

Product Manager Authorization:  Date: 23/9/13

Engineering Manager Authorization:  Date: 26/8/2013

and / or Q3 Manager Authorization:

Risk Assessment Number: PRA00034

Product Name: Lincoln Electric Company

Part RA Revision Date: 31-Jul-13

Product Manager: Paul Smith

Supplier Part Number: K440

Part Description: LIN7 GMA Wire Feeder

SAP Part Number: K440

SAP Start Group: 10BLN7GMA0

Schedule No or Date:

PDF Copies as Evidence:

RA Maximum Risk Score = 45

RA Risk Rating = Low Concern

Supplier Name	Supplier SAP ID	Supplier Licence Expiry Date	Supplier Product/Stock Licence	Supplier Part Number	Part Description	SAP Part Number	Product Schedule to License (Year)	Schedule No or Date	PDF Copies as Evidence
Lincoln Electric Company	AUT0			K440	LIN7 GMA Wire Feeder	K440	10BLN7GMA0		

Damage Effect	Product Hazard arising from use or failure	Consequence	Exposure Frequency	Control Measure Classification	Probability of Occurrences with Control Measures	Controls Measures to ensure Risk Rating	Comments or Actions for Product Acceptance	Aspects Risk Rating Score	Aspects 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	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 failure	Minor	Rare	Mostly Controlled	Probable	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	Use correct PPE, print warnings	0.00	Negligible Risk
	Physical Injury from use	Serious	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature	Reader MSDSs, Use correct PPE	30.00	Low Concern
	Physical Injury from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
	Electrocution through welding	Minor	Constant	Partially Controlled	Probable	Worksafe Standard Practices	Use correct PPE, print warnings	11.00	Negligible Risk
	Electrocution through power outlets	Nil	Very Rare	Fully Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	45.00	Low Concern
	Electrocution from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	30.00	Low Concern
Fire/Hazards from use	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk	
Fire/Hazards from failure	Minor	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	10.00	Negligible Risk	
Energy Aspects	Electrical Pressure	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	22.50	Low Concern
	Gravitational	Nil	Very Rare	No Controls	Unlikely	Not Required	Print warnings	7.50	Negligible Risk
	Mechanical	Minor	Very Rare	No Controls	Unlikely	Not Required		0.00	Negligible Risk
	Knock	Nil	Very Rare	Partially Controlled	Probable	Worksafe Standard Practices	Use correct operating procedures	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
	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
End User Application Aspects (Financial)	Fire Risk from use	Minor	Rare	No Controls	Unlikely	Worksafe Standard Practices	Take appropriate precautions	4.00	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
	Collapse of Structure/equipment	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk
Redesign of Structure/equipment	Nil	Nil	N/A	Not Possible	Not Required		0.00	Negligible Risk	
Ligitation	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.

Customer Assistance Policy

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may seek Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of fitness for any particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products. Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of, the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying this type of fabrication methods and service requirements.

Form: RQA-085(A) Product Risk Assessment Form

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Reference: PRA 00033 - INT.xlsx