

## NR9-1000PY Lift Off Characterization

G West  
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### Procedure (3 wafers):

Prebake 115°C	1'	1'	1'
Spin 3000 rpm	30"	30"	30"
Soft Bake 150°C	1'	1'	1'
Expose Hard Contact	25"	30"	35"
Post Exposure Bake 100°C	1'	1'	1'
RD6 Develop	30"	12"	5"
O2 Clean Ash	30"	30"	30"
CHA Aluminum Deposit	500 Å	500 Å	500 Å

**Note:** Aluminum was lifted off with acetone and came off very easily. All features match the dimensions of that on the mask. The smallest features were  $\approx 1.5 \mu\text{m}$ .

### Measurements:

		25s Exp	30s Exp	35s Exp
<b>PR Thickness (Nanospec)</b>	Middle	9468	8988	9160
	Left	9486	9122	9199
	Right	9458	9115	9238
	Top	9532	9038	9180
	Flat	9437	9116	9192
	<b>Average</b>	<b>9476</b>	<b>9076</b>	<b>9194</b>

<b>PR Thickness (Tencor)</b>	Middle	9230	8920	8950
	Left	9250	8790	8965
	Right	9200	8910	8950
	Top	9220	8770	9000
	Flat	9190	8820	8930
	<b>Average</b>	<b>9218</b>	<b>8842</b>	<b>8959</b>

<b>Al Thickness (Tencor)</b>	Middle	540	540	550
	Left	530	520	530
	Right	540	540	520
	Top	550	520	510
	Flat	540	570	540
	<b>Average</b>	<b>540</b>	<b>538</b>	<b>530</b>

Width of Comb teeth  $\approx 1.5 \mu\text{m}$

Width of spaces between teeth  $\approx 1 \mu\text{m}$

