Risk Assessment Number PRA 00030

Product Risk Assessment Form

Supplier Name	Lincoln Electric Company	Part RA Revision Date	Product Manager	Supplier Part Number	SAP Part Number	Part Description	SAP Stats Group	Product Schedule to Licence (Yes/No)	Schedule Nbr or Date	PDF Copies as Evidence
Supplier SAP ID	AE39	2-Jul-13	Paul Smith	K1846-1 & -2	K1846-1 & -2	Commander 500				
Supplier ISO9001 Licence No. =										
ISO9001 Licence Expiry Date =										
Supplier Product Side Licence =										
RA Maximum Risk Score =	30									
RA Risk Rating =	Low Concern									

(Negligible & Low Concern Ratings) Product Manager Authorisation:- Date:- 23/8/13

(Medium & High Concern Ratings) Engineering Manager Authorisation:- Date:- 26/8/2013

and / or QA Manager Authorisation:-

(Critical & Catastrophic Ratings) Director Authorisation:- Date:-

Note 1 - RA based on specified Supplier and similar type supplied product from specified Supplier

Damage Effect	Product Hazard arising from use or failure	Consequence	Exposure Frequency	Control Measure Classification	Probability of Occurrence with Control Measures	Controls Measures to ensure Risk Rating	Comments or Actions for Product acceptance	Aspect Risk Rating Score	Aspect Risk Rating
Human Aspects	Optical Hazard from use	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Optical Hazard from failure	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Thermal Hazard from use	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Thermal Hazard from failure	Minor	Rare	Mostly Controlled	Possible	Worksafe Standard Practices	Use correct PPE, print warnings	6.00	Negligible Risk
	Electronic Radiation (EMC) Hazard	Nill	Nill	N/A	Not Possible	Not Required	Passed EMC standard requirements	0.00	Negligible Risk
	Toxicity - Respiratory Hazards	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Toxicity - Circulatory system Hazards	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Toxicity - Skin Irritation / Disorder from use	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Radiation injury	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Chemical Injury	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Refer MSDSs, Use correct PPE	30.00	Low Concern
	Physical Injury from use	Serious	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature	Use correct PPE, print warnings	30.00	Low Concern
	Physical Injury from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices		10.00	Negligible Risk
	Electrocution through welding	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	VRD fitted & control trigger on CV	10.00	Negligible Risk
	Electrocution through power outlets	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	RCD fitted	10.00	Negligible Risk
	Electrocution from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices		10.00	Negligible Risk
	Fatality from use	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk
	Fatality from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices		10.00	Negligible Risk
Energy Aspects	Thermal	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	22.50	Low Concern
	Electrical	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	VRD & RCD fitted, Print warnings	7.50	Negligible Risk
	Pressure	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Print warnings	22.50	Low Concern
	Gravitational	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Mechanical	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Product design	7.50	Negligible Risk
	Kinetic	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Vibration	Minor	Rare	Mostly Controlled	Unlikely	Worksafe Standard Practices		3.00	Negligible Risk
	Radiation	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	22.50	Low Concern
Emmission Aspects	Optical Radiation	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	15.00	Negligible Risk
	Thermal Radiation	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	15.00	Negligible Risk
	Electronic Radiation (EMC)	Nill	Nill	N/A	Not Possible	Not Required	Passed EMC standard requirements	0.00	Negligible Risk
	Noise Emmissions	Serious	Constant	Mostly Controlled	Possible	Worksafe Standard Practices	Use correct PPE, print warnings	22.50	Low Concern
	Chemical Emmissions	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Gaseous Emmissions	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	15.00	Negligible Risk
	Solid Waste	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Water Pollution	Minor	Rare	Fully Controlled	Unlikely	Product design	Fitted with spill tray	0.40	Negligible Risk
	Soil Pollution	Minor	Rare	Fully Controlled	Unlikely	Product design	Fitted with spill tray	0.40	Negligible Risk
End User Application Aspects (Financial)	Fire Risk from use	Serious	Constant	Mostly Controlled	Possible	Worksafe Standard Practices		11.25	Negligible Risk
	Fire Risk from failure	Serious	Constant	Fully Controlled	Possible	Worksafe Standard Practices		2.25	Negligible Risk
	Explosion Risk from use	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Explosion Risk from failure	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Collapse of Structure/equipment	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Rework of Structure/equipment	Nill	Nill	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Litigation	Serious	Constant	Mostly Controlled	Unlikely	Product design		7.50	Negligible Risk

This Risk Assessment is for equipment as manufactured and is applicable at time of the original delivery from Lincoln Electric. Once the equipment is on site / installed a new risk assessment will be required to be performed by owner / operator covering the new environment..

Customer Assistance Policy

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