

KCS INTERNATIONAL
Job Description
Head Chopper
Position number: 112 Grade: 7

Position summary: Applies resin, balsa, wood, and putty to fiberglass parts.

Principal Duties

1. Back up gel performed to molds, required to find lite spots in gel; let the area cure, apply skin coat on area. Requires holding grinder/ chop gun which weighs 3# either one handed or both hands can be used at times.
2. Prep- grind and sand air pockets/ edges of skin coat
3. Place mat coat on; prep areas of mat- remove air and scuff up surface
4. Place another layer of mat on surface; prep wood inserts; place chop on surface and apply wood and plates to appropriate areas; place chop over required surfaces

Hulls:

1. Place skin over molds times two coats. Gaining access to hull requires climbing two-three steps with bilateral hand railing, two or three more steps with 0 railing. Surface of hull is angled throughout and requires balance during all activities to maintain positioning. Kneeling on one or two knees or squatting are required to complete tasks.
2. Place ring mat/ stringers in hull area and secure
3. Prep surfaces by checking for air bubbles and removing them; roughing up surface, spray core applied and putty to areas as needed
4. Putty strakes; apply chop to all walls
5. Place mat product on floor; place all rings as required
6. Prep and place another set of rings in hull area; prep entire hull by removing air pockets and roughing up surfaces
7. Place balsa on floor and walls
8. Tap walls and floor to find air pockets, pick these areas; place putty on plates; prep putty required areas
9. Cover hull with mat, this includes walls, floor and keel. Place all needed rings in place
10. Place final rings in hull, then proceed with matting area; prep entire area by removing air pockets that have been identified and rough spots
11. Refilling roving boxes as the product is depleted. This requires lifting and carrying 45# boxes of roving from storage area to work area which is approx 800 foot walk to the furthest work area. Can use cart/ dolly when available. Gather gel barrels which are on carts, requires push force of 145* and pull force 160* to maneuver carts around facility to work area. Furthest distance to walk with carts is approx 1000 feet.

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Functional Job Description

Company Address: 804 Pecor St Oconto, WI 54153	
Company Phone: 920-834-2211	Evaluation Date: 11/3/2015
Persons present during evaluations: Marvin Jarvey; Brenda Hipke	
Shift: 1 shift- 5am-3:30pm 4 days/week	Breaks: 2 10 min and 30 min
Overtime: Yes	
Hours worked: occasional Friday (4-9 hrs)	
Social Conditions -with others and around others	
Job Summary: Applies resin, balsa, wood, and putty to fiberglass parts	
Equipment Used: small grinder, big grinder, router, roller, fuzzies, pipe wrench, putty knife, extensions, hand mixer, drill, driver, staple guns, air nozzle, vacuum	
Protective Equipment Used: Safety glasses, ear protection, rubber gloves, protective clothing (pants/shirt), sleeves, hair net, goggles, dust mask, respirator	
Environmental Conditions:	
Indoors: <u>100%</u>	Outdoors: %
Temperatures: Mild	Average Temperature: 55-80 degrees Fahrenheit
Lighting Type: Overhead, fluorescent	
Noise: Minimum/ moderate	Vibration: Hand tools- minimal
Fumes: Dust, chemicals, resin	
Hazards: Uneven surfaces when inside parts; awkward postures when accessing parts for chopping; demands for lifting/bending when filling areas; fast pace at times when boats are moving off line; and concrete flooring. Respirator used when spraying gel/ core, required. Dust mask may be used when grinding areas, highly recommend.	

Head Chopper						
Activity	Phys. Job Reqs.			Ess. Funct.	Comments	
Work Day (hrs)	10 hrs			Yes		
Sit (hrs)	0			No		
Stand (hrs)	10 min			Yes	Inside boat hull to chop	
Walk (hrs)	5 min			Yes	Gather supplies	
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 hours (34-66%) 33-200 reps		More than 5.5 hours (67-100%) >200 reps		Not at all or minimally occasionally
Activity	N	O	F	C	Ess. Funct.	Comments
Bend/Stoop			X		Yes	Inside hull to chop
Reach – Bilateral			X		Yes	Hold spray gun
Squat		X			Yes	Complete lower spraying in hull
Twist		X			Yes	To apply spray inside hull
Crawl	X				No	Can squat or kneel to complete tasks
Climb Stairs		X			Yes	To get in/ out of hull
Kneel		X			Yes	Complete applying rings to hull
Balance				X	Yes	Uneven surfaces in hull
Above shoulders - Bilateral		3#			Yes	Large grinder for grinding/ chopping boat parts
Chair to waist- Bilateral		45#	3#		Yes	Large grinder for grinding/ chopping boat parts; box of roving- 45#
Chair to floor - Bilateral		45#	3#		Yes	Large grinder for grinding/ chopping boat parts; box of roving- 45#
Push *		145*			Yes	Move gel cart around facility
Pull *		160*			Yes	Move gel cart around facility
Carry – R/L			3#		Yes	Large grinder for grinding boat parts.
Carry - Bilateral		45#			Yes	Roving box appox 800 ft from storage area to work area very seldom; typical- 10 ft
Foot	X					
Hand – Light Grasp R/L	X					
Hand – Firm Grasp R/L			X		Yes	Hold scissors, roller handler
Hand – Fine Grasp R/L	X					
Head/Neck – Static		X			Yes	Look at work ahead
Head/Neck – Flexion			X		Yes	Spraying side of hull

Head/Neck – Rotation		X			Yes	Be aware of surroundings
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* 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.