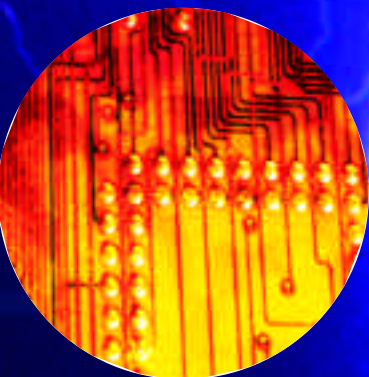


AE Products

Rapid
Remote Plasma
Source



	Product Category	Product Platform	Description	Industry Applications	
POWER MANAGEMENT	DIRECT CURRENT	Pinnacle™ Series	Power conversion & control systems	Semiconductor, data storage, flat panels, thin-film industrial coatings	
		MDX™ Series			
		Pinnacle™ Plus+ Series			
		DC pulsing products	DC pulsing accessories		Semiconductor
		E-Chuck™ System	Electrostatic chuck power systems		
		E-Wave™ Supply	Bipolar pulsed dc		Semiconductor, copper electroplating
	HIGH POWER	Astral™ Series	Pulsed power systems	Thin-film industrial coatings	
		Crystal™ Series			
	LOW & MID-FREQUENCY	PE Series	Low-frequency power control and conversion systems	Thin-film industrial coatings	
		LF Series			
PDX Series		Mid-frequency power control and conversion			
NEW POWER SUPPLY ARCHITECTURE	NPSA	Low cost, low voltage/high current converters	Telecommunications and computer hardware		
PLASMA SOURCES	LIS Series	Linear ion sources	Thin-film coatings, diamond-like carbon (DLC) films, ion beam etching, optical coating, pre-cleaning		
	MCIS Series	Multi-cell ion sources			
	SCIS Series	Single-cell ion sources			
	ICP Series	Inductively coupled sources	Plasma abatement		



Circuit Boards



Architectural Glass Coatings



Thin-film Coatings
for Fabric Surfaces

AE Customers

APPLIED MATERIALS AMD
AXCELIS FORD FUJITSU GM
HEWLETT-PACKARD HYUNDAI IBM

Mach One
Mass Flow
Controller



Model
OR2000 OFT



Model 3500
Thermoelectric
Temperature Control

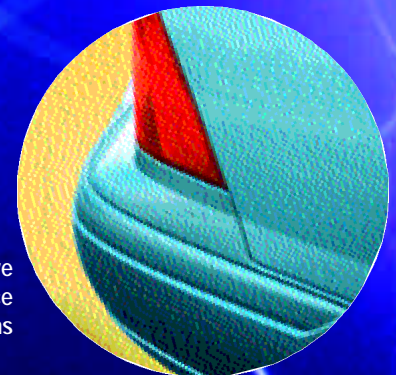


	Product Category	Product Platform	Description	Industry Application
POWER MANAGEMENT	RADIO FREQUENCY (RF)	Apex® Series with optional VFP™ software Aspect Atlas™ Series Atlas™ VHF Series HFV Series RFG/RFX-II Series RF Series RFSuite™	Power conversion & control systems	Semiconductor, flat panels, thin-film industrial coatings; etch and deposition
	MATCHING NETWORKS	AZX Series Mercury™ matching network Mercury-z™ matching network Navigator™ matching network with optional VFP™ software	Variable and fixed impedance matching networks	Used with RF products in semiconductor, flat panels, and thin-film industrial coatings
TEMPERATURE SENSING & CONTROL	TEMPERATURE SENSING AND FEEDBACK	Model OR2000 OFT Model 2100 Emissometer Model 2100ERT Emissometer Model 2110 Emissometer	Non-contact temperature sensing systems and devices	Semiconductor applications requiring non-contact temperature and emissivity temperature measurements
	FILM THICKNESS PREDICTION	Model 4000DRT Deposition Rate Tuner	Film thickness uniformity sensor	Semiconductor
	THERMOELECTRIC TEMPERATURE CONTROL	Model 3300 Model 3500	Point-of-use thermoelectric heating and cooling	Semiconductor



Flat Panel and
Liquid Crystal Displays

AE's market share in flat panel display applications grew from 45% to 63% during 2000.

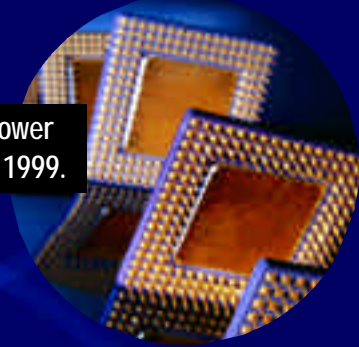


Automotive
Surface
Preparations

INFINEON (SIEMENS) INTEL INEVAC ITT INDUSTRIES
LAM RESEARCH LSI LOGIC MATERIALS RESEARCH (DIV. OF TEL)
MATTSON TECHNOLOGY MICRON TECHNOLOGIES MOTOROLA NEC NOVELLUS

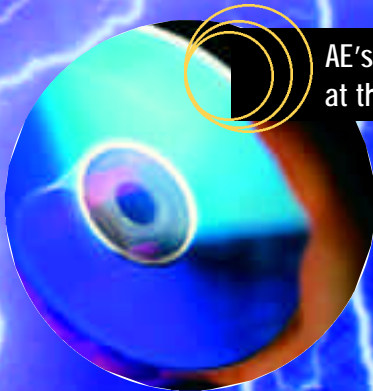


AE's share of the semiconductor market for power conversion grew to 53% in 2000 from 46% in 1999.



Semiconductor Manufacturing

	Product Category	Product Platform	Description	Industry Application
GAS DELIVERY MANAGEMENT	FLOW CONTROL AND MEASUREMENT	Mach One™ Mass Flow Controller	Sonic flow measurement and control device	Semiconductor, flat panels, thin-film industrial coatings
		Hydro-Flow 2300™ Flowmeter	Flow measurement device	
		Sono-Trak™ Flowmeter	Noninvasive ultrasonic flow measurement device	
INTEGRATED PRODUCTIVITY MANAGEMENT	BERKELEY PROCESS CONTROL	BXi	Integrated motion and machine controller	Semiconductor
	SYMPHONY SYSTEMS	EPM suite	Equipment connectivity and remote monitor and control	Semiconductor
		eSES™ software		
	RF INSTRUMENTATION	GenCal™	Metering and control for generators with 50 outputs	Semiconductor, flat panels, and thin-film applications
		Z-Scan® PES	Endpoint and wafer metrics	
Z-Scan® EES		Real-time RF power measurement and analysis		



AE's gains in HDP CVD markets grew from 5% at the beginning of 2000 to 28% at year end.

Surface Coatings for CD and DVD Manufacture

Coatings for Optics



Flow Control and Measurement of Liquids, Gases and Steam