

Zetronic Quality Policy

We are committed to meeting customer, quality, regulatory and service requirements while maintaining the effectiveness of the Quality Management System.

- Customers are our MAIN FOCUS
- Our employees are our MOST VALUABLE RESOURCE
- Customers and suppliers are LONG-TERM PARTNERS
- CONTINUOUS IMPROVEMENT is fundamental to our success
- Our ultimate goal is ZERO DEFECTS

In the absence of feedback, after 10 days from submission, this document will be deemed to have been accepted by the supplier.

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1 Supplier management system overview

Zetronic strives to enable technology that creates value for our customers, the company, partners, and society. To achieve this vision, we must create virtuous cycles of mutual benefit with our suppliers. The success of the Zetronic vision depends on aligning our business with industry leading innovative solutions provided by trusted suppliers that deliver maximum value and profitable growth.

By leveraging supplier relationships, Zetronic gains access to new technologies, reduces costs, and ensures supply continuity. Zetronic is committed to long term relationships with suppliers in driving a zero-defect quality culture and has developed a holistic Supplier Management Program which includes processes for supplier selection, product/process qualification, ongoing control & monitoring, and timely communication for change control and improvement.

2 General

The **Supplier Requirement Manual** is to contribute to the implementation of joint quality, environment, occupational safety and health strategies based on the standards and rules listed in this document.

2.1 Purpose

The objective of this document is to ensure smooth processes between Zetronic and our suppliers and to minimize costs.

The Zetronic supplier requirement manual is a supplier's commitment to **ISO9001:2015 Section 5.1.2 Customer Focus**. The requirements defined in this document do not represent any limitation to the rules and standards referred to or to legal requirements. A comprehensive continual improvement committed to the fulfillment of **ISO9001:2015 Section 10.3 Continual Improvement** must be introduced within the supplier's organization with the intention to achieve zero defect target along the entire supply chain through cooperation and partnership.

Zetronic reserves the right to revise this manual at any time without prior notice.

2.2 Role

Zetronic Quality department is responsible for the maintenance of this document.

2.3 Scope

The Supplier Requirement Manual is valid for the supply of all production materials and software. It is also valid for services that affect customer requirements such as sub-assembling, plating, molding, sorting, rework, washing, outsourced production processes and calibration services.

It applies to all suppliers alongside the supply chain providing products to Zetronic. It is also applicable for customer directed suppliers (directed buy).

Zetronic suppliers are expected to extend the requirements of this Supplier Requirement Manual to their own suppliers and sub-suppliers.

2.4 Business language

All communications will be conducted in English unless otherwise requested by Zetronic. Unless otherwise specified by Zetronic, documents including product realization documents shall be written in English. In addition, they may display the native language of the supplier of the Zetronic receiving plant if common to both.

2.5 Management systems

All suppliers are required to comply with applicable local laws and regulations. All Zetronic selected suppliers are also required to be certified with the following management systems according to the defined sector specific requirements by an accredited certification body. The supplier will conform to the requirements stated under "All Other Sectors" by default unless advised by Zetronic. Zetronic will communicate to the supplier which sector they have been categorized under.

Table 1 Management Systems and Standards

Management systems		Automotive Sector	All Other Sectors
Quality	ISO9001 or Equivalent	Minimum ISO9001 required with the ultimate objective of being compliant to IATF16949	Required (Exceptions to having uncertified suppliers are permitted only in cases where an agreement exists with the end customer.)
Environmental	ISO14001 or equivalent	Only recommended, unless Zetronic requires	Implement controls based on ISO14000 without certification, unless certification is required by Zetronic
Occupational Health and Safety	ISO45001 or equivalent	Only recommended, unless Zetronic requires	Implement controls based on ISO45000 without certification, unless certification is required by Zetronic
Information Security	ISO27001 or equivalent	Only recommended, unless required by Zetronic	
Any additional certifications required by Zetronic		Zetronic will communicate to suppliers	

The effectiveness of the Quality Management system should be reflected by the following with the goal of Zero Defect.

- Continuous and verifiable improvement of processes, procedures and products
- Delivered quantity
- Delivery reliability
- Statistical driven, prompt and effective implementation of operations, corrective and preventive actions
- All level communications and feedback
- Appropriate and timely processing of new and revised projects

Suppliers are also required to define and be compliant with applicable industry standards and regulations.

On top of Suppliers' internal definitions, industry specific requirements applicable to each supplier will be communicated through documents including, but not limited to, this Supplier Requirements Manual,

Purchase Orders, Terms and Conditions, Quality Agreements (QA), Master Goods Agreements (MGA), Contracts or all other documents considered essential to objectives of Zetronic.

Suppliers who are expected to obtain/maintain their certifications to applicable industry standards shall inform the Zetronic purchasing department if their certification is suspended, revoked, or not renewed within 2 business days. Such suspension or revocation may result in the supplier status being reviewed for Zetronic's Approved Vendor List (AVL).

All goods from the affected suppliers in transition without official notification of acceptance by Zetronic shall be returned at the suppliers' cost. In the case where Zetronic discovers supplier violations of certification requirement, Zetronic is entitled to inform the respective certification body of such violation. It is the supplier's responsibility to keep Zetronic updated of the status for each certification.

Suppliers must inform Zetronic at least 6 months prior to the expiration of the certification if no recertification is planned.

2.6 Regulatory and statutory compliance

All suppliers shall adhere to and pass down all applicable statutory and regulatory requirements to their suppliers in the entire supply chain. The supplier shall apply the legal requirements of the production location and of the country of use during the product development phase to all products, processes or services both internal and external. This process shall be completed latest during the project deliverables submission

2.7 Government regulatory compliance, corporate social responsibility & sustainability

Zetronic expects all suppliers and their sub-suppliers to treat their workers and employees fairly and with dignity and respect, maintain safe working conditions, and conduct manufacturing activities in an environmentally responsible manner.

2.8 Zetronic code of conduct for suppliers

Zetronic requires all suppliers to conform to the Zetronic **Supplier code of conduct**. Zetronic also expects the supplier to issue this code to its suppliers to ensure their conformance to the code.

The **Supplier code of conduct** outlines the following social responsibility requirements:

- Labor and Human Rights Requirements
- Environmental, Health and Safety (EH&S) Management Requirements
- Respectful Workplace Requirements
- Ethics Requirements
- Proper Use Assets and Ideas Requirements

Written acknowledgement of the **Supplier code of conduct** is required for all suppliers. This acknowledgement confirms compliance not only from the supplier at each of its facilities supplying components, materials or services to Zetronic, but also its suppliers. Failure to comply with the **Supplier code of conduct** is justification for Zetronic to terminate its contract with the supplier and may result in blockage from Zetronic's Approved Vendor List (AVL). All goods in transition will also be returned at supplier's cost.

2.9 Quality objectives

The supplier shall ensure that quality objectives to meet Zetronic requirements are defined, established, maintained and reviewed for relevant functions, processes and levels throughout the organization.

In the context of quality planning, the supplier is expected to develop a "Zero-Defect Strategy" and take all necessary actions to achieve the "Zero Defect" target. If the quality performance has potential to

impact the safety, quality or delivery of products, the supplier shall inform immediately all possibly impacted Zetronic receiving plants and other involved parties in the supply chain to Zetronic.

2.10 Environmental, occupational health and safety

Effective environmental, occupational health and safety management, which ensures compliance with the respective applicable regulations and improves continuously and efficiently the environmental, occupational health and safety conditions of the supplier, is an essential contribution towards supply security. Zetronic is committed to the protection of the environment, the occupational health and safety of our suppliers and sub-suppliers. We therefore expect our suppliers to show voluntary commitment to environmental protection and implementation of occupational health and safety requirements with the necessary management system.

Zetronic never accepts noncompliance, unsafe behaviors, or unsound environmental practices for the sake of production or financial objectives and expects the same for our suppliers.

2.11 Recycling

Effective responsible recycling management system ensures compliance with the respective applicable regulations and protects the environment as it enhances responsible redesignation of waste.

Zetronic will communicate to the supplier if there is a requirement on the certifications for responsible recycling.

2.12 Responsible Minerals

All Suppliers whose products are likely to contain conflict minerals and other minerals (potentially relevant Suppliers) shall comply with responsible sourcing of raw materials and applicable regulations as stated in **Zetronic Conflict Minerals policy** and **Supplier Code of Conduct**.

Zetronic requires its potentially relevant direct material suppliers to provide reports to Zetronic (when requested but at least annually) stating all the smelters or refiners identified in the supply chain of products to Zetronic.

The report templates shall comply with the latest versions posted on the [RMI website](#).

In addition, suppliers should support the Zetronic commitment to identify, reduce and, where possible, eliminate any non-conformant sources of the minerals from Zetronic products.

2.13 Product compliance / material restrictions

Product safety and product liability are particularly significant for companies in the automotive industry. The Supplier has producer responsibility (product liability) for their parts and processes, including parts or processes from sub-suppliers, which Zetronic purchases to build their final products.

To mitigate product liability risk, the Supplier shall establish and maintain a **documented process** for product safety-related products and manufacturing processes, including defined responsibilities, PSQR nomination, special characteristics management, traceability, change management, escalation, and lessons learned.

Zetronic requires their Suppliers to designate a **Product Safety and Conformity Representative (PSQR)** to oversee all related tasks described in **IATF16949 section 4.4.1.2 Product safety** to ensure product safety. Furthermore, the Supplier shall apply these requirements to their supply chain.

2.14 Customer specific requirements

Suppliers and their sub-tier suppliers shall have an effective process to flow-down Zetronic requirements including Zetronic's customer specific requirements (CSRs), product requirements and project requirements. The flow-down process shall include all applicable technical requirements, drawings,

specifications, regulatory requirements, quality, environment, occupational safety and health management system requirements, documentation and control of special characteristics and processes, and CSRs from Zetronic and Zetronic customers.

2.15 Infrastructure

Suppliers shall determine, provide and maintain the infrastructure necessary for the realization of products and services to Zetronic. Maintenance of the infrastructure shall include implementation of workplace organization to promote efficiency and eliminate waste.

2.16 Security

Providers must have appropriate measures and policies for all aspects of data security (availability, confidentiality, and integrity). For this reason, all physical, hardware, software, premises, and shipping documents must be secured to ensure availability, where necessary, integrity against the risk of compromise or loss, and to prevent unauthorized disclosure.

Data breaches can have serious consequences, including loss of reputation, fines, and even criminal charges. Suppliers shall prevent unintentional disclosure and only grant access digitally stored and/or physically stored data/information to users after obtaining documented permission from Zetronic.

In the event of a data breach, Zetronic must be notified immediately.

Suppliers shall implement appropriate cybersecurity controls to protect networks, systems, applications, and connected equipment used to process, store, or transmit Zetronic data. This includes, as applicable, access control, password management, regular software updates and security patching, malware protection, backup and recovery measures, user awareness training, and timely detection, reporting, and response to cyber incidents that could affect Zetronic operations, products, or information.

2.17 Counterfeit prevention

Zetronic requires suppliers and their suppliers at all tiers to only procure and use parts obtained from the original manufacturers or their authorized suppliers to ensure genuineness.

Suppliers shall implement inspection, test, and authentication to prevent counterfeits, and shall notify Zetronic when suspect counterfeits are encountered.

Materials and products built with counterfeit components are considered nonconforming by Zetronic.

2.18 Zetronic property disposition

All tools for manufacturing, testing or inspection equipment belonging to Zetronic or customers of Zetronic shall be permanently marked to clearly identify that they are property of Zetronic or of the customer of Zetronic.

These tools shall only be used for Zetronic products unless prior permission is provided from Zetronic in writing.

3 Risk management & contingency plans

Risk management is essential for achieving the effectiveness of any plan, process, or system.

Suppliers shall apply risk-based thinking throughout their organization, from strategic business planning to daily task management, to enable shifting their focus from a fire-fighting mode to a prevention mindset.

Suppliers are required to have in place a **Business Continuity Plan / Contingency Plan** to address events such as a pandemic, natural disasters, supply chain disruptions, utility interruptions, workplace

accidents, fire, labor shortages, equipment failure, and any other potential risk events that could cause business disruption to Zetronic.

The plan should focus on protecting employees, maintaining operations, and alternate supply in the event of enforced closures and extend to its supply chain. Key elements such as Emergency Management Team Members, Business Recovery Process / Resource, Recovery Goals and Alternative Options for Business Continuity shall be included.

The plan shall be reviewed/updated/exercised/tested periodically to identify potential problems or gaps with corrective actions taken as necessary to ensure uninterrupted supply to Zetronic. Any changes concerning the contingency plans shall be documented and are subjected to the change management process.

Zetronic shall be informed immediately in the event of an actual disaster. In this case, suppliers must provide Zetronic access to Zetronic's tools and/or their replacements including linking up Zetronic to contacts of the sub-suppliers who provide these affected resources.

Suppliers shall incorporate risk-based management throughout the product lifecycle. Suppliers are expected to provide support and rapid responses to delivery and quality issues.

An **escalation process** shall be defined with clear responsibility to resolve issues and be communicated throughout the whole organization.

4 Documentation

Suppliers shall have a documented QMS in place that is compliant with applicable standards/regulations. Suppliers shall comply with retention requirements from applicable QMS, regulatory, and/or customer specific requirements. Zetronic requires the minimum retention years for records after production as the following:

- Automotive / Medical: 20 years
- Industrial / Commercial products: 5 years
- Aerospace / Defense products: 40 years (10 years for off-the-shelf material / parts)

Suppliers shall refer to sector specifics for detailed information on retention periods.

Suppliers must control and retain QMS documents and records in controlled conditions to prevent deterioration, destruction, or loss, and shall be readily available upon request from Zetronic.

Suppliers are expected to have a document control process that manages the life cycle of QMS documents. Suppliers must also ensure changes to QMS documents are implemented to proper change process.

5 Supplier selection and Control

5.1 Supplier selection

Zetronic chooses potential suppliers based on quality, technology, location, cost, compliance, and capability to gain or maintain its competitive edge. A supplier shall obtain approved status through **Zetronic's new supplier selection process** and be added to (if not already on) the **Zetronic Approved Vendor List (AVL)** before being eligible to receive a production Purchase Order.

Once identified as a potential supplier, the supplier will be registered through a specific onboarding process that includes making available and sharing a list of required documents that allow Zetronic to conduct a complete assessment of the relevant supplier's location.

The documents required are, es minimum but not limited to, the following:

- Supplier registration form (EN) / Modulo registrazione fornitore (IT)

- Supplier Payment Authorization (EN) / Autorizzazione al pagamento dei fornitori (IT)
- Supplier code of conduct (EN) / Codice di Condotta per i fornitori (IT)
- Confidentiality commitment and exclusion of commitments, obligations and guarantees (NDA)
- Conflict minerals policy (EN)
- Supplier Requirement Manual (EN) / Manuale dei requisiti per i fornitori (IT)

The qualification process may include a process audit if the product or customer requirements necessitate it. The **Zetronic Supplier Quality Representative (Supplier Quality Engineer)** will communicate Zetronic's expectations and supplier dispositions during supplier audits.

5.2 Supplier Control

5.2.1 Scorecard

Zetronic monitors supplier quality and shipping performance and promotes corrective actions for improvement through **Supplier Scorecards**.

Zetronic will provide the supplier with the performance results achieved annually.

5.2.1.1 Using the Scorecard to promote improvement

If the supplier's scorecard shows a red or yellow indicator, the supplier must define and communicate to Zetronic the improvement plans to reach the "green" level.

5.2.2 Audits

Zetronic reserves the right to carry out audits and assessments on relevant systems, processes, products or any Zetronic defined requirement, with a Zetronic representative, customer or third party appointed by Zetronic if necessary, after prior notification.

Suppliers shall have capabilities to support all forms of audits as required by Zetronic.

Suppliers are responsible for initiating and completing corrective actions for any findings resulting from above assessment in a timely manner.

5.2.3 Supplier Audit Planning

The supplier shall issue an audit program which defines the regular execution and the extent of internal and external audits including sub supplier audit. Suppliers shall have qualified auditors to fulfill the standards defined in the audit program.

5.2.4 Sub-Tier Supplier Control

Zetronic suppliers are responsible for the development of their own sub suppliers, including customer-mandated sub-Tier and Zetronic defined high-risk suppliers (e.g. plating, molding, assembly, etc.) on their necessary processes, competence and resources to manage sub suppliers.

Zetronic suppliers shall monitor their sub supplier's performance and carry out timely rectification and improvements when necessary. They shall ensure that the sub suppliers comply with all the requirements contained in this supplier requirement manual.

Change regarding a sub-supplier can only be implemented upon prior approval by Zetronic.

5.3 Supplier AVL status update

Suppliers, including customer-mandated sources, are expected to work with **Zetronic Supplier Quality Representative (Supplier Quality Engineer)** on their **Quality Improvement Plan (QIP)**.

The Supplier's AVL status will be reviewed if the QIP does not provide the necessary results within a Zetronic defined timeframe.

When using customer mandated / approved sources, suppliers are responsible for ensuring the quality of customer mandated / approved sources (purchased products, tools, gauges, etc.).

6 Product/process approval

6.1 New product development

Zetronic involves its suppliers as early as possible in the product development cycle. Utilizing the concept of concurrent engineering, joint effort is focused on compliance to the customer and regulatory/legal requirements and design for manufacturability. Suppliers are expected to participate in efforts to further reduce the costs of individual components.

In the case of being responsible for product design, suppliers are expected to meet the requirements defined in applicable regulations/standards. Suppliers are expected to actively communicate and stay updated with Zetronic and relevant authorities on the applicable standards and regulatory requirements.

6.2 Product description

All issues identified during the product description process will be tracked by means of an agreed action plan. Dimensions not described in the 3D models or 2D prints but necessary from a production engineering point of view shall always be determined, specified and agreed with Zetronic to avoid interferences and problems with manufacturing and assembly.

6.3 Feasibility studies

Suppliers shall analyze all technical documents as well as the purchasing terms and conditions and this supplier requirement manual as part of a contract review.

The requirements are to determine and confirm:

- Design feasibility (for suppliers with design responsibility)
- Manufacturing & Measurement ability
- Achieve and sustain process capability for special characteristics
- Design, process, costs, packaging and shipping
- Volume and timing ability

6.4 Project Plan

The supplier shall create a project plan for all new product development based on the Zetronic specified requirements. The project plan shall address the specified project milestones, schedule and deliverables that are agreed with Zetronic.

6.5 Design for manufacturing

The supplier shall participate in all design for manufacturing activities. All Zetronic requirements for the realization of the Design for Manufacturing shall be considered, included and reviewed with Zetronic for feasibility. All personnel, plant, facilities, tools, fixtures and equipment necessary for manufacturing are to be planned during the design for manufacturing and procured to meet the contracted volume

6.6 Design for environment

Whenever considered necessary by Zetronic, the supplier shall participate in all design for environment activities.

Suppliers shall define a list of necessary actions that aims to reduce the impact of product design upon the environment throughout the whole product life cycle.

A minimum of the following shall be considered during design for environment activities.

- Material and Extraction
- Production
- Transport, distribution and packaging
- Product use
- End of product life
- Disassembly, disposal and recycling

6.7 Inspection planning

For suppliers responsible for design and development, the supplier shall define internal project/product related quality objectives for measurement and evaluation of the achieved quality.

The supplier shall also always monitor the Zetronic defined specifications, to meet the quality objectives defined by Zetronic.

The supplier shall participate in all inspection planning activities to meet the quality objectives. All measurement and inspection tools, fixtures, equipment and external inspection and testing service providers necessary for manufacturing of all stages are to be planned, capability proven, approved by Zetronic and procured to meet the product requirements.

The supplier shall create an inspection plan based on the defined quality objectives for measurement and evaluation of the quality achieved with a control plan. This inspection plan shall include all characteristics to be inspected with appropriate inspection equipment, frequency and sample size.

6.8 Special characteristic identification & agreement

Zetronic describes product and service requirements on technical drawings, specifications, FMEA and relevant purchasing documents. Special Characteristics are characteristics with higher risks which require special consideration. Deviations in these characteristics can seriously affect product safety, product lifetime, assembly capability, product functionality, quality and can violate official or legal regulations. All characteristics shall be complied with.

A special characteristic is any feature of a material, process, part, assembly, or test that has a significant influence on product form-fit-function or any other expected deliverable, as identified and specified by Zetronic.

When considering special characteristics, suppliers should implement a mental model of flowing from Design FMEA to Process FMEA to control plans to inspection plans to Statistical process control.

Special Characteristics are specified by Zetronic and documented on the drawings and / or specifications.

Special Characteristics shall also include, but are not limited to, all relevant regulatory and statutory requirements.

It is the responsibility of suppliers to ensure that all drawings and specifications used to manufacture the product are the latest revision according to the Zetronic Purchase Order (PO).

If suppliers do not have the latest revision, they need to obtain it from Zetronic Procurement before they manufacture the product.

6.9 Personnel capacity / qualification requirements

Personnel need to be planned in a timely manner for both the project and production. Planning shall be performed in such a way that sufficient capacity is available at the start of both project management and production.

Personnel, including temporary personnel, are to be trained according to the prevailing conditions.

6.10 Manufacturing release

The supplier shall release all manufacturing and assembly stations before production release. The release shall be performed using a suitable checklist. The deviations, results and release shall be documented. A production release can only take place when all the results are successful.

6.11 Process flow charts

The supplier shall provide a process flow chart for the whole process chain from incoming to shipping. This process flow chart shall be presented to Zetronic for review. Any failure mode effects analysis, and any type of control plan shall align with the process flow chart.

6.12 Control plan

Suppliers are expected to consider the inclusion of control plan whenever necessary. The control plan presents a planning tool for preventive process security. It is implemented by a team through systematic analysis of production, test and operations processes. This team should be made up of its process owner and multi-disciplinary functions across the organization including external providers whenever necessary. The results from all Product/Process FMEAs, lessons learned with similar process and products and application of improvement methods shall be taken into consideration in the control plans.

6.13 Failure mode and effects analysis (FMEA)

Whenever necessary, the **Design/Process Failure Mode and Effects Analysis (FMEA)** shall be carried out and updated to examine possible risks and their evaluations.

These risks shall be minimized with appropriate measures in a timely manner. A FMEA should be used at a minimum for all phases of the product life cycle such as design, production, assembly, packaging, transport, customer usage, recycling, disposal, bypass/skip process. In addition, environment, lesson learnt, technical cleanliness should also be considered.

All FMEAs should be used as a continuous improvement tool.

6.14 Capability Studies

Suppliers are expected to consider the inclusion of capability studies for identified critical characteristics or whenever necessary considered by Zetronic. The supplier shall agree to conduct machine capability study and process capability study according to an agreed method with Zetronic.

Minimum requirements for capability indices, unless otherwise stated by Zetronic, are:

- $C_m / C_{mk} > 1,67$
- $P_p / P_{pk} > 1,67$
- $C_p / C_{pk} > 1,33$

If the minimum process capability is not met prior to the first production, a corrective action plan shall be developed by the supplier and submitted to Zetronic for approval; this corrective action plan will require 100% inspection or other means as agreed upon with Zetronic.

The corrective actions stipulated in the corrective action plan shall remain in place until capability can be demonstrated to Zetronic or Zetronic specific exit criteria are fully met and sustained.

6.15 Test planning / development release

Suppliers with responsibility for product design shall create and execute a plan, according to which the design (development results) will be tested to ensure that it meets the design specifications. The difference between planning and realization (gap analysis) shall be evaluated. The development release shall be confirmed and agreed with Zetronic.

6.16 Manufacturing prototype / concept parts / first off tool

For prototype/concept parts/first off tool parts, an inspection report specified by Zetronic with the necessary extent of documentation in the individual case shall be submitted with the first delivery and in the event of modifications. All drawing characteristics or the extent of the modification shall be verified on quantities agreed with Zetronic.

6.17 Release of product and process development

The supplier shall evaluate and document its releases for individual stages of product and process development. The results of these evaluations at each stage shall be described in the requested planning documents and agreed with Zetronic.

6.18 Product approval requirements

Suppliers shall meet Zetronic product approval requirements with Zetronic agreed deliverables. Any discrepancy or omission of Zetronic product approval requirements shall be communicated to Zetronic at the supplier's initiation. The deliverables shall be documented according to industry specific requirements or defined by Zetronic. Any discrepancy to the deliverables is subjected to Zetronic approval.

6.19 First article inspection (FAI) requirements

Whenever required by Zetronic, suppliers shall submit FAI according to the relevant Zetronic drawings or specifications and to be conducted with a Zetronic agreed quantity.

For more details, contact **Zetronic Supplier Quality Representative (Supplier Quality Engineer)**.

6.20 Capacity verification Run at Rate (R@R)

The purpose of Run-at-Rate is to demonstrate that Zetronic requirements for supplier capacity are met at peak demand, to provide evidence that the supplier can produce the required volumes to specification with existing capacity and to identify potential process weaknesses. Suppliers shall verify at the supplier's initiation with Zetronic if Run-at-Rate is necessary and the methodology to execute it.

6.21 Safe Launch

The supplier shall create and align with Zetronic a safe launch plan prior to transfer to production according to relevant Zetronic Safe launch procedures. The safe launch plan focusses on the smooth transition of a defect free product development output into on time pilot launch.

The minimum requirements of a safe launch plan include the Zetronic jointly agreed product characteristics matrix, purchase contract, design records, quality planning meeting, duration, inspection, deviation management, exit criteria and relevant pre-launch expectations. These serve as base documents to reference creation, execution, and reporting during the safe launch activity. This also applies to all sub suppliers who have an impact on these features and requirements and agreements.

7 Control and Monitoring

7.1 Identification and traceability

Suppliers shall have processes that identify and trace products from incoming material receiving to final product delivery to Zetronic. Labels for products and shipping shall meet requirements specified by Zetronic. Traceability to the lot/batch is expected. Suppliers shall be able to link process data to traceability data in case of product nonconformity.

Suppliers shall respond with traceability results within 24 hours of getting an inquiry from Zetronic.

7.2 Measurement system analysis

Zetronic expects suppliers to develop and maintain capable, accurate, and stable measurement methods and systems. Suppliers shall conduct Gage Repeatability and Reproducibility (Gage R&R) for all measurement systems whenever necessary according to the prevailing standards.

Zetronic reserves the right to specify the MSA study and methodology, and suppliers shall comply with and fulfill all Zetronic MSA requirements.

7.3 Calibration and maintenance

All measuring and monitoring equipment, including customer or supplier owned inspection/test equipment, tooling department equipment used to qualify or maintain production tooling shall have their calibration and maintenance planned and executed by qualified personnel.

Test software that is used to measure product quality shall be validated.

All calibration shall be traceable to national or international standards.

Records shall be maintained for all calibration and maintenance activities including reaction to out-of-calibration results.

7.4 Control of samples

Suppliers shall have a defined process for sample retention with at minimum the following:

- Appropriate storage conditions
- Identification of sample
- Retention period as defined by Zetronic
- Removal from system after retention period

Zetronic's minimum requirements for sample retention:

- For Automotive:
 - PPAP/PPA/qualification samples: 23 years
- For other products:
 - Qualification samples: 5 years
 - Production/other samples: 2pcs/lot/cavity (if applicable), 1 year after delivery to Zetronic

Suppliers and Zetronic shall review and reach an agreement on sample retention requirements. Zetronic may request a longer retention period, and more sample size and/or frequency based on Zetronic customer requirements.

7.5 Non-Conformity Communication and Resolution

Suppliers shall immediately notify and receive written approval from Zetronic prior to shipping any non-conforming material/product.

Supplier shall inform **Zetronic Supplier Quality Representative (Supplier Quality Engineer)** immediately when they detect that any discrepant material has been shipped to Zetronic or the customer. If material received from the supplier is not suitable for use, a return or sort/rework at the supplier's expense will be requested, and/or supplier shall cooperate with Zetronic entity to quickly resolve the issue when needed.

Suppliers will be liable for the associated cost caused by the supplier non-conforming material/product or missing shipment.

If Zetronic incurs cost of failure at the customer that is attributable to defective supplier material, charge backs will be made to cover failure costs imposed by the end customer.

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Zetronic has full authorization to debit charge back cost against the supplier's accounts receivable.

7.6 Supplier Quality Notification

The **Supplier Quality Notification (QN F type)** is how Zetronic notifies suppliers of non-conformities or missed deliveries. The number of QNs issued to the supplier and timeliness in resolving QNs will be used as part of the supplier performance (Scorecard).

The 8D problem-solving technique shall be used by suppliers using **ModQA217 – Supplier 8D report** unless otherwise specified.

Suppliers must update **Zetronic Supplier Quality Representative (Supplier Quality Engineer)** and submit required documentation within the timelines specified in the following Table.

Any timeframe extension must be communicated to and agreed with Zetronic.

Table 2 Zetronic 8D Action Timeline Requirements

8D Action	Timing*
Complete and return sections D1 – D3 to Zetronic	Within 24 hours of receipt of QN
Complete and return sections D4 – D5 to Zetronic Note: Target dates and individuals responsible for implementing planned corrective actions shall be shown.	Within 5 calendar days (within 10 calendar days just if agreed with Zetronic quality supplier representative)
8D Closure	Within 28 calendar days of QN receipt
* Reduced timing may be required depending on Zetronic customer requirements.	

7.7 Deviations

Suppliers shall formalize in writing each deviation request to be approved by Zetronic; written Zetronic approval is required prior to any follow up implementation.

Any product shipped with deviated characteristics must be identified with a Zetronic agreed method.

7.8 Control of reworked and repaired products

The supplier shall inform and get approval from Zetronic before executing any rework/repair and have a documented process and conduct a risk analysis (FMEA is recommended) for reworking and repairing products.

Any repair or rework not included in the agreed control plan during the product development phase is considered as process change.

7.9 Disposition of Nonconforming Products

All suppliers shall have a documented process for disposition of nonconforming products including production parts, production trials and engineering samples that are not subjected to rework or repair. For products not meeting requirements including any components not sent directly to Zetronic, suppliers shall verify that the product to be scrapped is rendered unusable prior to disposal unless otherwise agreed with Zetronic.

7.10 Controlled Shipping

Different Control Shipment Levels (CSL) may be applied to suppliers based on the non-conforming situation. Suppliers may be placed under one of two controlled shipping levels (CSL1 or CSL2):

Table 3 Control Shipping Requirements

Criteria	CSL1	CSL2
Initiation	Requested by Zetronic	Escalation when unsatisfactory performance after 3 months in CSL1
Implementation	Supplier Implements in addition to production sorting	Supplier implements additional inspection/sorting by external company validated by Zetronic with CSL1 criteria
Location	In dedicated zone outside production line	In dedicated zone outside production line
Control	Zetronic provides control instruction	Zetronic provides control instruction
Training	Supplier provides to operator	Supplier provides to external company and operator
Performance monitored by	Supplier	External company communicates with Zetronic and supplier
Conformity	Enforced and ensured by supplier	Enforced by Zetronic appointed panel of inspection / sorting companies, ensured by supplier.
Cost	Inspection/sorting cost will be borne by the supplier.	Inspection/sorting cost will be borne by the supplier.
Exit	By Zetronic approval	By Zetronic approval

7.11 Cost of Poor Quality

Zetronic tracks the Cost of Poor Quality (COPQ) including, but not limited to, sorting, rework, scrapped goods, line down, additional shipping costs, etc. Zetronic reserves the right to recover supplier related cost of poor quality.

8 Feedback & Change Control

8.1 Open Communication

Open communication between Zetronic and suppliers is vital to our partnership. Suppliers shall allow Zetronic's employees or representatives access to all manufacturing facilities and/or their suppliers in which products for Zetronic are being produced with reasonable advance notice from Zetronic.

It is the supplier's responsibility to ensure Zetronic is timely and adequately informed of all necessary entry requirements to supplier's and sub supplier's premises.

Suppliers and sub suppliers shall be willing to exchange information including quality data and collaborate on new product development or problem solving for Zetronic. Suppliers are to be available for technical support within the context of discussions at any Zetronic defined location. Communication concerning Zetronic products between the supplier, sub supplier and customers of Zetronic shall exclusively take place in agreement with Zetronic.

8.2 Escalation

The supplier shall have an escalation system agreed with Zetronic to ensure communication of all issues is timely and adequate in all necessary aspects.

8.3 Supplier Request for Change

Suppliers shall have a documented process to control and implement changes that impact product reliability and safety, product realization and manufacturing processes. Unless exempted by Zetronic, suppliers shall notify Zetronic of ANY proposed changes including:

- Specification change
- Material change
- Process change
- Location or address change
- New or modified molds, dies, assembly equipment
- Restart production following period of dormancy (**more than 1 year**)
- Supplier change
- Test method or inspection change
- Component change
- Upgrade or rearrangement of tools or equipment
- Packing specification change
- ERP system change
- Change in minimum order quantity (MOQ)
- Obsolescence
- Supplier's sourcing changes
- Outsourcing
- Loss of certification
- Business ownership change

The effects of any changes including changes caused by sub-suppliers shall be assessed, verified and validated by the supplier to ensure compliance with Zetronic requirements prior to implementation.

Suppliers shall not implement any such changes without written approval from Zetronic.

Zetronic will reject material/product shipped with unauthorized changes. All costs and expenses incurred by Zetronic because of unauthorized changes will be borne by the supplier.

Suppliers must notify Zetronic in writing at least 9 months in advance, unless otherwise recommended by Zetronic prior to the implementation of any change. Regarding discontinuation of manufacture and/or sale:

- Any Standard Product, including any Product that Zetronic purchases from any authorized distributor of supplier, the Supplier shall provide Zetronic with at least twelve (12) months advance written notice,
- Any Non-Standard Product, including any Product that Zetronic purchases from any authorized distributor of supplier, the supplier shall provide Zetronic with at least twenty-four (24) months advance written notice.
- Longer notifications may be required depending on end customer requirements.

Zetronic will specify the requirements for the approval of the change which may include a process audit, material qualification, documentation and any Zetronic customer specific or regulatory requirement.

9 Continuous improvement

Continuous improvement (CI) is an ongoing effort to improve products, services, or processes by constantly reviewing and improving effectiveness, efficiency, and flexibility. These efforts can target **incremental improvement** over time or **breakthrough improvement** all at once. Suppliers are responsible for identifying, initiating, and driving their own internal continuous improvement efforts to meet or exceed Zetronic expectations. Results shall be reviewed periodically to identify gaps and initiate improvement. Any changes resulting from the continuous improvement is subjected to change management.

9.1 Quality improvement plan

Supplier shall present a QIP to Zetronic at Zetronic's request or with the supplier's initiation that meets the targets and requirements stated in that QIP. Once the QIP has been accepted by Zetronic, Supplier is responsible for implementing the QIP. The effectiveness of the implemented activities within the QIP shall be evaluated on regular basis by both Supplier and Zetronic.

9.2 Supplier development

Based on supplier performance, audit results, and risk analyses, Zetronic will identify suppliers of new and existing products/services that need supplier development assistance and provide support. The focus of supplier development is to partner with targeted suppliers to help them solve specific problems, to increase their capabilities to effectively drive continuous improvement on their own, and to improve their quality management system. The types of support provided by the Zetronic can be divided into four categories:

1. **Solving Specific Chronic Problems:**

The Zetronic quality team is highly skilled at facilitating complex problem-solving efforts, by applying the best combination of methodologies (DMAIC, Kaizen Events, Design for Lean Six Sigma, PDCA, PDSA, etc.), tools, and level of rigor demanded by the situation.

2. **Developing supplier continuous improvement capabilities:**

The Zetronic quality team provides training and application support across an extensive portfolio of topics in areas such as Problem Solving and Improving Production Capabilities (from individual tools to entire methodologies), Developing a CI Culture, and Innovation; all to help Suppliers develop and accelerate their internal CI capabilities.

3. **Continuous Improvement:**

In situations when a Supplier has significant deficiencies in their ability to consistently supply quality product or services to Zetronic due to poor process performance across a wide cross-section of the Supplier's business, the Zetronic quality team can provide the needed support. Zetronic quality works together with Supplier leadership, to rapidly reduce risk and achieve immediately needed improvements, while supporting the deployment of the necessary processes and systems to ensure required performance and continuous improvement over the long-term.

4. **Quality Management System Improvement for suppliers of automotive products or services with the ultimate objective of certification to IATF 16949:**

Zetronic quality organization identifies areas where the supplier can improve their QMS to meet the Minimum Automotive Quality Management System Requirements for Sub-Tier Suppliers, and with the ultimate objective to be certified the Automotive QMS Standard.

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The Zetronic quality team will engage with existing and new suppliers needing assistance, as well as in situations with existing or new products.

9.3 Lessons Learned

Suppliers shall have a process to document and share knowledge, generally gained by experience within the organization.

10 Procurement & Delivery

10.1 Agreements

10.1.1 Non-Disclosure Agreement

Regardless of the level of technology or information disclosed, Zetronic will inform suppliers of the need to sign a Non-Disclosure Agreement (i.e., a Non-Disclosure Agreement) with Zetronic to ensure its confidentiality (see **5.1 Supplier selection**).

10.1.2 Master goods agreements (MGA) / Quality Agreements (QA)

New suppliers added to the Zetronic's Approved Vendor List (AVL) should sign the Master Goods Agreements (MGA) with Zetronic.

10.1.3 Purchasing agreement / Purchase orders

Product acceptance samples shall be specified on the Purchase Order. Suppliers shall ensure that all requirements specified on the Purchase Order are met. Zetronic requires that all Purchase Orders (POs) be acknowledged with quantity and promise date by a Zetronic acceptable method.

10.1.4 Delivery

Supplier shall commit to achieve 100% on-time delivery based on mutually agreed to lead time

10.2 Inventory management

Suppliers are expected to have systems in place to ensure that damage, deterioration, contamination, or other adverse effects do not occur during the handling and storage of products.

10.2.1 FIFO

Suppliers shall have a system to ensure Zetronic plants receive product following FIFO. Suppliers shall ensure implementation and management of effective FIFO of stock rotation from incoming of raw material throughout the production process and shipments.

10.2.2 Vendor managed inventory (VMI)

The goal of Vendor Managed Inventory (VMI) is to build a mutually beneficial relationship where the supplier has real-time visibility of Zetronic demand forecast and both sides can control the flow of the goods more smoothly and accurately.

Suppliers should build and reserve stock for Zetronic based on Zetronic's forecast.

The quantity to be kept in stock will be defined and negotiated with the supplier. Goods shall be provided and reserved in a controlled location (consignment location or hub). Hub stock may be at Zetronic requested location (external hut) or within supplier warehouse (internal hub).

VMI remains as supplier's inventory until it is released to Zetronic or as otherwise agreed to.

10.2.3 Shelf-Life

The supplier shall determine the shelf life of products and advise Zetronic of the information. Suppliers shall maintain a documented system for using, storing, and controlling items with limited shelf or storage life.

The system shall include a method of identifying and controlling such items to ensure expired items were not used in products shipped to Zetronic and that items shipped meet remaining shelf-life requirements. All products not meeting shelf-life requirements shall be handled as nonconformity.

10.3 Logistics

In principle, Zetronic establishes a logistics agreement with the supplier. Regardless of whether such an agreement was made or not, the following minimum requirements apply unless a variance has been explicitly agreed.

10.3.1 Planning of packaging including labelling

The supplier is responsible for packaging their components and improving packaging if it is not fit for its intended purpose. The packaging must be designed and verified in such a way to ensure that it is sufficiently robust to withstand any form of shipment required by Zetronic and arrive on time without damage or contamination. The planned type of packaging must be agreed with Zetronic on the supplier's initiative in sufficient time before any form of production.

All incoming materials must be identified according to Zetronic specifications. All hazardous materials must be packed according to relevant statutory, environmental, occupational health and safety requirements.

10.3.2 Corrosion prevention

All products which could be impaired by interaction with the environment shall be protected appropriately. Approval of the planned corrosion inhibitors whenever necessary shall be coordinated in a timely manner with Zetronic on the supplier's initiative and documented

10.3.3 Material flow

The supplier shall ensure batches are not mixed up and to be able to trace batches, raw parts, parts purchased from sub suppliers and parts from supplier's own production. Suppliers shall ensure the traceability of their products from Zetronic all the way back to their sub suppliers.

10.3.4 Cleanliness

The supplier is responsible for the cleanliness of both the parts and the packaging and shall take cleanliness specifications of Zetronic into consideration. Packaging shall protect the parts against contamination.

All packaging materials shall be recyclable, reusable or returnable whenever possible.

When required, the supplier shall ensure that the packaging for electronic parts conforms to Electro-Static Discharge and/or Moisture Sensitive Device specific requirements.

11 References

- Contratto Quadro di Acquisto / Master Purchase Agreement
- Codice di Condotta per i fornitori / Supplier code of conduct
- Zetronic responsible minerals sourcing policy
- Zetronic Supplier 8D Standard Form (ModQA217)

12 Terms and Definitions

Terms	Definitions
8D	8 Disciplines
APQP	Advanced Product Quality Planning
AIAG	Automotive Industry Action Group
AVL	Approved Vendor List
COPQ	Cost of Poor Quality
CSR	Customer Specific Requirement
EDI	Electronic Data Interchange
EH&S	Environmental Health and Safety
FAI	First Article Inspection
FAIR	First Article Inspection Report
FIFO	First In First Out
FMEA	Failure Mode and Effects Analysis
GSQ	Global Supplier Quality
IATF	International Automotive Task Force
IMDS	International Material Data System
MGA	Master Goods Agreements
MOQ	Minimum Order Quantity
MSA	Measurement System Analysis
NDA	Non-Disclosure Agreement
PCB	Printed Circuit Board
PO	Purchase Order
PPF	Production Process & Product Approval (VDA)
PPAP	Production Part Approval Process (AIAG)
Procurement Representative	Refers to the responsible Zetronic Category team, Commodity team, Procurement team, buyer and/or sourcing functions
QA	Quality Agreements
QIP	Quality Improvement Plan
QMS	Quality Management System
QN	Quality Notification
Quality Representative	Refers to the responsible Supplier Quality Engineer, Quality Engineer, Quality Manager, Quality Assurance and/or other quality function
R&R	Repeatability and Reproducibility
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
RoHS	Restriction of Hazardous Substances
SPC	Statistical Process Control
Suppliers	External organizations that: • design or manufacture products sold by Zetronic or • deliver materials, components or software incorporated into Zetronic products or • provide services that are required to manufacture Zetronic products
VDA	
VMI	
XRF	German Association of the Automotive Industry (Verband der Automobilindustrie)
	Vendor Managed Inventory

13 Appendix A – Automotive Sector Specific Requirements

13.1 IATF 16949 requirements

Suppliers of products and materials for Zetronic that are used in automotive products are required to meet the IATF16949 requirements which include the following:

13.1.1 Pre-production activities and expectations

Suppliers are expected to utilize the planning procedures from AIAG APQP / VDA MLA unless otherwise specified by Zetronic for all new product development.

The Supplier is required to provide documented evidence to the completion and results of all activities at various gates in the process.

13.1.2 Failure mode and effects analysis (FMEA)

Suppliers shall use the AIAG VDA FMEA method for projects launched in 2023 and later unless exempted by Zetronic.

13.1.3 Statistical process control

Suppliers shall monitor process performance using appropriate statistical techniques in accordance with the AIAG SPC Manual last edition.

Additional areas where statistical techniques can be used are Gage R&R studies, defect analysis, and continual improvement activities. All results shall be documented and made available on request by Zetronic.

13.1.4 Design of experiment

Suppliers shall use appropriate analytical techniques to improve capability and for problem resolution. Examples of analytical techniques are Design of Experiment (DOE) and benchmarking. Results shall be documented and made available upon request by Zetronic.

13.1.5 Laboratory requirements

Suppliers using internal and external metrology laboratories shall comply with ISO/IEC 17025 requirements including a documented laboratory scope and lab technician proficiency qualifications.

13.1.6 Measurement system analysis

Suppliers shall perform measurement system analysis (MSA) in accordance with the AIAG MSA Manual last edition. Other methods may also be implemented by the Supplier with approval from Zetronic.

13.1.7 Preventive and predictive maintenance

To ensure delivery capability, a system for preventive and predictive maintenance of production equipment and tools that comply with prevailing QMS requirement shall be developed by the supplier.

A maintenance plan shall be set out which includes the maintenance intervals and the extent of the maintenance.

Consistent execution shall be documented in writing. In addition to defining preventive maintenance intervals, a contingency plan shall be established for all processes that can influence the ability to deliver.

13.1.8 Production part approval process (PPAP – AIAG) / PPF (VDA2)

PPAP / PPF purpose is to provide evidence that all customer engineering design record and specifications requirements are properly understood by the manufacturer, and the manufacturing process has the

potential to produce product consistently meeting these requirements during an actual production run at the quoted production rate.

Documentation shall include special characteristics agreement, as appropriate, and packaging plan.

PPAP submission levels shall be per the following table unless otherwise specified.

Table 4 PPAP Level

Commodity	Submission
Plastic Resins	AIAG PPAP / PPF (VDA2) or otherwise specified by Zetronic
Metal Raw Materials	AIAG PPAP / PPF (VDA2) or otherwise specified by Zetronic
Precious Metal	Bulk Material PPAP
All other commodities	AIAG PPAP / PPF (VDA2) or otherwise specified by Zetronic

The external provider shall conform to the requirements of retention period for automotive products as required in IATF16949:2016 section 7.5.3.2.1 Record Retention with the agreed requirements met. Any changes to retention policy must be agreed by Zetronic.

13.1.9 Initial Samples

Initial samples are products manufactured and tested under series production conditions. The test results on all characteristics must be documented within the initial sample report. All the test criteria and quantity of parts to be documented shall be agreed with Zetronic. The initial samples shall be submitted to Zetronic within a Zetronic agreed timeframe with an agreed inspection report.

13.1.10 Purpose of Initial Samples

The PPAP / PPF is required if any of the following changes apply at the supplier or sub supplier:

- Product is ordered for the first time
- Sub-supplier change
- Affected characteristics after product/drawing/process/tooling change
- Following a production stop
- Following an interruption after business on hold
- Change in production location
- Change in inspection/test method

13.1.11 Initial Sampling deviation

Initial samples with the report and documentation may only be submitted if all specifications are fulfilled. In case of deviations, the supplier shall obtain a written waiver from Zetronic. Deviated initial samples without an official waiver from Zetronic shall not be processed and all costs pertaining to administer logistics and disposal shall be charged to supplier.

13.1.12 Layout Inspection and Functional Verification / Requalification

All products shall be subjected to layout inspection and functional verification (requalification) based on the requirements of initial sampling unless agreed otherwise with Zetronic.

The results shall be documented and be available for Zetronic review.

Frequency of the layout inspection and functional verification shall be **yearly**, unless otherwise specified by Zetronic. The layout inspection and functional verification / requalification shall be planned and presented with the initial sample inspection and included in the control plan.

All deviations are subjected to the requirements in Section **Initial Sampling deviation**.

13.1.13 End of Production Planning

Suppliers shall support custom part production service for 15 years after end of Zetronic serial production. No part is to go to the End of Life without Zetronic authorization.

13.1.14 Product Traceability

Suppliers shall meet the product's traceability requirements by CQI-28 standards.

13.1.15 Special assessments

Suppliers shall apply on a yearly basis all applicable¹ following AIAG Special Assessment:

- CQI-9 Heat treat
- CQI-11 Plating
- CQI-12 Coating
- CQI-15 Welding
- CQI-17 Soldering
- CQI-23 Molding
- CQI-27 Casting
- CQI-29 Brazing
- CQI-30 Rubber molding
- CQI-32 Bar Steel
- CQI-35 Wiring harness

13.2 Molding cavity pressure transducer

Suppliers shall use "cavity pressure transducer" in molding process.

Cavity pressure sensors build a process around what is actually happening in the mold, not what should be happening in the mold. Pressure data also helps to identify common molding problems, such as sinks, shorts, voids, warp, dimensional variation, and more.

Type, quantity and characteristics of molding cavity pressure shall be defined by supplier in process design phase. That will be defined and based on supplier/process/product/Zetronic requirements.

14 Appendix B – Commodity specific requirements – molding

14.1 Mold flow analysis for plastic injection molding suppliers

Various software could be applied to execute mold flow analysis, such as Autodesk, Moldflow, SolidWorks Plastics, Moldex3D, and Simple-Mold. Normally the input of mold flow analysis would be a 3D model of part, resin material properties and process parameters (e.g. injection pressure, temperature, and cycle time), while the output would be pressure, velocity, shear rate, fill time and temperature of molding, through which performance of product quality is evaluated (e.g. warpage, shrinkage, stress and defects). By using mold flow analysis, defects could be recognized and avoided (e.g. short shots, sink marks / excessive shrinkage, weak welds, blush marks around gates, silver steaks on part surface, flashing, dull streaks, flow lines, warpage, lamination, burn streaks.)

Unless exempt by Zetronic, suppliers or molding tool designers shall carry out mold flow before every tooling is kicked off to check including, but not limited to:

- The optimal gate locations
- Anticipate fill patterns and simulate the flow of molten plastic into a mold

¹ Referring to purchased product and service.

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- Balanced filling and packing
- Cavity layout
- Mitigation of short-shot molding issues
- Prototype and production tooling
- Optimal injection mold materials
- The best cooling layouts
- Structural and thermal analysis for tool life
- Core pull/deflection issues
- Engineering calculations of pressure or force
- Shrinkage and warpage compensation
- Other critical design factors or product characteristics

15 Summary of Changes

Revision	Summary of Changes	Author	Controller	Approver	Release date
A	First release	D. Cecchinato	N. Marini, A. Rech	A. Forcato	19/08/2026