

Mattson Aspen II Maintenance Training Course Level I and II			
Agenda			
Day 1	Main Components	Power Distribution	<p>Troubleshooting all day hands on machine. Customized customer requests.</p>
		EMO System	
		Interlocks	
		Pneumatics	
		Control Enclosure	
		Heartbeat	
		RF components	
		Gas components	
	QNX & Aspen software	QNX Software	
		Aspen II	
		Configurations	
		Recipes	
		Error pages	
		Operator interface	
Day 2	Shuttle	Inner and outer	
		Shuttle robot	
		Rotation and lift	
		Extra options	
		Cassette nests	
		Pin search	
	Loadlock	Main robot	
		Pin search	
		Movements	
		Alignment	
		Slit doors	
		Vacuum	
		Adjustable paddles	
		Robot Arm	
Day 3	ICP chamber	RF generators	
		Matching network	
		Farady cage	
		Heater control	
		EPD	
		Isolation valve	
		Throttle valve	
		Gas box	
		MFC	
Day 4	Basic Maintenance	Control and alignment	<p>Instructor guided alignments of most important systems</p>
		Loading wafer runs	
		Preventive maintenance	
		Operator control	
Day 5	1/2 day Basic / advanced troubleshooting		