

Engineering & Technical

Experienced

Mechanical Design Engineer

Full Time - Integrated Assemblies - Motherson Sequencing and Assembly Services (MSAS) - Puebla, Mexico

At Motherson, we're committed to creating long-term jobs and advancing global careers. Featured on TIME's World's Best Companies list, we are a diversified global design, engineering, manufacturing, assembly and logistics specialist, delivering full-system solutions to customers across industries. With a focus on innovation, quality and sustainability, we strive to be a trusted industrialisation partner and an employer that nurtures a diverse, inclusive workplace.

Our Integrated Assemblies division leads in automotive innovation, specialising in premium module assembly and cockpit module integration. We collaborate with customers to deliver cutting-edge solutions supporting electrification. Join us to work with advanced technology and shape the future of automotive innovation.

What you'll do

- Develop 2D/3D CAD models and detailed drawings for automation cells and mechanical systems using SolidWorks, CATIA, AutoCAD.
- Design and integrate mechanical systems, assemblies, jigs, fixtures, and automation for manufacturing and assembly processes.
- Perform simulation, analysis, testing, and validation to ensure performance, quality, compliance, and KPIs (OEE, cycle time, cost).
- Collaborate with cross functional teams (design, production, quality) to support system integration and product development.
- Ensure design for manufacturability, support process planning, and optimize assemblies using robots, AGVs, lines, karakuri.
- Prepare, release, and maintain engineering documentation (drawings, BOMs, blueprints, process sheets) and design records.
- Support NPI, troubleshooting, supplier selection, standards compliance (UL), and service for existing production cells.

What we are looking for

- Bachelor's degree in Mechanical Engineering
- 5-10+ years in mechanical design, product engineering, or manufacturing
- Experience designing, building, and implementing automation and robotic cells
- Strong mechanical design, materials, GD&T, and tolerance analysis knowledge
- Proficient in CAD (SolidWorks, CATIA, AutoCAD) and simulation/validation
- Knowledge of CNC machining, tooling, assembly processes, system integration, lean methods, and advanced automation systems
- Occasional travel required

What we offer

- A pleasant working atmosphere, with good career opportunities.
- Build knowledge with varied and exciting assignments.
- We show our commitment to our people via the following values:

Interest for each other: We act with empathy and care about each other and our counterparts.

Together: We work together collaboratively and selflessly.

Trust: We say what we mean, keep our promises, and treat others with respect.

Respect: We respect and value people of all backgrounds.

Enthusiasm: We are curious, ambitious, passionate, humble, and life-long learners.