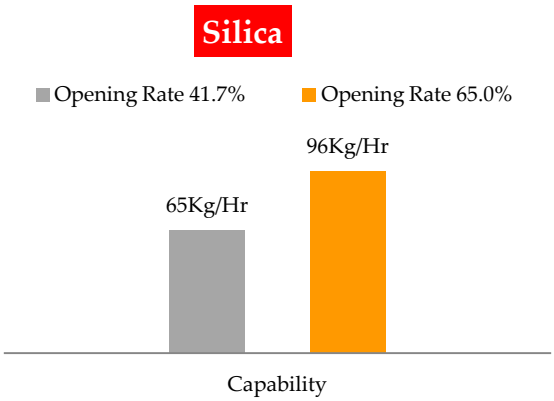
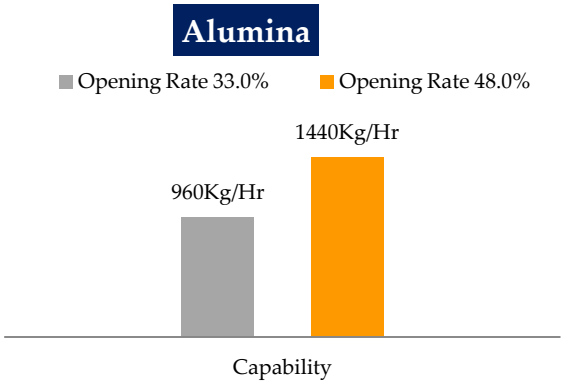
Technical Report ②

◆ASADA High Opening Rate Stainless Steel Mesh improves material throughput per unit time.

We have successfully developed high opening rate stainless steel mesh with high tensile ultra fine wires. It made it possible to increase the material throughput 1.5 times in amount even with the same opening size. The evaluation test proved that the difference of mesh opening rate is proportional to the sieve processing capacity per unit time.

Sample		Conventional Mesh	AD screen super mesh	Ratio
Silica	Opening rate	41.7%	65.0%	1.55 times
	Machine model	KGOR-800-1DB [High Powered (Reverse type)]	KGOR-800-1DB [High Powered (Reverse type)]	—
	Capability(kg/Hr)	65Kg/Hr	96Kg/Hr	1.48 times
Alumina	Opening rate	33.0%	48.0%	1.45 times
	Machine model	KFSR-800-1D [Ultra sonic (Reverse type)]	KFSR-800-1D [Ultra sonic (Reverse type)]	—
	Capability(kg/Hr)	960Kg/Hr	1440	1.50 times

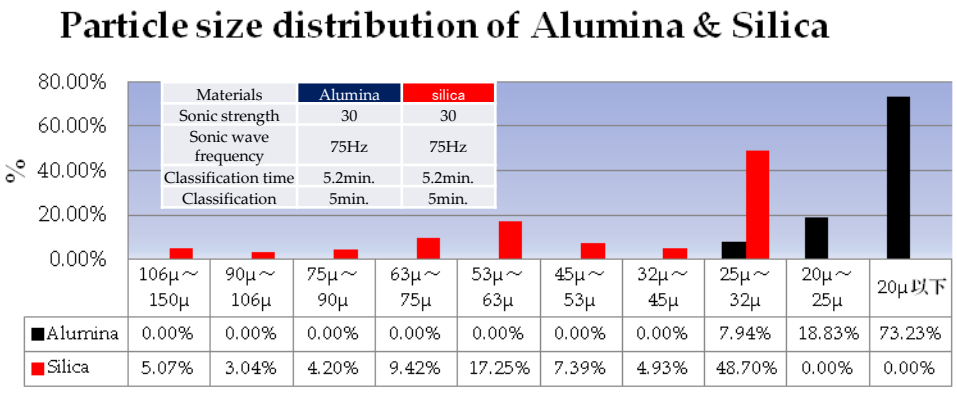




※5kg of Silica; Comparison of the time taken to be classified with conventional mesh and ASADA high opening rate mesh.
※16kg of Alumina; Comparison of the time taken to be sieved with conventional mesh and ASADA high opening rate mesh.

Sample	Spec	Spec	Mesh Count	Wire Dia.(mm)	Opening(mm)	Opening Rate
Silica	Conventional Mesh	SS-200/45	200	0.045	0.082	41.70%
	Super Mesh	HS-250/20	250	0.02	0.082	65%
Alumina	Conventional Mesh	SS-270/40	270	0.04	0.054	33%
	Super Mesh	MS-24/325	325	0.023	0.054	48%

The chart below is particle size distribution alumina and silica.



Provision of Data :KOWA KOGYOSHO CO.,LTD.