Job Risk Analysis

Name(s) of Risk Team Members: P. Cirnigliaro, C. Porretto, D. Passarello, J. Stolfi	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Mechanical Assembly Job Number or Job Identifier: JRA 26-05	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Mechanical inspection of flanges at SMD	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training and Procedures List (optional): Approved by: *E. Lessard* Date: 3-7-05 Rev. #: 0	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple

Stressors (if applicable, please list all):	Reason for Revision (if applicable):	Comments:

				Before Additional Controls							After Additional Controls						
Job Step / Task	Hazard	Control(s)	**Stressors Y/N**	**# of People A**	**Frequency B**	**Severity C**	**Likelihood D**	**Risk* AxBxCxD**	Control(s) Added to Reduce Risk	**Stressors Y/N**	**# of People A**	**Frequency B**	**Severity C**	**Likelihood D**	**Risk* AxBxCxD**	% Risk Reduction
Move Crated materials into inspection area using electric pallet jack.	Being struck/crushed by an object falling, or rolling or sliding on floor.	Work planning, PPE, training, PE & SMD inspection and maintenance of equipment, , Tier 1 inspections, known weight of load, known center of gravity of load, known lifting points on load.	N	1	2	2	3	12								
Move Crated materials into inspection area using electric pallet jack.	Falls on same level.	Work planning, PPE (slip-resistant footwear), training, housekeeping, Tier 1 inspections.	N	1	2	2	2	6								
Recharging battery of pallet jack	Caustic chemical exposure / explosion of battery	Procedures, training, PPE (safety glasses).	N	1	2	4	3	24	Establish dedicated charging area with eyewash and shower.	N	1	2	2	3	12	50%
Recharging battery of pallet jack	Electric shock	Procedures, training, inspection and maintenance of equipment.	N	1	2	5	2	20								
Opening wooden crate containing flanges	Being struck by an object such as a sharp surface on a tool	Gloves, safety glasses, training.	N	1	3	2	3	12								

Opening wooden crate containing flanges	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying.	Work planning, training, Tier I inspections.	N	1	2	2	2	8									
Hand carrying flange to work surface and to storage shelf.	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying.	Training.	N	1	4	2	2	16									
Hand carrying flange to work surface and to storage shelf.	Falls on same level.	PPE (slip-resistant footwear), housekeeping, Tier I inspections	N	1	4	2	2	16									
Hand carrying flange to work surface and to storage shelf.	Cut or abraded by machined sharp edges.	Training, PPE (gloves)	N	1	4	1	2	8									
Hand carrying flange to work surface and to storage shelf.	Struck by falling object.	Training, PPE (safety shoes)	N	1	4	1	2	8									
Measure flange mechanical parameters using calipers	Being struck against an object such as a sharp surface on a tool	Training	N	1	4	1	1	4									
Further Description of Controls Added to Reduce Risk:																	

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable