



Colonial Circuits

Summarized Equipment List Jun-09

Department	Item/Process	Model/Type	Manufacturer
Engineering	CAM system	Genesis 2000, v9.x	Frontline PCB
	Laser photoplotter	Silverwriter 8850p	ManiaBarco
Image Transfer	Exposure Unit	AccuTray at30	Olec Corporation
	Exposure Unit	Imagemaster 5000	Carter International
	Clean room	class 1000	Technovation Systems, Inc.
	Post etch punch	xpe-9503	CA Picard
	Develop, etch, strip line		Hollmuller Maschinenbau, GmbH
	Cut sheet laminator	csl1500b	Morton International
AOI	Automated Optical Inspector	Discovery DSV-6	Orbotech, Inc.
	Film punch	xpf-3020a	CA Picard
Machining	CNC drill, multiple spindle	Ex-200	Excellon Automation
	CNC drill, single spindle	Multistation	Pluritec USA
	CNC drill, single spindle	Multistation	Pluritec USA
	CNC drill/router, single spindle	Multistation	Pluritec USA
	CNC drill, single spindle	Multistation	Pluritec USA
	CNC drill, single spindle	ND1S211E	Hitachi Via Mechanics USA
	CNC drill, single spindle	Concept 129 Intellidrill	Excellon Automation
	CNC drill/xray, single spindle	Inspecta	Pluritec USA
	CNC drill single spindle	Minima	Pluritec USA
	Plasma etch unit	Mark II	Plasma Etch, Inc.
	CNC router, multiple spindle	p/c 350	Paul Dosier Associates, Inc.
	CNC scorer	as-475	Accusystems, Inc.
	Laser drill	Microline 600	LPKF Laser & Electronics
Laboratory	AA spectrophotometer	2380	Perkin-Elmer
	Xray fluorescence thickness measurer	xrx	Coating Measurements, Inc.
	Inverted microscope	Axiovert 25hd100	Zeiss
	CVS unit	Qualilab QL5E	ECI Technology



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Lamination	Layer bonding preparation	Cirbond® process	Hollmuller Maschinenbau, GmbH
	Multilayer press	28x28, 4 platen	Technical Machine Products
	Multilayer press	20x26, vacuum assisted	Technical Machine Products
	Multilayer press	26x32, vacuum assisted	Technical Machine Products
Wet process	Direct plate line	Black Hole® process	MacDermid Equipment, Inc.
	Gold tab plate line	ffp	Technic, Inc.
	Copper plating	Reverse pulse	Kraft CPS Ltd
	Electroless nickel / immersion gold plating	UIC process	Uyemura International
	Hot air leveling	QuickSilver 10	CemCo
	Solid solder depositing	Siplan 300	Sipad Systems, Inc.
Waste Treatment	Ionic exchange filtering	Custom	Trionetics, Inc.
	Reverse osmosis water recycling	eh-72k	ProChem, Inc.
Mask / Marking	LPI solder mask exposure unit	ap30	Olec Corporation
	LPI solder mask spray coater w/tack dry	pc9324	Argus International
	LPI rapid final cure oven	9224	Argus International
	Ink jet legend applicator	LGP-509	Printar
Electrical Test	Universal grid tester	series 300, twin grid	Fastek
	Flying probe tester	series six-d	Probot, Inc.
	Flying probe tester	Probot 880	ManiaBarco
	Flying probe tester	Probot 880	ManiaBarco
	Flying probe tester	Ultim8	ManiaBarco
	Controlled impedance (TDR) tester	cits-500	Polar Instruments
	Netlist extraction software	CAMMaster	PentaLogix
	Netlist recognition software	Probe Master	PentaLogix
	Fixture generation software	FixMaster	PentaLogix