

## Matt Smith > 3D Multidiscipline CGI, Design & Engineering

25 + years designing and creating for sales and project / manufacturing support: Architectural and Mechanical • Photo-Real physics-based lighting rendering and lighting animation • Interactive 3D for web content • Blueprints and Manufacturing Files • Retail Design and Planning • Design and Engineering for Manufacturing • Visual Merchandising Design • Restaurant Design • Retail Interiors • Tradeshow & Exhibit Design • Architectural Illustration • Large Format Graphic Design • Mechanical Design • Blueprints • Manufacturing & Quality Systems • Website design • Packaging and Branding

> CAD Design (Main Tools): Rhinoceros 3D, Autodesk (28 years combined total)

> Software Inventory: Autodesk – AutoCAD Mechanical & Electrical 2019, Inventor 2019, 3DSMax 2019, Maya 2019, Navisworks 2019, Revit 2019 / Rhinoceros 5,6 / Keyshot 8 / Cinema 4D / Solidworks 2014 / vray / Maxwell Render / Adobe Creative Suite – Photoshop, After Effects, Illustrator, Muse, Premier Pro, Acrobat (with 3D), Lightroom

### Hands-on:

Harley Davidson, General Motors, Boeing, Lear, United Technologies + more (Contract On-Site) Some details include: Designed automated manufacturing processes > Prepared quotes for major domestic and international projects (over 1.5 million USD) > Lean / Six Sigma process improvement facilitator, resulting in 35% increased throughput > Conceptualized manufacturing using 3D CAD & real-time VR > Manufacturing Process Flow, FMEA, Control / Action Planning, for large projects >\$1bln. USD > Project liaison and facilitator to Sr. Management > Responsible for Manufacturing integrity of F-22 wing spars (Boeing) > Verification of Materials and Manufacturing processes: Boeing, Lockheed Martin & DoD > Project launch manager of complex assemblies for Daimler-Benz > Represented General Motors World-Wide Purchasing group involving top 10 Quality Issues > Root-cause analysis at on-site customer locations (USA / Mexico) for Quality Control > Responsible for quality of fabrication for Harley Davidson motorcycles > Facilitating large weekly continual improvement sessions – Harley Davidson / Union > Responsible for the launch of new interior products – Auto (GM/Lear/United Technologies) > Facilitated the conversion of 2D blueprints from hardcopy to CATIA – Aerospace (IBM) > Facilitator of large peer-reviews – engineering of General Motors Truck & Bus Group > Product launch with customer General Motors – injection molded vehicle components > Manufacturing validation tryouts on-site + ISO9000 / QS9000 systems > Directed GD&T blueprint datum schemes: Automotive (GM/Ford/Chrysler) > Complex robotic CMM programming (Boeing/ Lockheed Martin/GM/Ford/Chrysler)> Quality Systems Authoring and Auditing ISO/QS 9000 > 3D Tooling & Fixtures.

### Noteworthy:

Six-Sigma Black Belt certification – Lear Corporation / Japan > Failure Mode Effect Analysis certification – General Motors / Detroit > National Tooling & Machining Association (NTMA) > GD&T / Blueprint instructor at Saint Clair Community College – Marysville, MI > Design for Manufacturability / Assy. (DFMA) – United Technologies / General Motors

### Project Examples:

<https://www.behance.net/mgs-designs>

<https://www.behance.net/gallery/76022671/Custom-Exhibit-for-Globalshop-ELF-Displays>

<https://www.behance.net/gallery/75999083/Store-in-Store-wBlueprints>

<https://www.behance.net/gallery/75684475/Retail-Examples>

### 360 interactive project rendering for mobile:

<http://www.mgs-designs.com/360/bugatti-MGS96/bugatti-MGS96.html>

### Music and Art:

<https://plus.google.com/u/0/+MattSmithsCreative>

### Interests & Involvement:

Autism awareness / Sons of Norway: <https://www.vegasviking.com/> / Guitar <https://www.reverbNation.com/MGSrocks>

Hiking, Mountain Biking, Mountains, 4x4, Time with son and family, Metalworking and welding. Palm trees.



### Contact and Links:

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<http://www.mgs-designs.com>

<http://wow-factor.design>

Kansas City / Las Vegas

