

Global supply chain integration in the automotive sector

MIDLANDS, UK

Products

- Battery Vents
- Water Pumps
- Chiller Units
- Thermostat Assemblies
- Breathers
- Charger Breather
- Inverter Breather
- Carbon Canisters
- Expansion Tank Assemblies
- DMTL Assemblies
- Idler Bracket Assemblies
- Aux Valve Assemblies
- Tool Kits
- Water Inlet Pipe
- Secondary Air Bracket Assemblies
- Symposer
- Ride Height Sensors
- Oil Pickup Pipe
- Vac Pump
- Water Bypass Tubes
- Spare Wheel Tie Down Bolt

Capabilities

- Made to print assemblies through Poke Yoke rigs / workstations, supported by Full Project Engineers, CAD Engineer, PPAP Engineers, Process Engineers and Quality Managers across all sites

Facilities

- Oven forming
- Mono / Multi-layered nylon
- Fuel lines
- Brake hoses
- Breather / Vent pipes
- Vacuum hoses
- Air hoses
- Drain tubes
- Oil bottling machine
- 3D Printer

STOURPORT, UK

Products

- Jacks
- Winch / Lift Assist
- Control Cables
- Park Brakes
- Pedal Box
- Chassis
- Other Pressings
- Plastic Injection Moulding

Capabilities

- Jack development and DVP
- Spare wheel winch development and DVP
- Medium to light duty actuation cables development and DVP
- Pedal box development and DVP
- Complex metal brackets
- Plastic injection moulding up to 150T
- Fully equipped test laboratory

Facilities

- Range of stamping presses up to 260T
- Cable extrusion, die casting and manipulation
- Conduit manufacture
- Cable winding
- Plastic injection moulding up to 150T
- Automated robotic MIG welding
- CNC machining
- Manual, semi-automated and fully-automated assemblies

NEWTON AYCLIFFE, UK

Products

- BIW Stampings
- Wiring System Support Brackets
- Interior Trim Brackets
- Seating Mechanisms
- Seat Restraint Components
- Fuel System Support Brackets
- Suspension / Chassis Mounting Brackets
- Perforated External Grills
- Perforated Speaker Assemblies
- Bumper Stampings / Assemblies
- Engine Stamped Components
- Pedal Boxes
- Instrument Panel Beams

Capabilities

- Small to medium pressing supplier with on-site powder coating and EP paint lines
- Robotic MIG and spot welding
- Assemblies

Facilities

- Progressive Presses up to 600T
- Robotic MIG and spot welding
- EP Coating line: 1000 hours salt spray
- Assembly
- We are also looking at investing in 2 new 800T / 1000T presses

NITRA, SLOVAKIA

Products

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- Drain tubes
- Oil bottling machine
- 3D Printer

KOCAELI, TURKEY

Products

- Tyre Carriers and Cables
- Parking Brake Assembly and Park Brake Cables
- Cables for: hood release, clutches, windows and doors
- Safety Critical Seat Belt Retaining Cables

Capabilities

- Development and DVP for spare wheel winch, park brake and cables
- Tooling development (progression, injection moulding)
- Metal stamping development progression and single operation
- In-house tool room and die making
- Fully equipped test laboratory

Facilities

- Cable manufacturing
- Extrusion, moulding and over moulding
- Progression pressings up to 600T injection moulding with robotic handling
- Final assembly and test facility
- Zamak injection
- Electrostatic powder paint line
- CNC machining

CHENNAI, INDIA

Products

- Connecting Rods
- Car Jacks
- Tool Kits
- Thermostats and Elements
- Exhaust Manifolds
- Control Cables
- Machining
- Metal Pressing

Capabilities

- Jack development and DVP
- Thermostat development and DVP
- High precision machining and grinding of Conrods
- High precision machining of Steel and Aluminium
- Development of prototypes for testing and analysis
- Fully equipped metrology laboratory
- Aerospace accreditation AS9100

Facilities

- Conrod automated machining transfer lines — forged and sintered
- Steel presswork — 29 presses up to 1000T
- Jack assembly lines and CNC machining
- Thermostat element manufacture and calibration
- Manual assembly of medium duty control cables
- CNC machining of steel and aluminium castings
- Aerospace component machining

ARLINGTON THERMAL MANAGEMENT

READING, UK (Head Office)

Products

- Thermostats - Heated & Mechanical
- Insert Mechanical Thermostats
- Oil Regulators
- Complex Technical Plastic Injection Moulding
- Welded Plastic Coolant Assemblies
- Metal Pressings
- Aftermarket Hydraulic Steering Gears

Capabilities

- Engine thermo-management systems expert
- Element and thermostat manufacturing
- Design, development, prototyping and validation
- Fully equipped test laboratory
- CAE and CFD analysis
- 3D printing

Facilities

- Range of plastic injection mould presses up to 600T
- Ultrasonic welding equipment for leak tight joining of complex assemblies
- Manual, semi-automated and fully-automated assemblies
- Thermostat wax element charging and calibrating

GRENOBLE, FRANCE

Products

- Thermostats - Heated and Mechanical
- Plug In Heated Thermostats
- Insert mechanical Thermostats
- Wax Element for Thermostatic Radiator Valve and Industrial Applications
- Heated Wax Element (Floor Thermal Management)
- Pressure Valves
- Welded Plastic Coolant Assemblies
- Thermostat Plastic Housing Injection Moulding
- Temperature Regulators for Air, Oil, Water and Fuel

Capabilities

- Engine thermo-management systems expert
- Element and thermostat manufacturing
- Transmission oil valve development and validation
- Design, development, prototyping and validation
- Fully equipped test laboratory
- CAE and CFD analysis

Facilities

- High speed in-house designed wax element production machines
- Fully-automated and manual assembly
- Development and technical facility with laboratory
- Development of prototypes and prototype tooling
- Plastic injection moulding up to 300T

PIRACICABA, BRAZIL

Products

- Thermostats - Heated and Mechanical
- Insert Mechanical Thermostats
- Wax Elements
- Oil Regulators
- Thermostiches (only for Aftermarket)
- Plastic Housing Injection Moulding
- Aluminium Housing Injection Moulding

Capabilities

- Engine thermo-management systems expert
- Element and thermostat manufacturing
- Transmission oil valve development and validation
- Design, development, prototyping and validation
- Fully equipped test laboratory
- CAE and CFD analysis

Facilities

- High speed in-house designed wax element production machines
- Fully-automated and manual assembly
- Development and technical facility with laboratory
- Development of prototypes and prototype tooling
- Plastic injection moulding up to 300T

OBERBOIHINGEN, GERMANY

Products

- Heated and Mechanical thermostat assemblies
- Range of mechanical wax elements
- Range of heated wax elements
- Lead free wax elements
- Long life wax elements
- Thermostat with integrated housing
- Thermostat and Hose assemblies
- Electrical fluid valve
- Three plate thermostat for zero flow
- Split cooling thermostat modules
- Insert sleeve thermostat for high flow control
- Low temperature thermostat
- Fuel thermostat
- Oil regulator valve
- Insert oil regulators
- Heated thermostat with map sensing position control
- Electric fluid switching valve
- Electric fluid flow valve with motor control

Capabilities

- Thermostat Manufacture and Assembly
- Heated and Mechanical Wax Element manufacture
- Vibration and Sonic Plastic Welding
- Heater over moulding
- Complex plastics design and manufacture
- Electronics and control
- Design Development and Validation
- State of the art In-house testing laboratory
- CAE and CFD Analysis
- Computational structure mechanics
- Prototyping in a variety of materials

Facilities

- Plastic injection moulding machine up to 350t
- Ultrasonic welding equipment for leak tight joining of complex assemblies
- Manual, Semi-Automated and Fully Automated assembly
- lines
- Thermostat wax element charging and calibrating
- Industrial washing machine
- Focus independent aftermarket

MICHIGAN, USA

Products

- Insert Thermostats (Cooling)
- Integrated Thermostats ALU & Plastic Housings (Cooling)
- Sleeve Thermostats (Cooling)
- Thermostats (Oil)
- Heated Thermostats
- Split Cooling Thermostat Modules

Capabilities

- Local Application Engineer Team for Thermostat
- Assemblies

Facilities

- Manual and semi-automated assemblies

WUHU, CHINA

Products

- Thermostats - Heated and Mechanical
- Wax Elements

Capabilities

- Thermostat Manufacture and Assembly
- Heated and Mechanical Wax Element manufacture
- Vibration and Sonic Plastic Welding
- Heater over moulding
- Design Development and Validation
- In-house testing
- CAE and CFD Analysis

Facilities

- Plastic injection moulding machine up to 150t
- Ultrasonic welding equipment for leak tight joining of complex assemblies
- Manual and Semi-Automated assembly lines
- Thermostat wax element charging and calibrating