
  - Thermal Processing Equipment
  - Film Deposition Equipment
  - Lithography Equipment
  - Track Systems
  - Etching Equipment
  - Ion Implantation Equipment
  - Wet Processing & Cleaning Equipment
  - Chemical Mechanical Planarisation Equipment
  - Metrology Equipment
  - Inspection Equipment
  - Wafer Handling & Automation System
- **Assembly and Test**
  - Dicing & Singulation Equipment
  - Burn-In Equipment
  - Semiconductor Test Equipment
  - Packaging Equipment
- **Advanced Packaging**
  - Wafer Bonding Equipment
  - Die Attach Equipment
  - Flip-Chip Bonding Equipment
  - Wire Bonding Equipment
  - Encapsulation & Moulding Equipment

Relevant Product Range

- **Vented Screws**
  For vacuum applications.
- **Anti-Static Fasteners**
  For ESD-sensitive environments.
- **Non-Magnetic Fasteners**
  For beamline, optical and inspection stability.
- **Corrosion-Resistant Alloy Fasteners**
  For aggressive chemistries.
- **Vacuum-Compatible Fasteners**
  With low outgassing characteristics.
- **Speciality Coated Fasteners**
  For galling prevention and wear reduction.
- **Custom-Engineered Micro Fasteners**
  For high-precision assemblies.
- **Precision Materials**
  Including stainless steel, titanium, Inconel®, Hastelloy® and high-performance polymers.

Case Study

We helped a leading fluid and gas delivery system manufacturer in APAC achieve a comprehensive supply chain and inventory management solution.

450+	SKUs
28.2M	Parts shipped from 2022-2024
78+	Suppliers managed

A Trusted Partner

7,000+	SKUs
100+	Supply partners
5,000+	Cleanroom compliant SKUs

Our clean-certified fasteners enable dust-free semiconductor production by delivering the industry's lowest particle and contamination levels.

We bring decades of engineered fastening expertise to semiconductor capital equipment applications, supporting customers with integrated component solutions. By combining application knowledge, local engineering support and global supply capabilities, we help simplify sourcing, reduce part complexity and support consistent product performance.

Cleanliness Capabilities

- **Ultra Clean Process**
  Precision washing removes particles, oils and residues to semiconductor grade levels.
- **Cleanroom Packaging**
  Each fastener can be sealed in ISO 5 (Class 100) cleanroom bags, ready for installation.
- **Low Particle and Metal Contamination**
  Meets or exceeds SEMI standards for fasteners used in critical vacuum environments.
- **Vacuum-Compatible**
  Designed to avoid virtual leaks and outgassing, helping customers achieve true dust free operation.

Optimas International has the sourcing expertise to find standard and complex parts for semiconductor capital equipment manufacturing.



Key Account Growth

Off-Highway OEM

35+ years of partnership

- Accounts grown by 15x
- SKUs increased by 275%
- Net sales increased over 10x

Power Generation OEM

30+ years of partnership

- Facilities grown by 11x
- SKUs increased by 1,100%
- Net sales increased over 23x

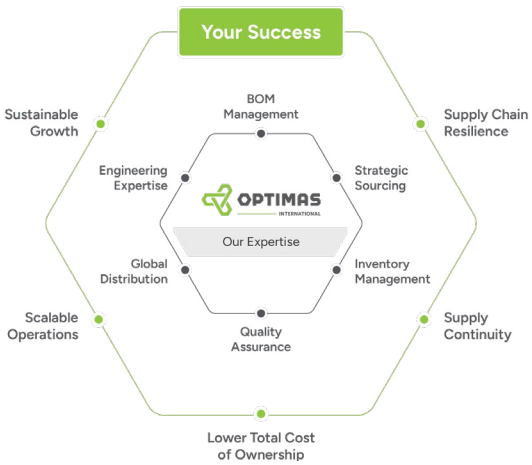
Value-Added Services

- **Global Presence, Local Support:**
  We help customers maintain consistency, reliability and speed across their operations through our global and local expertise.
- **Supply Chain Risk Mitigation:**
  We empower supply chains through strategic sourcing, strong supplier networks and proactive planning.
- **Bespoke Engineering:**
  Our expertise enables us to deliver fastening solutions tailored to meet specific manufacturing requirements.
- **Smart BOM Management:**
  By improving standardisation, reducing complexity and cost, we simplify BOM management, supported by OptiSpec®.
- **OptiTech® - Smart Inventory Solutions:**
  Using tech-enabled VMI programmes and real-time visibility tools, we help customers streamline operations, improve forecast accuracy, automate replenishment and maintain reliable stock levels.

Why We Do What We Do

Optimas International combines advanced engineering expertise, inventory management systems and global sourcing to simplify complex supply chains. We deliver scalable solutions that reduce total cost of acquisition and drive long-term value for our customers. In today's complex business environment, companies need a partner that mitigates risk and supports sustainable growth. We do this by:

MAKING EVERY CONNECTION COUNT.



Global HQ: GL2 2FR, Gloucester
European HQ: 57910, Hambach
Türkiye: 34956, Istanbul
China and SE Asia: 215122, Suzhou
India: 410501, Pune

- optimasinternational.com
- collaborate@optimas.com