

**Risk Assessment Number** PRA-00045  
**Product Risk Assessment Form**

Supplier Name: Lincoln Electric Company  
 Part RA Revision Date: 8-Aug-13  
 Product Manager: Paul Smith  
 Supplier Part Number: KA1377  
 Part Description: SP-170T  
 SAP Part Number: KA1377  
 SAP Status Group:  
 Producer Schedule to Release (Yr/Mo):  
 Schedule Nbr or Date:  
 PDF Copies as Evidence:  
 Product Manager Authorization: [Signature]  
 Date: 23/9/13  
 Resourcing Manager Authorization: [Signature]  
 Date: 26/8/2013  
 and / or QA Manager Authorization:

Supplier Name	Lincoln Electric Company	Part RA Revision Date	Product Manager	Supplier Part Number	Part Description	SAP Status Group	Producer Schedule to Release (Yr/Mo)	Schedule Nbr or Date	PDF Copies as Evidence
Supplier Name ID	AUT0	8-Aug-13	Paul Smith	KA1377	SP-170T				
Supplier ID/Part License No. =									
ES/PPR License Expiry Date =									
Supplier Product Status License =									
<b>RA Maximum Risk Score =</b>	<b>90</b>								
<b>RA Risk Rating =</b>	<b>Medium Concern</b>								

Damage Effect	Product Hazard arising from use or failure	Consequence	Exposure Frequency	Control Measure Classification	Probability of Occurrence with Control Measure	Controls Measure 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
	Thermal Hazard from use	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
	Thermal Hazard from use	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
	Radiation Injury	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Chemical Injury	Nil	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Physical Injury from use	Serious	Very Rare	No Controls	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
Energy Aspects	Physical injury from failure	Minor	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature	Use correct PPE, print warnings	30.00	Negligible Risk
	Electrocution through welding	Moderate	Constant	Partially Controlled	Possible	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk
	Electrocution through power outlets	Nil	Very Rare	Fully Controlled	Unlikely	Worksafe Standard Practices	Control trigger	99.00	Medium Concern
	Electrocution from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	No power outlets fitted	0.00	Negligible Risk
	Fire/Hazards from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk
	Thermal	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk
	Electrical	Minor	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
	Gravitational	Nil	Very Rare	Mostly Controlled	Possible	Warning on Packaging and Literature	Print warnings	22.50	Low Concern
	Mechanical	Minor	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	7.50	Negligible Risk
Emission Aspects	Kinetic	Nil	Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
	Vibration	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
	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	13.00	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	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	20.00	Low Concern
	Gaseous Emissions	Serious	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature	Use correct PPE, print warnings	15.00	Negligible Risk
	Solid Waste	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
	Water Pollution	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
End User Application Aspects (Financial)	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	4.00	Negligible Risk
	Explosion Risk from use	Nil	Rare	No Controls	Unlikely	Worksafe Standard Practices	Take appropriate precautions	4.00	Negligible Risk
	Explosion Risk from failure	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
	Collapsing of Structure/equipment	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
End User Application Aspects (Personal)	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

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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Form: FQA-485(A) Product Risk Assessment Form  
 File Name: PRA 00045 - SP 170T.xlsx  
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