

# Polishing Slurry

## Machplaner™

Machplaner™ MS2000 Series are for sapphire polishing, MS3000 Series are for  $\text{LiTaO}_3/\text{LiNbO}_3$  polishing, ST2000 is for glass polishing. These slurries achieve high removal rate and good surface quality with optimization of particle design.

### Machplaner™ Series

#### Physical Property

	MS2020	MS2105	MS3000 ※1	ST2010	MS4100
Particle Type	Colloidal Silica				Alumina
Silica wt%	38.0	52.0	52.0	22.5	
pH	9.0-9.5	8.5-10.0	8.5-10.0	10.5-11.5	13.5
Particle Size(nm)	60-120	80-130	80-130	110-170	180-220
Specific Gravity	1.10-1.40	1.38-1.42	1.38-1.42	1.08-1.20	1.00-1.10
Dilution Ratio	2 times	3 times	2.5 times	Ready to use	Ready to use
Application	Sapphire c-plane	Sapphire c & a-plane	$\text{LiTaO}_3$ $\text{LiNbO}_3$	Glass	Resin
Advantages	Reduce a friction, Lower pad temperature	High RR Low cost	2 parts type (pH3.0-5.0) High RR	Surface roughness reduction	High RR High selectivity to other materials

※1 : This product is 2 components. The above data is shown as a physical property of A part.

- Machplaner™ slurry achieves high removal rate and good surface quality with optimization of particle and additive design.
- Other applications such as Sapphire, Glass, Crystal, Oxide Materials and Resin are also covered by each polishing target.
- Free sample is available for first evaluation.



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※ The values such as a physical property indicated, show the standard value. The product specifications are not guaranteed.