Job Title: Engineer Materials and Process Technology RD&E

Job Family / Function: Technology

MRR ID/ Grade: Choose an item.

Career Band: Management /Technical Expert

Job Number: Job Summary

Date Created: Click here to enter a date.

Date Created: Click here to enter a date.

Job Summary

The Engineer Materials and Process Technology RD&E is expected to support building a new carbide processing lab which will focus on core technology development in the field of powder and binder development of cemented carbide products, advanced powder shaping processes (extrusion, direct pressing, injection molding) and final sintering of the products. The Engineer RD&E will be reporting to the Manager Material Science RD&E.

Objective of the position is to drive developments of new processes and advanced materials in close cooperation with the Business, Global Product Management, Manufacturing Engineering and Product Engineering. The position is key to further expand Kennametal's leading position in various product groups in the market through a strong, motivated, internationally oriented and effective R&D team capable of meeting the challenges of delivering a growth strategy within the EMEA region as well as globally.

The candidate can work effectively in a global matrix organization and is a good team player.

Key Job Responsibilities

Responsible for determining projects and subprojects in alignment with the technology road map for binder systems, extrusion and all related peripheral processes such as mixing, needling, sintering and sinter tray treatments responding to highest quality recommendations and cost effectiveness.

Supports developing requested experimental and analytical lab capabilities and enable future product and process developments in cooperation with global functions such as Businesses, Product Management, Advanced Manufacturing Engineering and Product Engineering. Coordinates process and product developments in a global technology and RD&E network.

Ensure efficient and in time implementation of new products and processes in manufacturing in cooperation with the plants and the Advanced Manufacturing Engineering team.

Supports developing investment and budget plans as well as global implementation plans in cooperation with Manufacturing and Finance.

Develops key networks and builds credibility and enhances Kennametal's reputation in materials science through external collaboration with universities and technical associations, as well as attending technical conferences in the field of expertise and responsibility.
Minimum Level of Education (for Job)
☐ High School  ☐ Associates/Technical  ☒ Bachelor’s Degree  ☒ Master’s Degree  ☐ PhD

Years of Relevant Work Experience Required: 3-5 Years

Preferred Areas of Education, Certifications, and Skills:
Master of Engineering with focus on Chemistry, Material Science or Process Engineering, preferably cemented carbide/ ceramic processing

Required Licenses & Certificates:
(e.g., Driver’s License, Accounting Certification, Citizenship, Engineering Certification)
Driver’s License, Engineering Certification
Role Reports to – Manager Job Title:
Manager Material Science R&D

People Management
☒ No ☐ Yes

Direct Reports Job Title(s):

Geographical Scope: Global
Management Scope: Function

External Relationships:
Contact with vendors, know-how partners, Universities and Technology partners; participation in congresses

Internal Relationships:
Product Management, Advanced Manufacturing Engineering, Manufacturing other R&D members

Travel Required
☐ No ☒ Domestic ☒ Global
% of Time 20% - 50%

(Required in U.S. – Optional for other countries)

<table>
<thead>
<tr>
<th>Physical Requirements</th>
<th>Working Conditions</th>
<th>Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Carrying/Lifting</td>
<td>☐ Office</td>
<td>☐ Computer/keyboard</td>
</tr>
<tr>
<td>☐ Climbing</td>
<td>☐ Laboratory</td>
<td>☐ Safety Glasses</td>
</tr>
<tr>
<td>☐ Crawling</td>
<td>☐ Plant Floor</td>
<td>☐ Safety Shoes</td>
</tr>
<tr>
<td>☐ Kneeling/Stooping</td>
<td>☐ Various Shifts</td>
<td>☐ Hard Hat</td>
</tr>
<tr>
<td>☐ Driving</td>
<td>☐ Overtime, Weekends, &amp; Holidays</td>
<td>☐ Power Tools</td>
</tr>
<tr>
<td>☐ Standing</td>
<td>☐ Extreme heat/cold</td>
<td>☐ Heavy Machinery</td>
</tr>
<tr>
<td>☐ Sitting</td>
<td>☐ Heights/Elevated Platforms</td>
<td></td>
</tr>
<tr>
<td>☐ Walking</td>
<td>☐ Confined Spaces</td>
<td></td>
</tr>
<tr>
<td>☐ Pushing/Pulling</td>
<td>☐ Dust/Fumes/Gases/Chemicals</td>
<td></td>
</tr>
<tr>
<td></td>
<td>☐ Loud Noise</td>
<td></td>
</tr>
</tbody>
</table>

Total Span of Control and Authority
Reporting relationships, geographical scope, and level of management responsibility

Relationships
Nature and purpose of interactions – external & Internal

Travel, Physical Requirements, Working Conditions and Equipment
Time spent traveling & physical requirements, working conditions, and equipment used if applicable