

**Risk Assessment Number** PRA00041  
**Product Risk Assessment Form**

Product Manager: *Paul Smith*  
 Authorization: 23/18/13  
 Date: 26/8/2013

Engineering Manager: *A. Winstanley*  
 Authorization: 26/8/2013  
 Date: 26/8/2013  
 and / or QA Manager Authorization

Supplier Name	Part EA Revision Date	Product Manager	Supplier Part Number	Part Description	SAP Status Group	Product Schedule to License (Y or N)	Substitute Nbr or Date	PDF Copies on Evidence
Lincoln Electric's Coagxy	8-Aug-13	Paul Smith	K1364-1	Pro-Cut 60				
Supplier SAP ID								
Supplier (ISO9001) License No.								
ISO9001 License Expiry Date								
Supplier Product, Side License								
<b>EA Machine Risk Score = 90</b>								
<b>EA Risk Rating = Negligible Concern</b>								

Damage Effect	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
<b>Human Aspects</b>	<b>Product Hazard arising from use or failure</b>							
Optical Hazard from use	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	36.00	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
Electromagnetic 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 - Chemical 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 MSDSA, Use correct PPE	0.00	Negligible Risk
Physical Injury from use	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	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 getting	Serious	Constant	Partially Controlled	Unlikely	Worksafe Standard Practices	Control trigger	90.00	Negligible Risk
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	Use correct PPE, print warnings	10.00	Negligible Risk
Facility from use	Moderate	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	20.00	Low Concern
Facility 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	22.50	Low Concern
Electrical	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Print warnings	22.50	Low Concern
Pressure	Minor	Rare	Mostly Controlled	Possible	Warning on Packaging and Literature	Use correct PPE, print warnings	4.50	Negligible Risk
Gravitational	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Mechanical	Nil	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Kinetic	Nil	Very 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
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
Electromagnetic Radiation (EMC)	Serious	Constant	Mostly Controlled	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	15.00	Negligible Risk
Noise Emissions	Nil	Very Rare	No Controls	Not Possible	Not Required	Passed EMC standard requirements	0.00	Negligible Risk
Chemical Emissions	Moderate	Constant	No Controls	Unlikely	Worksafe Standard Practices	Use correct PPE, print warnings	40.00	Low Concern
Gaseous Emissions	Nil	Very Rare	No Controls	Unlikely	Warning on Packaging and Literature	Use correct PPE, print warnings	15.00	Negligible Risk
Solid Waste	Serious	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature	Use correct PPE, print warnings	15.00	Negligible Risk
Water Pollution	Minor	Constant	Partially Controlled	Unlikely	Warning on Packaging and Literature	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	Very Rare	No Controls	Unlikely	Not Required	Use correct PPE, print warnings	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	Rare	No Controls	Unlikely	Worksafe Standard Practices	Take appropriate precautions	0.00	Negligible Risk
Explosion Risk from failure	Nil	Nil	N/A	Not Possible	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Collapse of Structure/Component	Nil	Nil	N/A	Not Possible	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Rework of Structure/Component	Nil	Nil	N/A	Not Possible	Not Required	Use correct PPE, print warnings	0.00	Negligible Risk
Liability	Serious	Constant	Mostly Controlled	Unlikely	Warning on Packaging and Literature	Use correct PPE, print warnings	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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