15 Westwood Drive
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Michael B. Hogan, PE

Desired Position: Design and development of mechanical systems or components where forward-thinking innovation provide better suitability for the customer's purpose

Professional Experience

2014 – May 2022 Henkel Electronic Materials, LLC Rocky Hill, CT

Global Scientific Principal

- Developed product/process for wireless charging phone case
- Process advisor for on-site engineering team that built production plant in China for high volume magnesium coating of PC case
- Trained customers on assembly and cure processing of optically clear adhesives for large format touch-screen laminations

2007 – 2014 Henkel Corporation Rocky Hill, CT

Program Manager, Integrated Equipment Solutions

- Rationalized equipment offerings to serve market demands for dispensing, including partnerships with outside suppliers
- Designed/Commissioned Phosphate+Ecoat systems, Aluminum pre-treatment lines and other conveyorized wet processes
- Defined designs for EC^2 bath, power supply and cooling systems as well as Ion Exchange (Fe+) processing for autophoretic paint

2000 – 2007 Henkel Loctite Corp. Rocky Hill, CT

Senior Equipment Project Engineer

- Designed 12 large resin impregnation systems, all customized for automotive plants in the USA, Mexico and Germany
- Modularized designs for a range of impregnation machines with options, improving quote response and reducing time to build

1995 – 2000 Loctite Corporation Newington, CT

Senior Application Engineer, Porosity Sealing

- Managed technical support of Porosity Sealing business for U.S., Canada and Mexico while supervising the sealing lab staff
- Created quality system for processing reactive sealants: flow diagrams, control plans, FMEAs, PPAPs and work instructions

Professional Experience

1992 – 1995 Loctite Corporation Newington, CT

Technical Service and Development Engineer

- Technical support to customer plants comprising electric motor assembly, loudspeaker production and PCB assembly
- Effective use of Design of Experiments and statistical analysis

April 1989–Oct. 1992 Scientific Research Associates Glastonbury, CT

Mechanical Engineer, Experimental Fluid Dynamics

- Responsible for development and execution of experimental investigations into complex fluid flows of NASA turbomachinery
- Built rotating turbine blade rig for laser velocimetry and jet engine after-burner facility with LabView based control system

1984 – 1988 {24 Months} Teledyne Continental Motors Mobile, AL

Cooperative Education Engineer-in-Training

Development of regenerative gas turbine engine for start-cart and ground power support of military aircraft and remote operations

Education

1983 – 1989 Auburn University Auburn, AL

Bachelor of Science, Mechanical Engineering

- Senior design project won *U.S. National First Prize*, ASME competition

Accreditations

- Licensed Professional Engineer, CT-ME since 1995, # 00019652
- Certified Manufacturing Engineer, SME, 1994
- Certified Powder Metallurgy Engineer, MPIF, 1997
- QS9000 Internal Auditor 1997 to 2003
- Henkel Emergency Response Team Leader, 1996 to 2018

Professional and Charitable Organizations

1990–2000	Hartford ASME Executive Board, Chairman:1996
2000–2004	APMI Connecticut Chapter Board
1993–1997	Ducks Unlimited, Hartford Area Chairman
2004–2018	First Church Executive Council, Simsbury, CT

Papers and Patents

- Magnet Bonding; Troubleshooting; Sealing PM for Plating
- Technology Databases for Porosity Sealing, Dispense Equipment, Surface Treatment Equipment, Machine Controls
- Optimized Rack Design for Impregnation, Patent 2007
- Rotating Fluid Wide Band Applicator, Patent 1998