

Risk Assessment Number **PRA00028** Product Risk Assessment Form

Supplier Name	Lincoln Electric Company	Part RA Revision Date	Product Manager	Supplier Part Number	SAP Part Number	Part Description	SAP Status Group	Product Schedule to Licence (Yes/No)	Schedule Nbr or Date	PDF Copies as Evidence
Supplier SAP ID	AU10	1-Jun-12	Paul Smith	K1728-4	K1728-6	Invertec V350PRO	Multi-process welders			
Supplier ISO9001 Licence No. =										
ISO9001 Licence Expiry Date =										
Supplier Product Side Licence =										
RA Maximum Risk Score =	90									
RA Risk Rating =	Medium Concern									

(Negligible & Low Concern Ratings) Product Manager Authorisation: *Paul Smith*
 Date: 1/6/12

(Medium & High Concern Ratings) Engineering Manager Authorisation: *D. Wragley*
 Date: 4/6/2012

QA Manager Authorisation: _____

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	Nil	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
	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	Nil	Very Rare	No Controls	Unlikely	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	Nil	Very Rare	No Controls	Unlikely	Worksafe Standard Practices	Refer MSDSs, Use correct PPE	0.00	Negligible Risk
	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	Moderate	Constant	Partially Controlled	Possible	Worksafe Standard Practices	CV - Control trigger and CC - Consider fitting VRD	90.00	Medium Concern
	Electrocution through power outlets	Nil	Very Rare	Fully Controlled	Unlikely	Worksafe Standard Practices	No power outlets fitted	0.00	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	Print warnings	7.50	Negligible Risk
	Pressure	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Gravitational	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Mechanical	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Kinetic	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Vibration	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Radiation	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	22.50	Low Concern
Emission 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)	Nil	Very Rare	No Controls	Not Possible	Not Required	Passed EMC standard requirements	0.00	Negligible Risk
	Noise Emissions	Minor	Constant	No Controls	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	20.00	Low Concern
	Chemical Emissions	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Gaseous Emissions	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Solid Waste	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Water Pollution	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Soil Pollution	Nil	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Fire Risk from use	Minor	Rare	No Controls	Unlikely	Worksafe Standard Practices	Take appropriate precautions	4.00	Negligible Risk
End User Application Aspects (Financial)	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
	Collapse of Structure/equipment	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Rework of Structure/equipment	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
Litigation	Serious	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature		7.50	Negligible Risk	

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

Note: File Authorised Risk Assessment in Product Specification Folder by Stats Grouping.