

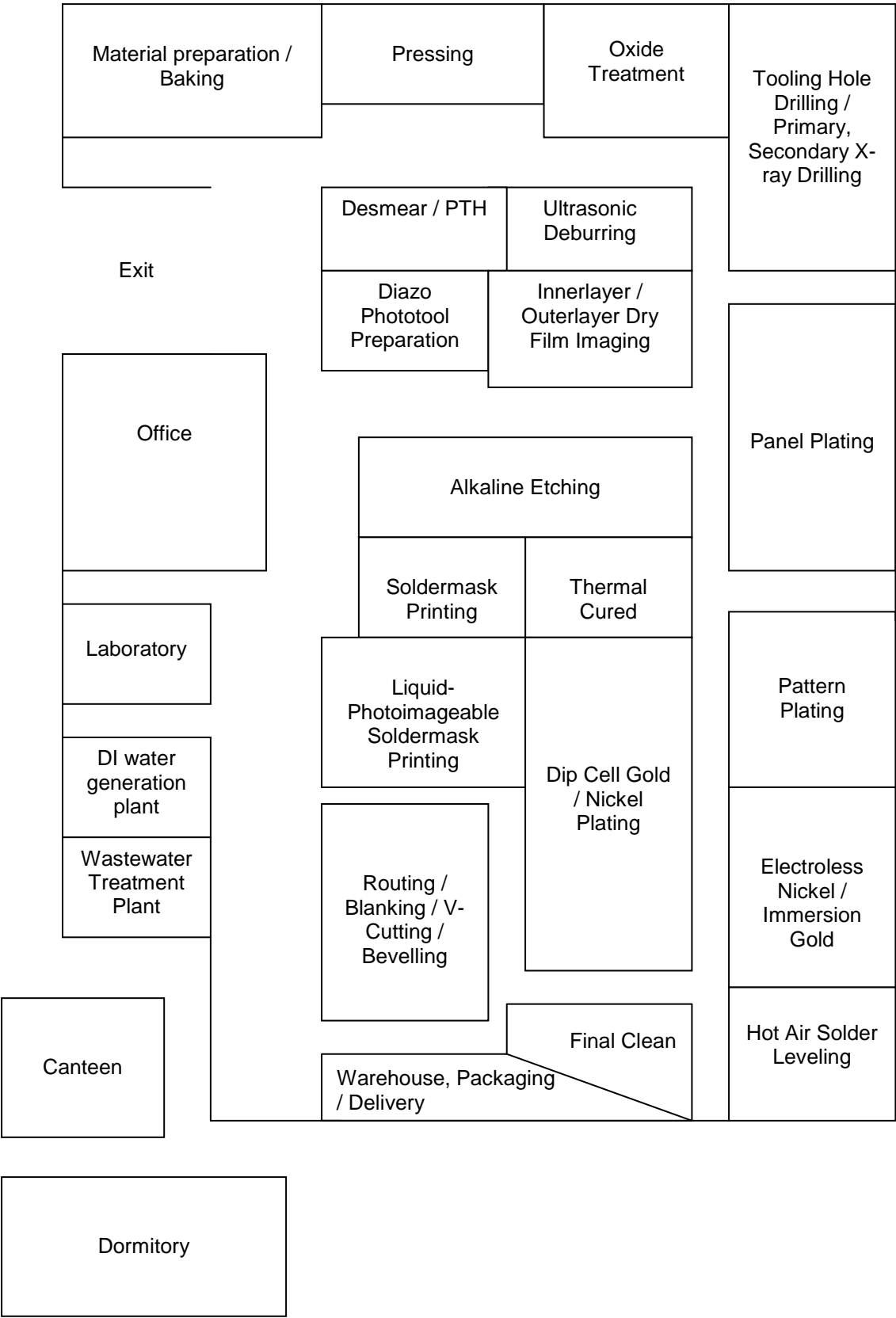
Company Information of Shenzhen Environmental Printed Circuit Board Company (SZEPCB)

Company Name	Shenzhen Environmental Printed Circuit Board Company (SZEPCB)	
Business Nature	Double and multilayer printed circuit boards	
Products	Manufacture of PCB for mobile phones	
Major Markets / Clients	Forward Mobile Group (Asia, Europe, America)	
Manufacturing Processes	General → Material Preparation/ Baking → Pressing → Oxide Treatment → Tooling Hole Drilling/ Primary, Secondary X-Ray Drilling → Ultrasonic Deburring → Desmear/ PTH → Diazo Phototool Preparation → Innerlayer / Outerlayer Dry Film Imaging → Panel Plating → Pattern Plating → Alkaline Etching → Thermal Cured Soldermask Printing → Liquid-Photoimageable Soldermask Printing → Dip Cell Gold/ Nickel Plating → Electroless Nickel/ Immersion Gold → Hot Air Solder Leveling (HASL) → Routing/ Blanking/ V-cutting/ Bevelling → Final Clean → Packaging/ Delivery	
Address Office and Plant Locations	Unit 12, 8/F Block F Yung Fat Building 186-212 Wu Yi Hop Road Kwai Chung NT	G/F, 40 Harbour Road, Shekou Industrial Zone, Shenzhen, Guangdong, PRC 中國深圳經濟特區 蛇口工業區港灣大道
Factory Areas	115,000m ²	
No. of employees	HK Office : 8 Shenzhen Factory : 85	
Main facilities / equipment	PCB plating and etching line Board cutting machine Drilling machine Dry room for film developing Warehouse Laboratory Boiler Water cooling system D.I. water generating system Wastewater treatment plant Air extraction and pollution control system Oven Dormitory Emergency generator	
Surrounding Environment	Lower floors in a multi-storey industrial building located at Shekou Industrial Zone in Shenzhen PRC. Neighbour factories are shoe manufacturing factory and a plastic factory. (see site layout attached)	
Potential Environmental Impacts from the	<ul style="list-style-type: none"> Wastewater discharge from etching, electroplating, cleaning, film developing and rinsing processes. Wastewater is discharged to the treatment facility in Shekou Industrial Zone. Solid wastes include general refuse, papers, packaging bags, heavy metal and precious metal wastes, spent laminate 	

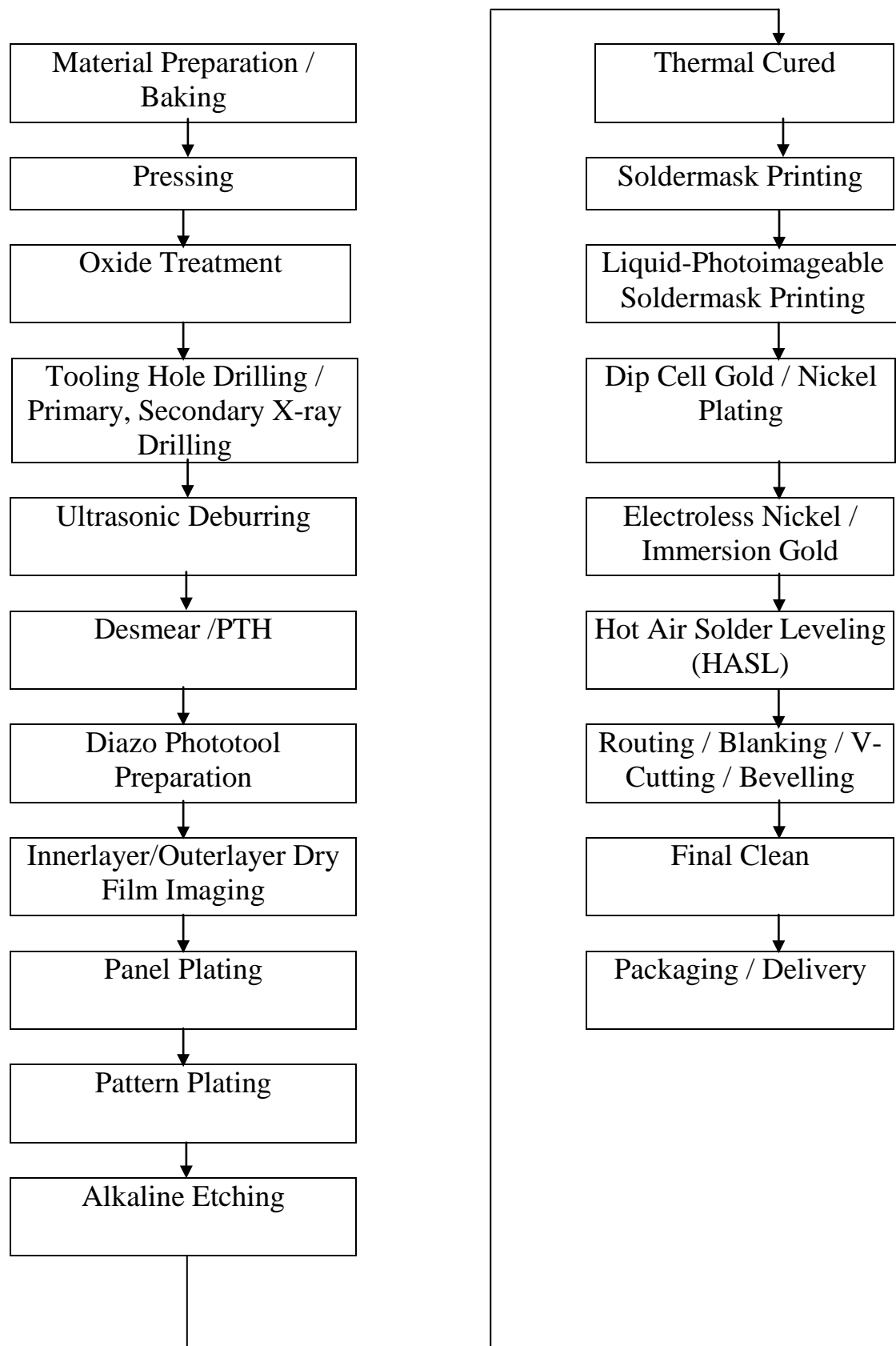
Operations	<p>sheets and rejected products, etc.</p> <ul style="list-style-type: none"> • Chemical wastes from spent plating baths, dry film residues, sludge, spent lubricant oil and chemical containers. • Acid / alkaline / metal mists from chemical processing baths, VOC emission from use of solder mask, solvent and chemicals, etc. • Noise from mixers, water pumps, and air compressors, etc. • Significant use of electricity, water and chemical for production processes.
Special customer's environmental requirements	<p>Forward Mobile Group:</p> <ul style="list-style-type: none"> – comply with environmental regulations – properly documented ISO 14001 EMS and/or a plan for its implementation – suppliers have to provide raw material contents and end of life treatment recommendations relevant to client's specifications upon request.
Relevant Legislation Related to Client's Environmental Requirements	<p>For Europe</p> <ul style="list-style-type: none"> • The Restriction of Hazardous Substances in Electrical and Electronic Equipment (ROHS) Directive (2002/95/EC) • Nickel Free Directive (Directive 94/27/EC)

Disclaimer : The information provided in this practical example is purely hypothetical and intended to illustrate the development and implementation of ISO 14001 EMS. Users will need to ensure that the information they insert is appropriate for their own situation.

Factory Layout Plan



Process flow



Location of Shenzhen Environmental Printed Circuit Board Company (SZEPCB)



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G/F, 40 Harbour Road,
Shekou Industrial Zone,
Shenzhen