

KEMET, a YAGEO Company is a leading global company with an excellent reputation in the capacitor industry. Our mission is Empowering the Future with Innovative Component Solutions and our values are Customer Focused, Integrity and Trust, Agility and Speed, Collaboration and Team and Sustained Innovation.

We want to attract individuals with a global mindset who are innovative thinkers and who have a passion for performance excellence. We are looking for self-motivated, proactive individuals with a good sense of professional responsibility and work ethics for the position:

R&D Material Engineer

Responsibilities

1. Developing, modifying, testing and evaluating materials:
 - a. **Characterization of new materials adopting state-of-the-art analytical techniques and developing new methods specific to the performance required by the final product**
 - b. Performing laboratory tests for projects and assisting in the upkeep of the lab, including hygiene, routine maintenance, inventory, calibration, writing up laboratory procedures for tests being performed
 - c. Adopt the "Stage & Gate" development process
 - d. Design and realization of the prototypes and samples
 - e. **New material qualification and approval (Internal and customer)**
 - f. New material implementation cost analysis
 - g. **Support the process and product engineering using the new material, according to the Company procedures**
2. Leading technical activities of Open Innovation:
 - a. Collaboration with Universities or external Laboratories
 - b. Active collaboration with industrial partners for the development of new materials for film capacitors
3. Technology scouting and forecasting:
 - a. Competitors' product analysis
 - b. Existing technologies analysis for new patents
 - c. Consistently updating about the state-of-the-art of scientific research in the field of Materials for film capacitors
4. Providing technical support to other Departments:
 - a. Collaboration with the Product Engineer on the Design FMEA and Process FMEA
 - b. Overseeing operational quality control processes about Materials control and incoming inspection
 - c. Providing technical advice about the suitability of materials
 - d. Support for production process definition and improvement
 - e. Definition and updating of the technical documentation
 - f. Support on failure analysis

Requirements, skills and competences

1. Education:
 - a. **Master degree in Material Science and Engineering, Chemistry, Chemical Engineering or Physics**
2. Language:
 - a. Macedonian
 - b. English fluent**
3. Experience:
 - a. 3-5 years as material scientist (plastic or resin or metals) or Ph.D. is an asset
4. Tools:
 - a. MS Office (Word, Excel, Powerpoint)
5. Competencies:
 - a. **Strong knowledge of science and engineering of materials, analysis and process**
 - b. Knowledge of polymers
 - c. Knowledgeable about various materials test techniques
 - d. Practical experience in the lab, gained during studies or on previous job
 - e. Hands on experience with measurement tools related to thin film analyses
 - f. Ability to make logical decisions based on adequate data analysis
 - g. Ability to apply fundamental theories in real engineering problem solving
 - h. Project Management Skills**
 - i. Capability to work in a dynamic international team**
 - j. Strong communication and organizational skills needed for interfacing with suppliers and customers
 - k. Creative thinking skills
 - l. Good attitude towards Innovation through interest and curiosity for Technology trends
 - m. Availability for business trip between R&D plants, and to meet Suppliers and Customers

If you are interested in the position responsibilities and you are confident with the required knowledge and skills, please send your application (**CV and Cover Letter**) by **March 20, 2022**, with subject line **R&D Material Engineer / your name and surname** to: macedoniacv@kemet.com

Only shortlisted candidates will be contacted.

The job applications will be kept in our database for one year.