

KCS INTERNATIONAL
Job Description
Steel Roller
Position number: 104 Grade: 4

Position summary: Roll out fiberglass laminate ensuring that no air pockets remain. Apply core mat, balsa, plywood and putty to glassed parts. Prep cured laminates. Ensure that quality standards are met at all times.

Principal Duties:

1. Steel rolling hull: Gather all supplies needed to complete task; step onto platform with 3-4 steps and over hull area with varying heights; hull can be up to angle of 45 degrees and up to 3 foot step up in hull to reach top of surface when rolling area; surface can get slippery due to spray.
 - a. Place balsa in appropriate areas of hull. Roll with steel roller/ brush spray to eliminate air bubbles and smooth out spray.
 - b. May also need to step out of hull and walk around on platform reaching 2 ft over top of mold to roll out surface.
 - c. This process may take up to 9 hours of work day.
2. Steel rolling of hull tipped on 90 degree angle: Gather all supplies needed to complete task; step into hull at 1 ½ ft step that is tipped at 90 angle, watching footing due to angle of mold gradual inclining to strake line/ bottom of the boat. Surface tends to be slippery due to process of rolling and balance is greatly needed in this area.
 - a. Roll out spray with steel roller in appropriate manner with R/L hand. In certain areas use paint brush to get air/ resin out of ridges. This technique requires over head reaching up to 6 ft tall to reach upper lip of boat.
3. Steel rolling of various other parts: Gather all supplies needed to complete task; step onto platform with max step up of 22 in high; step onto surface at various levels throughout time of performing tasks. May require step on platform of 19 ½ in; 3 step up; metal frame step of 22 in; maneuvering around part with step up of 21 in.
 - a. Roll out spray with steel roller in appropriate manner with R/L hand. In certain areas use paint brush to get air/ resin out of ridges.
 - b. Place mat in specific areas of mold when needed; steel roll area to complete prepping of part.
 - c. May have to cut balsa/ mat at times with scissors/ utility knife to fit in part.
4. Replace roving when needed. Box weighs 40#. Gather from prep area, place on cart and maneuver to work area. Lift box from cart to floor. Attach to gun.
5. Replace resin when needed. Resin barrel is stored in barrel room. Move barrel off pallet requiring 130* push force. Place barrel on dolly; requires 145* of push/ pull force to move. Recommend utilizing 2 people at all times to move cart. May have to move cart up to 3000 ft to work area.

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Functional Job Description

Company Address: 804 Pecor St Oconto, WI 54153	
Company Phone: 920-834-2211	Evaluation Date: 4/29/15
Persons present during evaluations: Karen Trepainer, Domingo Suarez, Jeanine, Amy Thibodeaux, OTR	
Shift: 1 shift- 5am-3:30pm 4 days/week	Breaks: 2 10 min breaks and 30 min lunch
Overtime: Yes Hours worked: occasional Friday (4-9 hrs)	
Social Conditions -with others and around others	
Job Summary: Roll out fiberglass laminate ensuring that no air pockets remain. Apply core mat, balsa, plywood and putty to glassed parts. Prep cured laminates; ensuring quality standards are met.	
Equipment Used: Steel roller, grinders, markers, routers, tope, utility knife, air nozzle, scissors, tape measurer, derometer, chopper gauge, barcol tester, barrel cart, pails, paint brush.	
Protective Equipment Used: Safety glasses, goggles when prepping, gloves, liners/ rubber gloves, dust masks recommended at times, protective clothing- paper type.	
Environmental Conditions:	
Indoors: <u>100%</u>	Outdoors: 0%
Temperatures: Mild	Average Temperature: 70-75 degrees Fahrenheit
Lighting Type: Overhead, fluorescent	
Noise: Minimum/ moderate	Vibration: Hand tools
Fumes: Dust, chemicals, filler, gel coat, resin, chop/ catalyst	
Hazards: Cramped spaces when inside boats; awkward postures when accessing parts; demands for lifting/bending when cutting areas; repetitive motion at elevated heights or extended distances; fast pace at times when parts are needed; and concrete flooring. Dust recommended at times due to fumes. Aware of surroundings with uneven surfaces, slippery at times due to spray coat, airlines may be on floor or across surfaces; use of sharp cutting utensils with chopping.	

Steel Roller						
Activity	Phys. Job Reqs.		Ess. Funct.		Comments	
Work Day (hrs)	10 hrs		Yes			
Sit (hrs)	15 mins per day		No		Sanding hatch on liner/ deck	
Stand (hrs)	30 mins; 8 hrs/day		Yes		On concrete floor, molds.	
Walk (hrs)	5 mins; 1 hrs/ day		Yes		Gathering supplies	
Key						
Occasional = O		Frequent = F		Continuous = C		Not Applicable = N
Less than 0 to 2.5 hrs (1-33%) or 1-32 reps.		2.5 to 5.5 hrs (34-66%) 33-200 reps		More than 5.5 hrs (67-100%) >200 reps		Not at all or minimally occasionally
Activity	N	O	F	C	Ess. Funct.	Comments
Bend/Stoop				X	Yes	Reach various surfaces on hull/ decks.
Reach – R/L				X	Yes	Use of steel roller with R or L hand
Squat			X		Yes	Reach various surfaces on hull/ decks.
Twist		X			Yes	Reach various surfaces on hull/ decks
Crawl	X				No	
Climb various surfaces				X	Yes	Step up max 22 in to gain access to hull/ deck surfaces
Kneel		X			No	Optional to roll surfaces
Balance				X	Yes	Stepping up/ down uneven surfaces of deck; hull at angle of 45 degrees/ hull tipped at 90 degrees and walking at incline up to bottom of boat (surfaces at times slippery due to gel)
Weights are in pounds unless otherwise stated.						
Above shoulders – R/L		5#			Yes	Roller for inside hull
Chair to waist- Bilateral		30#			Yes	Weight to place on part to secure it
Chair to floor - Bilateral		40#			Yes	Moving roving box from cart to floor
Push *		145*			Yes	Resin dolly approx 3000 ft
Pull *		145*			Yes	Resin dolly into spot needed
Carry – R/L				5#	Yes	Steel roller
Carry - Bilateral		40#			Yes	Roving box approx 5 ft
Foot	X				No	
Hand – Light Grasp R/L	X				No	
Hand – Firm Grasp R/L				5#	Yes	Steel roller
Hand – Fine Grasp R/L	X				No	
Head/Neck – Static				X	Yes	Aware of surroundings

Head/Neck – Flexion				X	Yes	Aware of surroundings
Head/Neck – Rotation				X	Yes	Aware of surroundings

* Push and pull measurements are taken with a force dynamometer and are not only dependent upon the weight of the item but also upon friction, wheel size, surface evenness, etc. The readings are an approximate measurement of the amount of force required to perform the job.