

INDUSTRY IN FOCUS:

INDUSTRIAL EQUIPMENT AND AUTOMATION

We supply industrial machinery, automation and production equipment OEMs with standard and engineered fasteners and C-class components, supported by fastening engineering, supply chain solutions and managed inventory programmes.

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 Equipment We Support

- Machine Frames, Structures and Enclosures
 - Machine frames, bases and structural weldments
 - Profile and modular framing systems
 - Guarding, fencing and safety enclosures
 - Machine panels, doors and access covers
 - Control cabinets and electrical enclosures
 - Skids, platforms and equipment mounting
 - Levelling feet, anchoring and vibration isolation
- Fluid, Pneumatic and Thermal Systems
 - Hydraulic power units and circuit assemblies
 - Pneumatic valves, cylinders and actuators
 - Compressed air distribution and fittings
 - Cooling, lubrication and filtration systems
 - Process piping and manifold assemblies
 - Sealing and leak-critical joint assemblies
 - Thermal management and cabinet cooling
- Drives, Motion and Power Transmission
 - Gearboxes, drive units and couplings
 - Linear guides, rails and actuator assemblies
 - Servo and stepper motor mounting
 - Bearings, shafts and housing assemblies
 - Belt, chain and roller drive systems
 - Rotary tables, indexers and positioning systems
 - Robotic arms, end effectors and tooling interfaces
- Electrical, Control and Automation
 - Control panels, backplanes and DIN rail assemblies
 - Sensor, encoder and vision system mounting
 - Cable management, routing and containment
 - Earthing, bonding and EMC shielding
 - HMI, display and operator interface mounting
 - Power distribution and busbar assemblies
 - Safety systems, interlocks and e-stop hardware

Relevant Product Range

- Structural and Machine Bolting

Frame and baseplate bolting, high-tensile structural bolts, T-slot and profile system fasteners, foundation anchors, levelling and mounting hardware.
- Engineered Specials

Custom cold-forged and machined fasteners, turned parts, application-specific fasteners, make-to-print components and engineered assemblies.
- Materials and Finishes

High-tensile steel in property classes 8.8, 10.9 and 12.9, stainless steel, aluminium, brass and engineered polymers, with zinc-nickel, zinc-flake, Geomet®, galvanised, phosphate and anti-galling coatings.
- Fasteners and Threaded Products

Hex bolts, socket and machine screws, flange bolts, set screws, shoulder screws, studs, threaded rod, nuts and washers.
- C-Class Components

Pins, dowel pins, clevis pins, spring pins, circlips, retaining rings, spacers, standoffs, bushes, rivets, rivet nuts, threaded inserts, clips, clamps, cable ties, grommets and cable management.
- Retention, Sealing and Vibration Control

Locknuts, prevailing torque nuts, wedge-lock washers, retaining systems, thread-locking solutions, sealing washers, bonded seals, gaskets, O-rings and anti-vibration mounts.

Supply Chain Assurance

- Inventory management, kitting, Vendor Managed Inventory (VMI) and production line replenishment.
- BOM review and fastener rationalisation to remove duplicate specifications and reduce SKU complexity.
- Supplier qualification and performance management for industrial and automation supply chains.
- Certificates of Conformity and material certification.
- Supply continuity and obsolescence management for legacy and current platforms.
- Complete sample testing and certification, enabling a seamless transition to series production.
- Customer-specific compliance support, sustainability requirements and regulatory documentation.
- Supplier consolidation and risk reduction across fastener and C-class component BOM.
- Sourcing and inventory strategies adapted to high-mix, low-volume and multi-configuration production.
- Secure handling of customer drawings, specifications and technical data.

Automotive Tier-1 Case Study

Interiors, seating and emissions technologies manufacturer

- Lowered total cost of ownership, reduced supply risk and enabled faster production launches.

Forvia experienced part proliferation from its continually expanding product lines, causing increased inventory from redundant parts.

Optimas International created a standardised global part list for multi-programme use, resulting in efficiency gains and cost savings:

- Lowered total cost of ownership
- Reduced risk with consolidated supply chain
- Faster speed to market with quality-approved part list

Environment Capabilities

- Vibration and Cyclic Load Resistance

Locking and retention systems qualified against transverse vibration testing for machine frames, drive mountings and high-duty-cycle joints.
- Precision and Repeatable Assembly

Dimensional accuracy, torque-tension data and component selection reviewed against installation time, tooling access and suitability for automated and semi-automated assembly.
- Environmental and Corrosion Protection

Zinc-nickel, zinc-flake and stainless solutions for washdown, humidity, coolant and chemical exposure, with bimetallic isolation guidance for mixed-material structures.

82% | Standardised SKUs

79% | SKU reduction

€1.6M | Annual cost savings

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.

