Michael A. Paselk

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Professional Title

Robotics Programmer | Robotics Instructor | Paint Process Engineer

Specialist in Fanuc, ABB, Kawasaki, and Durr robotic systems with deep expertise in paint and sealer applications, system integration, and technical training. Proven record in automotive manufacturing with over 25 years of hands-on experience.

Education

University of Detroit Mercy

Surface Coatings Technology — 1992

Certifications

ABB Certified Instructor – IRC5 & SafeMove Programming

FANUC Certified Instructor – RoboGuide, HandlingTool Operations & Programming, R-30iB Controller, iRVision 2D

Technical Skills

- Robotic Platforms: Fanuc, ABB, Kawasaki, Yaskawa (Motoman), Durr
- Simulation Tools: Roboguide, PaintPRO, HandlingPro, RobotStudio, K-ROSET, Delmia V5, 3DOnsite
- Vision & Applicators: Fanuc iRVision, Versa Bell, Eco Bell, Sames Guns
- Compliance: RIA/ANSI 15.06 Standards

Professional Experience

Independent Contractor – Robotics & Paint Process Engineer | Feb 2014 – Aug 2023

- Programmed and integrated systems using Fanuc, ABB, Kawasaki, Durr, and Yaskawa robots
- Offline/online path teaching, installations, service, and vision system integration
- Delivered hands-on training as a certified instructor for Fanuc and ABB platforms

ABB Robotics Inc. – Field Service Engineer | Oct 2012 – Feb 2014

- Performed emergency service and system troubleshooting for paint and sealer robots
- Developed paths using RobotStudio; delivered technical training to end-users

Dürr Systems, Inc. – Process Engineer | Mar 2011 – Oct 2012

- Designed paint processes for OEMs (GM, Chrysler, Ford, VW, Honda)
- Executed feasibility studies and robot path programming with 3DOnsite

EMC2 Inc. – Robotics Engineer (Subcontractor) | Nov 2009 – Mar 2011

- Programmed Fanuc R2000 robots for welding, pick-and-place, and sealing
- Installation and setup of iRVision system and maintained robotic cells.

Matlab Inc. – Paint Process Engineer (Subcontractor) | Mar 2009 – Nov 2009

- Programmed Fanuc P-145 paint robots for Magna projects
- Executed Prime, Base, and Clearcoat robotic path development and customer trials

Applied Manufacturing Technologies – Paint Process Engineer | Mar 2008 – Jan 2009

- Developed paint paths for fascia and heavy truck lines using Delmia simulation

PPG – Paint Process Engineer (Contract) | Feb 2007 – Jan 2008

- Designed robotic paths for Fanuc P500/P155 robots for Chrysler, Nissan, and Toyota
- Supported a variety of bell and gun applicator systems

Subcontractor/Consultant – Process Engineer | Aug 2002 – Feb 2007

- Installed and programmed robotic systems for Chrysler facilities in Toluca and Saltillo

FANUC Robotics – Paint Process Engineer (Contract) | May 2000 – Aug 2002

- Programmed robots for Ford, GM, Honda, and VW paint/sealer operations
- Delivered training and process support

Early Career
ICI Polyurethanes – Lead Lab Technician | 1996–1999

- Managed MDI and M/T seating projects and foam defect troubleshooting

Sherwin Williams OEM – Technical Service Representative | 1994–1996

- Supported OEM automotive coatings accounts and maintained production quality

BASF (Contract) – Lab Technician | 1993–1994

- Prepared spray samples and performed batch formulation for color development

Akzo Nobel – Senior Lab Technician | 1989–1993

- Developed primer formulas, performed ASTM physical and quality testing

DuPont (Contract) – Lab Technician | 1988–1989

- Conducted spray-out and quality evaluations for analytical testing

Core Strengths

- Advanced robotics integration & process optimization
- Cross-platform simulation and path programming
- Expert troubleshooting and production support
- Strong communication, training, and leadership skills