

PRO-FINISH SURFACE-TREATMENT, CLEANING AND FINISHING CAPABILITIES

The selections of finishes are virtually unlimited and so are the applications.

<p>Finishing</p> <ul style="list-style-type: none"> • Add matte or satin finish, or decorative frost • Remove glare or imperfections • Blend marks • Hone and burnish • Mark identifications 	<p>Cleaning & Removal</p> <ul style="list-style-type: none"> • Chemical impurities • Paint • Sealants and adhesives • Carbon deposits • Excess brazing materials • Rust • Coatings • Scale • Casting • Flashing • Burrs • Oxidation 	<p>Surface Treatment & Prep</p> <ul style="list-style-type: none"> • Strengthen • Add fatigue resistance • Improve wear properties • Reduce design weights, porosity, friction or susceptibility to corrosion • Expose flaws for inspection • Etch for bonding and adhesion • Cut • Improve lubrication
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MEDIA GUIDE

	Glass Bead	Ceramic Shot	Stainless Cut Wire	Steel Shot	Steel Grit	Aluminum Oxide	Silicon Carbide	Garnet	Crushed Glass	Plastic Media	Agri Shell
Finishing	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO
Cleaning/Removal	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Peening	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
Surface Profiling (Etch)	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
Working Speed	MED	MED	MED	MED	MED-HIGH	HIGH	VERY-HIGH	HIGH	HIGH	MED-HIGH	LOW-HIGH
Recyclability	HIGH-LOW	HIGH	HIGH	VERY-HIGH	VERY-HIGH	MED-HIGH	MED-LOW	MED	MED-LOW	MED	LOW
Probability of Metal Removal	VERY LOW	VERY LOW	VERY LOW	VERY LOW	MED	MED-HIGH	MED-HIGH	MED	LOW-MED	VERY LOW	VERY LOW
Hardness, MOH Scale (Rockwell RC)	5.5	7 (57-63)	6-7.5 (35-55)	6-7.5 (20-66)	8-9 (40-66)	8-9	9	8	5.5	3-4	1-4.5
Bulk Density (lb/cu. ft.)	100	150	280	280	230	125	95	130	100	45-60	40-80
Mesh Size	30-440	8-46	20-62	8-200	10-325	12-325	36-220	16-325	30-400	12-80	MANY
Typical Blast Pressures (psi)	20-55	20-90	20-90	20-90	20-90	20-90	20-90	30-80	20-50	20-60	10-40
Shapes: ▲ Angular; ● Spherical	●	●	●	●	▲	▲	▲	▲	▲	▲ or ●	▲

NOTES:

Above information is intended as a general reference guide. Consult your authorized Empire distributor for specific media specifications.

1) Sodium bicarbonate must be treated with a flow agent.

2) Do not use silica sand in a hand cabinet.

3) See "Media/Reclaimer Compatibility" chart on page 14 for mesh sizes that are compatible with reclaimer systems.

SILICA SAND IS NOT TO BE USED IN ANY EMPIRE BLAST EQUIPMENT.

WARRANTY: THREE YEAR LIMITED
 Consult Empire for details. For other literature or more information, consult your local Empire distributor, your Empire regional sales manager, or Empire company headquarters.
 Dimensions and specifications will vary with options and accessories purchased. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

EMPIRE PRODUCTS

- A full range of cabinets—economy to custom
- Basket blasters for batch processing
- Automated blast systems
- Pneumatic blast & recovery systems
- FaStrip® plastic & wheat-starch decoating systems
- Blast rooms
- Outdoor portable systems
- Centrifugal-disc machines
- A full line of parts and accessories



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