

Risk Assessment Number PRA00044
Product Risk Assessment Form

Product Manager Authorization: *[Signature]*
 Date: 25/10/13

Inspector/Manager Authorization: *[Signature]*
 Date: 26/8/2013

QA Manager Authorization: *[Signature]*

Supplier Name	Lincoln Electric Company	Part RA Revision Date	Product Manager	Supplier Part Number	Part Description	SAP Status Group	Product Schedule to Release (Y/N/B)	Schedule Nbr or Date	PDF Copies as Evidence
Supplier SAP ID	AU10	8-Aug-13	Pavi Smith	K2254-1	SP-1701				
Supplier ISO/IEC License No. =									
ISO9001 License Expiry Date =									
Supplier Product S/Ns License =									
RA Maximum Risk Score =	90								
RA Risk Rating =	Medium Concern								

Damage Effect	Consequence	Exposure Frequency	Control Measure Classification	Probability of Occurrence with Control Measures	Controls Measures to ensure Risk Rating	Comments or Action for Product acceptance	Aspect Risk Rating Score	Aspect Risk Rating
Human Aspects	Product Hazards arising from use or failure							
Optical 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	Nil	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
Electronic Radiation (EMC) Hazard	Minor	Rare	Mostly Controlled	Possible	Worksafe Standard Practices	Use correct PPE, print warnings	6.00	Negligible Risk
Toxicity - Respiratory Hazards	Serious	Very Rare	Mostly Controlled	Unlikely	Worksafe Standard Practices	Passed EMC standard requirements	0.00	Negligible Risk
Toxicity - Chlamydiae system Hazards	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
Radiation injury / Dioxide from use	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
Chemical Injury	Nil	Very Rare	No Controls	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
Physical Injury from use	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Refer MSDS, Use correct PPE	0.00	Negligible Risk
Electrocution through welding	Moderate	Constant	Partially Controlled	Possible	Warning on Packaging and Literature	Use correct PPE, print warnings	10.00	Negligible Risk
Electrocution through power outside	Nil	Very Rare	Fully Controlled	Unlikely	Worksafe Standard Practices	Control Leaker	90.00	Medium Concern
Electrocution from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	No power outlets fitted	0.00	Negligible Risk
Health from use	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk
Thermal Hazard	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk
Pressure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk
Gravimetric	Minor	Very Rare	Mostly Controlled	Possible	Warning on Packaging and Literature	Print warnings	22.50	Low Concern
Mechanical	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	7.50	Negligible Risk
Vibration	Nil	Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Radiation	Serious	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Optical Radiation	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	22.50	Low Concern
Thermal Radiation	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	15.00	Negligible Risk
Electronic Radiation (EMC)	Nil	Very Rare	No Controls	Not Possible	Not Required	Use correct PPE, print warnings	15.00	Negligible Risk
Noise Emissions	Minor	Constant	No Controls	Unlikely	Worksafe Standard Practices	Passed EMC standard requirements	0.00	Negligible Risk
Chemical Emissions	Nil	Constant	No Controls	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	20.00	Low Concern
Gaseous Emissions	Serious	Very Rare	Mostly Controlled	Unlikely	Warning on Packaging and Literature	Use correct PPE, print warnings	0.00	Negligible Risk
Solid Waste	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	15.00	Negligible Risk
Water Pollution	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Soil Pollution	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Fire Risk from use	Minor	Rare	No Controls	Unlikely	Worksafe Standard Practices	Take appropriate precautions	0.00	Negligible Risk
Fire Risk from failure	Minor	Rare	No Controls	Unlikely	Worksafe Standard Practices	Take appropriate precautions	4.00	Negligible Risk
Explosion Risk from use	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
Explosion Risk from failure	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
Application Aspects (Pinmetal)	Re-work of Structure/equipment	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Litigation	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature		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.

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