



HJT制绒清洗机-GW级

HJT Texturing Cleaning Equipment-GW Level

特点描述

- 分布式盘管结合V型匀流板组成快速平稳的布液系统;
- 稳定且优异的药液均匀性与温度场;
- 小流量鼓泡技术, 均匀鼓泡保证良好的清洗效果;
- 派单式手臂调度系统, 实现生产工艺柔性化;
- 内循环+主动排湿的烘干槽, 高效烘干硅片的同时也可节能减排;
- 烘干区采用化学过滤主动新风系统, 保证O3气体浓度<10ppb。

Features

- Distributed coil & V type runner plate forms a high-efficiency liquid distribution system;
- Stable and excellent liquid uniformity and temperature field;
- Small flow bubbling technology, uniform bubbling to ensure an effective cleaning outcome;
- Arm dispatch system, Achieve flexible production;
- Internal circulation and active dehumidification drying chamber, efficient drying of Si wafers while saving energy and reducing emissions;
- Drying equipped with chemical filter, ensure O3 gas concentration < 10ppb.

技术性能

设备产能>32000片/小时(每篮232片半片)(1.2GW@210半片、1GW@182半片);
碎片率<0.3‰;
反射率<11%,单片绒面均匀性<1%,片间绒面均匀性<1%;
制绒主体良品率≥99.8%(排除原料片问题);
绒面需保证75%以上在目标金字塔尺寸范围内,如0.8-3um、2-5um、5-8um;
设备Uptime: ≥92%;
设备臭氧水浓度>50ppm。

Performance

Capacity >32000Pcs/h(232pcs half cell per basket)(1.2GW@210 B、1GW@182B);
Breakage rate< 0.3‰;
Reflectivity< 11%, texture uniformity<1%,
Texture uniformity between cell<1%;
Yield rate ≥99.8%(except the problem of raw materials);
> 75% of the texture is within the target pyramid, as 0.8-3um、2-5um、5-8um;
Uptime: ≥ 92%;
Ozone concentration >50ppm.

技术参数 Parameter

项目 Item	数值 Value
清洗流程 Cleaning process	O3-Clean→SDE→PreCln→TEX→Post1→CP (→Post2) →DHF→DRY