

## Soler & Palau-USA

### Manufacturing Engineer

Department: Engineering  
FLSA Status: Exempt  
Amount of Travel Required: 5%

Job Status: Full Time  
Reports To: Director of Manufacturing

#### POSITION SUMMARY

Evaluate, review and analyze current manufacturing processes for opportunities of improvement and cost reduction. Design, develop, test, and implement improvements in production processes including human work factors, quality control, material flow, cost analysis, and production coordination. Oversee the daily activities of the maintenance department.

#### ESSENTIAL FUNCTIONS

Analyze and apply statistical data, methods, and product specifications to determine manufacturing processes and standards. Establish quality and reliability objectives of finished product.

Develop manufacturing methods, labor utilization standards, and cost analysis systems to promote efficient staff and facility utilization.

Recommend and implement methods for improving utilization of personnel, material, and utilities.

Study, plan and establish sequence of operations to fabricate and assemble parts or products and to promote efficient utilization.

Confers with planning and design staff concerning product design and tooling to ensure efficient production methods.

Coordinate quality control objectives and activities to resolve production problems, maximize product reliability, and minimize cost.

Coordinate activities to resolve production problems, including BOM's, drawings, CNC programs, routings, and configurator.

Confers with vendors to determine product specifications and arrange for purchase of equipment, materials, or parts, and evaluates products according to specifications and quality standards.

Review production schedules, engineering specifications, orders, and related information to obtain knowledge of manufacturing methods, procedures, and activities.

Communicate with management and user personnel to develop production and design standards.

Estimate production cost and effect of product design changes for management review, action, and control.

Formulate sampling procedures and designs and develop forms and instructions for recording, evaluating, and reporting quality and reliability data.

Evaluate precision and accuracy of production and testing equipment and engineering drawings to formulate corrective action plan.

#### EDUCATION

Bachelor Degree - Engineering or equivalent from two-year college or technical school; or three years related experience and or training; or equivalent combination of education and experience.

#### SKILLS & ABILITIES

##### Computer Skills

Proficiency Windows environment - MS Word, Excel, Outlook

#### OTHER REQUIREMENTS

MS Project, Solid Works

#### PHYSICAL DEMANDS

<b>Physical Abilities</b>		<b>Lift /Carry</b>	
Stand	O (Occasionally)	10 lbs or less	F (Frequently)
Walk	O (Occasionally)	11-20 lbs	F (Frequently)
Sit	F (Frequently)	21-50 lbs	O (Occasionally)
Handling / Fingering	F (Frequently)	51-100 lbs	N (Not Applicable)
Reach Outward	O (Occasionally)	Over 100 lbs	N (Not Applicable)
Reach Above Shoulder	O (Occasionally)		
Climb	N (Not Applicable)		
Crawl	N (Not Applicable)		
Squat or Kneel	O (Occasionally)		
Bend	O (Occasionally)		
<b>Push / Pull</b>			
12 lbs or less	F (Frequently)		
13-25 lbs	F (Frequently)		
26-40 lbs	O (Occasionally)		
41-100 lbs	N (Not Applicable)		

**N (Not Applicable)** Activity is not applicable to this occupation.

**O (Occasionally)** Occupation requires this activity up to 33% of the time (0 - 2.5+ hrs/day)

**F (Frequently)** Occupation requires this activity from 33% - 66% of the time (2.5 - 5.5+ hrs/day)

**C (Constantly)** Occupation requires this activity more than 66% of the time (5.5+ hrs/day)

#### Other Physical Requirements

Vision (Near, Distance, Color, Peripheral, Depth Perception)

Ability to wear Personal Protective Equipment (PPE) (Eye Protection, Hearing Protection, and/or Gloves)

#### WORK ENVIRONMENT

Office environment, Warehouse environment

