

# Pro-Finish® Surface-Treatment, Cleaning and Finishing Capabilities

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

## FINISHING

- Add matte or satin finish, or decorative frost • Remove glare or imperfections • Blend marks
- Hone and burnish • Mark identifications

## CLEANING & REMOVAL

- Chemical impurities • Paint • Coatings • Sealants and adhesives • Carbon deposits • Scale • Excess brazing
- Casting material • Flashing • Burrs • Rust • Oxidation

## SURFACE TREATMENT & PREP

- Strengthen • Add fatigue resistance • Improve wear properties
- Reduce design weight, porosity, friction or susceptibility to corrosion • Improve lubrication
- Expose flaws for inspection • Etch for bonding and adhesion • Cut

## 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	NO	YES	YES	YES
Working Speed	MED	MED	MED	MED	MED-HIGH	HIGH	VERY-HIGH	LOW	HIGH	MED-HIGH	LOW-HIGH
Recyclability	HIGH-LOW	HIGH	HIGH	VERY-HIGH	VERY-HIGH	MED-HIGH	MED-LOW	NONE	MED-LOW	MED	LOW
Probability of Metal Removal	VERY LOW	VERY LOW	VERY LOW	VERY LOW	MED	MED-HIGH	MED-HIGH	NONE	LOW-MED	VERY LOW	VERY LOW
Hardness, MOH Scale	5.5	7	6-7.5	6-7.5	8-9	8-9	9	2.5	5.5	3-4	1-4.5
(Rockwell RC)		(57-63)	(35-55)	(20-66)	(40-66)						
Bulk Density (lb/cu. ft.)	100	150	280	280	230	125	95	60	100	45-60	40-80
Mesh Size	30-440	8-46	20-62	8-200	10-325	12-325	36-220	70-220	30-400	12-80	MANY
Typical Blast Pressures (psi)	20-55	20-90	20-90	20-90	20-90	20-90	20-90	40-80	20-50	20-60	10-40
Shapes: • Spherical; Δ Angular	•	•	•	•	Δ	Δ	Δ	Δ	Δ	• or Δ	Δ

### Notes:

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

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 10 for mesh sizes that are compatible with reclaimer systems.

## Warranty: Three Year Limited

Consult Empire for details. Dimensions and specifications will vary with options and accessories purchases. INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

**NEVER USE SILICA SAND IN ANY EMPIRE EQUIPMENT.**



**EMPIRE**  
ABRASIVE EQUIPMENT

**Empire Abrasive Equipment, 2101 W. Cabot Blvd., Langhorne, PA 19047-1893**

**Call:** 215.752.8800 • **Fax:** 215.752.9373 • **Email:** Airblast@empire-airblast.com

**Search:** www.empire-airblast.com