

RISK MATRIX

RISK GROUP	Hazard	Consequence	Processes / Causes	Probability	Severity	Classification	Preventive Measures
BLUE GROUP	Accident Risk	Inadequate Physical Arrangement	Poorly organized environment with material stacking that may pose accident risks or obstruct passage				
		Unprotected Machines and Equipment	Unprotected compressors that should be deactivated and lack documentation.				
		Unprotected Tools and Equipment	Modified equipment with removed safety locks.				
		Inadequate and Defective Tools	Equipment with altered components or not in safe operating condition				
		Electricity	Installations must comply with NR10 standards.				
		Probability of Fire and Explosion	Flammable equipment and installations..				
		Work at Height	When required, work at height must comply with NR18 and NR35 standards				
		Inadequate Storage	Poorly stored materials and equipment.				
YELLOW GROUP	Ergonomic Risk	Intense Physical Effort	Lifting of heavy parts				
		Manual Lifting and Transport of Loads	During unloading of materials from the truck or transporting large or heavy parts to the assembly area.				

		Requirement of Inadequate Posture	Working in positions that make it difficult to perform the task safely				
		Strict Productivity Control	Excessive demands regarding schedule and delivery quality causing psychological stress on the worker				
		Night Shift Work	Overtime in case of delay in the assembly schedule				
GREEN GROUP	Physical Risk	Noise	Coming from equipment and assembly processes				
		Non-Ionizing Radiation	Resulting from welding use				
RED GROUP	Chemical Risk	Dust	Respiratory particles from sanding and cutting parts (respiratory injuries)				
		Gases or Vapors	Respiratory agents from chemical substances (respiratory injuries).				
		Chemical Products in Genera	Chemical products that can cause physical injuries such as burns and wounds				

Company Name and Booth Number	
Assembly Supervisor Name	
Assembly Supervisor CPF	
Responsible Safety Engineer or Technician Signature	
ART Number	

SEVERITY TABLE	
Severity of Injury or Disease	Description
1- Minor	Superficial injuries and/or diseases with temporary discomfort, reversible to the worker's health and physical integrity. No lost time – First Aid.
2 - Moderate	Moderate injuries and diseases due to continuous exposure to external agents and repetitive work, reversible to the worker's health and integrity. Lost time injury causing temporary total or partial incapacity.
3 - Severe	Serious and critical injuries or acute diseases characterized by disability and/or total or partial permanent incapacity, irreversible to the worker's health and integrity. Fatal injuries.

CLASSIFICATION TABLE	
RISK LEVEL	Classification
1	Trivial / Acceptable Risk
2	Low Risk
3-4	Moderate Risk
6	Substantial Risk
9	Intolerable / Unacceptable Risk

RISK MATRIX – CLASSIFICATION			
Probability of Occurrence	Severity of Injury or Disease		
	1- Minor	2 - Moderate	3 - Severe
1- Unlikely	Acceptable / Tolerable	Low	Moderate
2 - Slightly Likely	Low	Moderate	Substantial
3 - Very Likely	Moderate	Substantial	NO Acceptable / Tolerable

PROBABILITY TABLE	
Probability of Occurrence	Description
1- Unlikely	There are no records or reports of occurrence or tendency of occurrence
2 - Slightly Likely	The planned way of performing the activity minimizes hazards and is systematically practiced; there are reports of occurrence at least once in the last year.
3 - Very Likely	The planned way of performing the activity does not minimize hazards or is not systematically practiced; there are reports of occurrence more than once in the last year