








JOB HAZARD ANALYSIS Auto Bead Stringing Machine

Prepared by: Huy Dinh	Reviewed by:
	Approved by:

Location of Task:	Central Washington University
Required Equipment / Training for Task:	The required equipment of Auto bead string machine are gloves, eye protection, welding mask, Appropriate footwear, hearing protection and protective clothing
Reference Materials as appropriate:	Drilling, welding, painting

Personal Protective Equipment (PPE) Required						
(Check the box for required PPE and list any additional/specific PPE to be used in "Controls" section)						
						
Gloves	Dust Mask	Eye Protection	Welding Mask	Appropriate Footwear	Hearing Protection	Protective Clothing
X		X	X	X	X	X

Use of any respiratory protective device beyond a filtering facepiece respirator (dust mask) is voluntary by the user.

PICTURES (if applicable)	TASK DESCRIPTION	HAZARDS	CONTROLS
	Device Operation: Drill Feed the drill with the feed	Injury caused by breaking the bit	Feed with the appropriate pressure. Use the appropriate bit for the type of metal. Wear eye protection
		Eye or skin damage from cutting oil	Use the lowest RPM. Wear eye protection. Wear a long sleeved shirt.
	Device Operation: Grinding Turn on the machine and allow the grinding wheel to rotate to speed. Firmly hold the piece to be grounded up to the grinding wheel. Grind the piece. Turn off the machine and wait for the wheel to stop rotating.	Lacerations and severe eye damage from flying glass and ground bits Inhalation of fine dust particles. Burns caused by heat from friction and machine operation	Wear appropriate gloves and safety glasses. Wear a dust mask.
	Device Operation: Saw Vertical Align material on saw platform.	Muscle strain	Position body to maintain balance. Maximize use of legs. Avoid twisting and overextending.
	Device Operation: Welding Set-up material and equipment.	Inhalation. Burn, fire.	Ensure PPE is worn. Work in welding hood.

Engineering Technologies, Safety, and Construction Department

			Protect job site with barriers/curtains. Ensure ventilation is adequate for work.
	Device Operation: Welding Clamp / fix in place, weld as required	Struck against / by. Burns. Welder's flash.	Ensure PPE is worn. Wear cotton long sleeved shirt and appropriate PPE.