

		Questions and Answers		
<b>Vendor</b>	Kostek Systems. Inc.			
<b>Model</b>	Plasma Processing System Rydeen-8200 * Including 2 Process Modules * For 150mm ,200mm & 300mm Wafer			
<b>Production type</b>	PR, PI, PBO, BCB...			
<b>Cassette used</b>	150mm, 200mm Open Cassette. 300mm Foup			
<b>Product loading capacity</b>	Max 110 wafers / hour			
<b>Change size need to open chamber</b>	Need to open			
<b>Change size need to robot teaching</b>	Just need to teach the robot at the equipment installation.			
<b>Transfer system</b>	<b>Robot arm type</b>	ATM( with vaccum grip), Vacuum(Ceramic)		
	<b>prealign centering</b>	N/A.	Mechanism design do not need prealign system for low COO.	
	<b>cooling station</b>	N/A		
	<b>wafer handle thickness</b>	0.5-1um		
	<b>wafer warp</b>	under 2mm		
<b>Process module</b>	<b>Chamber</b>	2 chambers, separate process for each chamber 60L for 27.12Mhz ICP / 38L for 13.56Mhz ICP		
	<b>plasma type</b>	Balanced ICP		
	<b>APC</b>	Pascal (10Pa-200Pa)		
	<b>Stage Temp</b>	20°C		Temperature control range : 0-40 deg C
	<b>RF power</b>	<b>Top</b>	27Mhz(5KW) or 13.56Mhz(2KW)	
		<b>Bottom</b>	2Mhz(0.5KW-1KW)	
	<b>Process gas</b>	Basic configuration : O2/N2/CF4/Ar		Our base is 4 process gas stick and 1 N2 purge gas stick.
	<b>O2 /N2 /CF4/Ar</b>			
<b>Recipe capacity</b>	About 100 lot recipes		It's possible to increase more than 100 recipes	
<b>Wafer breakage rate</b>	Per 100,000 wafers			
<b>Particle</b>	Under 20ea over 0.2um			
<b>Ashing Uniformity</b>	for PR : under 5%		WtW : under 3%, WIW : under 5%	
	for PI : under 7%		WtW : under 3%, WIW : under 7%	
<b>Hsinchu,</b>	<b>Taiwan Engineers</b>	2 EE + 2 PE		
	<b>Process</b>	(2 people for PE)		
	<b>Hardware</b>	(2 people for EE+S/W)		
	<b>Software</b>	(2 people for EE+S/W)		
	<b>Parts support</b>	The spare parts in SCIENTECH.		
	<b>Service base</b>	No. 182, Bade Rd., Hsinchu, 30069, Taiwan, R.O.C		
<b>Footprint</b>	3.06 m2 (W x D x H = 1230 x 2490 x 2020 (mm))			
<b>Leadtime</b>	<b>Mainbody</b>	3 months		
	<b>Dry pump</b>	2.5 months		
	<b>Chiller</b>	1.5 months		
<b>Warranty</b>	One year after completion of performance verification			
<b>Equipment Price (NTD) Quotation</b>				
<b>Ebara 200A Dry pump*2</b>	For two pump : US\$ ■■■■■■ Kostek's equipment just needs 1 pump for two PMs and 1 pump for TMLL			
<b>Chiller*2</b>	For 1 : US\$ ■■■■■■ (Maker : unisem) Kostek equipment just needs 1 chiller for two PMs		Temperature control range : 0-40 deg C	