Area or Process to be assessed: DMT Engineering Activities	**Date of Assessment:** 10 November 2010	**Review Date:** 10 November 2011
Assessors: Richard Burgess (EHS Risk Manager); Sylvain Combet (EHS Risk Manager);		

Hazard Description	Who would be harmed	Likelihood	Severity	Risk Number	Level of Risk	Current Controls	Further Controls Required	Likelihood	Severity	Risk Number	Level of Risk	Date action required by	Date action completed
Chemicals • Handling • Storage • Disposal	• PB DMT Engineers • Client	2	1	2	L	• Chemical Risk Assessment controls to be followed • MSDS & Risk Assessment available to all DMT engineers • All chemicals to be stored in the original containers and appropriate cabinets • Disposal of waste chemicals as identified in the Chemical Risk Assessment • PPE as required such as gloves, safety glasses etc	None	2	1	2	L		
Driving • Vehicle Incident	• PB DMT Engineer • Pedestrians • Other drivers	4	4	16	H	• Driver Training and Assessment • License Checks • Vehicle maintenance program • Car Scheme Driver's Handbook • Accident reporting and investigation	None	1	4	4	L		

Hazard Description	Who would be harmed	Likelihood	Severity	Risk Number	Level of Risk	Current Controls	Further Controls Required	Likelihood	Severity	Risk Number	Level of Risk	Date action required by	Date action completed
Electricity • PB Equipment • Portable Electrical Equipment	• PB DMT Engineers • Customer	2	3	6	M	• Customer Permit to Work System (if available) • Portable Appliance Testing • Appropriate signage to prevent machine operation • Lock out Tag out procedures • Use service mode (if available) on the machine during work to prevent operation.	None	2	3	6	M		
Fire	• PB DMT Engineers	1	4	4	L	• Remain in presence of client host at all times or operate in accordance with alternative site procedures • Site Induction for all permanent onsite engineers • Permit to Work procedures (Client or PB)	None	1	4	4	L		
Hot Work • Fire • Chemical	• PB DMT Engineers • Customer operatives	2	3	6	M	• Ventilation • Permit to Work System • Appropriate PPE e.g. gloves, safety glasses	None	2	3	6	M		

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Laser Scanner	• PB DMT Engineers • Client	2	4	8	M	• Laser scanner to be set-up in accordance with: TSB_APFS_SAFE_011110 • All manufacturer safety instructions to be followed	None	1	3	3	L		
Lone Worker (When an engineer is working for greater than 30 minutes with more than 18 meters isolation of the client representative)	PB Engineer	1	3	3	L	• In the event of a lone worker situation arising consultation between PB and customer will be required to introduce adequate and sufficient controls, such as: o Induction regarding emergency evacuation procedures o Welfare facilities o Means of contact with client representatives.	None	1	3	3	L		
Machinery &Tools • Pillar Drills • Grinders • Knives, etc	• PB DMT Engineers • Customer	2	4	8	M	• Work Instructions • Preventative Maintenance and servicing • Adequate work space • Engineering controls e.g. machine guarding • Meets requirements for CE classification	None	1	4	4	L		

Hazard Description	Who would be harmed	Likelihood	Severity	Risk Number	Level of Risk	Current Controls	Further Controls Required	Likelihood	Severity	Risk Number	Level of Risk	Date action required by	Date action completed
Manual Handling	PB DMT Engineers	4	4	16	H	• Manual Handling Training • Use of appropriate mechanical lifting equipment when trained • Implement controls resulting from any manual handling risk assessment • Third party contractor used for delivery, equipment moves and removal.	None	2	4	8	M		
Noise	• DMT Engineers • Customer operatives	2	3	6	M	• Engineering controls to contain noise • PPE as appropriate e.g. ear muffs, ear plugs • Noise Assessments (by customer or PB) • Periodic Audio Examinations to determine any loss	None	2	3	6	M		
Other Energy Sources • Electrical Systems • Compressed Air	• PB DMT Engineers • Customer operatives	2	3	6	M	• Customer Permit to Work System (if available) • Portable Appliance Testing • Appropriate signage to prevent machine operation • Lock out Tag out procedures • Use service mode (if available) on the machine during work to prevent operation.	None	2	3	6	M		

Hazard Description	Who would be harmed	Likelihood	Severity	Risk Number	Level of Risk	Current Controls	Further Controls Required	Likelihood	Severity	Risk Number	Level of Risk	Date action required by	Date action completed
PB Machines/ Products - Moving parts	• PB engineers, • customer operatives	2	4	8	M	• Competent to work on PB products; service division hold full training records. • DMT Engineers competent to train customers on the safe operation of PB products. • Equipment meets requirements for CE classification. • PB engineer to ensure all safety features are fitted and operating after carrying out routine maintenance and servicing. • Routine preventative maintenance schedule established by PB with customer consultation following manufactures recommendations • PPE as required e.g. Safety boots, gloves, safety glasses • Use service mode (if available) on the machine during work to prevent operation.	None	2	2	4	L		

Hazard Description	Who would be harmed	Likelihood	Severity	Risk Number	Level of Risk	Current Controls	Further Controls Required	Likelihood	Severity	Risk Number	Level of Risk	Date action required by	Date action completed
Violence • Verbal Abuse • Physical Abuse	• PB DMT Engineer	1	2	2	L	• Customer Service Training • Mobile phone use for contact with supervisor • Employee Assistance Program counseling service	None	1	2	2	L		
Waste Materials • Consumables • Part replacement • Electronic Waste	• PB Engineers • Client • Waste Removal Company	1	1	1	L	• All electronic waste must be recovered and returned to the PB waste collection point • All consumable waste should be disposed of on client premises	None	1	1	1	L		
Work Space Environment	PB Engineers, costumers operatives	1	4	4	L	• Engineer to ensure adequate space for the work required is available. Any issues should be discussed with client.	None	1	4	4	L		
Workstation Ergonomics	PB DMT Engineers with a workstation	2	2	4	L	• Workstation ergonomics training for employees where required	None	2	2	4	L		

SEVERITY

		Description	Minor Injury	Injury Requiring First Aid	Injury or Industrial Disease requiring Medical Treatment	Serious Injury or Long Term Medical Effects (Industrial Disease)	Major Injury or Fatality
		Effect	Cuts & Abrasions, minor Skin or Eye Irritations, etc.	Any Injury that requires First Aid	Deep Wounds, Fractures, Scalds, Burns, Eye Injuries, Respiratory Infections, Temporary Blindness or Hearing Loss, etc.	Loss of Digits Damage to Eyes, Serious Medical Affects	Loss of Limbs, Sight, Hearing, Long Term Illness or Death
		Outcome	No Lost Time (Sick Leave not required)	1-3 Days Absence	More than 3 Days absence – Reportable under RIDDOR	Weeks – Months off Work (Hospitalisation). RIDDOR Reportable	Permanent Disability or Long Term Sick RIDDOR Reportable
LIKELIHOOD	**Percentage probability**	**Likelihood**	**No.**	1	2	3	4	5
	0 – 20	Highly Unlikely	1					
	21 – 40	Reasonably Likely	2					
	41 - 60	Likely	3					
	61 - 80	Highly Likely	4					
	81 - 100	Almost Certain	5					