

MEMBER DIRECTORY: LAB & PILOT SCALE PROCESSING CAPABILITIES

A publication of the Recycling Committee Technology & Equipment Subcommittee

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INTRODUCTION

The Plastics Industry Association (PLASTICS) is uniquely positioned to explore new recycle feed streams and potential end markets for recycled materials. At the time of this publication, PLASTICS has two recycling demonstration projects underway that are significantly contributing to our understanding of new recycled plastics streams. The help and support of our members is critical to the success of these efforts.

To better understand the capabilities of our members to contribute to these efforts, we asked members to participate in a very brief survey about their company's capabilities. Companies who are listed in this directory has chosen to share their information with the other members of PLASTICS, to help facilitate collaboration on individual innovation efforts, in addition to PLASTICS projects.



MEMBER CAPABILITIES

Lab Scale Processing

Company Name	Capabilities	Sample Size Required
Asahi Kasei Plastics North America, Inc.	Compounding, Pelletizing	10-5000 lbs.
Commercial Plastics Recycling, Inc.	Size Reduction	10-200 lbs.
Milliken	Compounding, Extrusion	5-5000 lbs.
Noble Polymers	Compounding, Extrusion, Pelletizing	20-200 lbs.
Pak-Sher	Extrusion, Pelletizing	100-500 lbs.
Plastics Forming Enterprises	Size Reduction, Washing, Metal Detection, Densification, Compounding, Extrusion, Pelletizing, Melt Filtration	10-100 lbs.
PolyVisions, Inc.	Compounding, Pelletizing, Melt Filtration	30-5MM lbs.
Printpack, Inc.	Extrusion	10-5,000 lbs.
Rapid Granulator	Size Reduction	10-250 lbs.
Sealed Air Corporation	N/A	1-15 lbs.
Technical Process & Engineering, Inc.	Compounding, Extrusion, Pelletizing, Melt Filtration	50 -5000 lbs.
Ultra-Poly	Size Reduction, Compounding, Extrusion, Pelletizing, Melt Filtration, Elutriation (Density separation)	50-5000 lbs.

Size Reduction

Company Name	Capabilities	Sample Size Required
Commercial Plastics Recycling, Inc.	Shredding, Granulation, Pulverization	1000+ lbs.
Plastics Forming Enterprises	Granulation	5-200 lbs.
Printpack, Inc.	Granulation	10-3,000 lbs.
Rapid Granulator	N/A	100-500 lbs.
Sealed Air Corporation	N/A	5-15 lbs.
Ultra-Poly	N/A	100-5000 lbs.

Washing

Company Name	Sample Size Required
Plastics Forming Enterprises	100 g. – 100 lbs.



Metal Detection

Company Name	Sample Size Required
Commercial Plastics Recycling, Inc.	10,000 + lbs.
Intertek	Any amount
Plastics Forming Enterprises	1-10 lbs.
Ultra-Poly	50-500 lbs.

Densification/Agglomeration

Company Name	Sample Size Required
Plastics Forming Enterprises	1-50 lbs.

Compounding

Company Name	Capabilities	Sample Size Required
Asahi Kasei Plastics North America, Inc.	Single Screw, Twin Screw	10-5000 lbs.
Milliken	Single Screw, Twin Screw Co -Rotating	5-5000 lbs.
Noble Polymers	Twin Screw Co-Rotating	20-200 lbs.
Plastics Forming Enterprises	Single Screw	10-200 lbs.
PolyVisions, Inc.	Twin Screw Co-Rotating	30-5MM lbs.
Sealed Air Corporation	N/A	10-15 lbs.
Technical Process & Engineering, Inc.	Continuous Mixer	Not Specified
Ultra-Poly	N/A	50-5000 lbs.

Extrusion

Company Name	Capabilities	Sample Size Required
Milliken	Twin screw Co-Rotating, Single Screw	5-5000 lbs.
Noble Polymers	Twin Screw Co-Rotating	20-200 lbs.
Pak-Sher	Single Screw, Co- Extrusion	500-1500 lbs.
Plastics Forming Enterprises	Single Screw	10-200 lbs.
PolyVisions, Inc.	Twin Screw Co-Rotating, Single Screw	30-5MM lbs.
Printpack, Inc.	Single Screw, Co-Extrusion	50-10,000 lbs.
Sealed Air Corporation	N/A	5-15 lbs.
Ultra- Poly	N/A	50-5000 lbs.



Pelletizing

Company Name	Capabilities	Sample Size Required
Noble Polymers	Strand	20-200 lbs.
Pak-Sher	Hot Face	250-1000 lbs.
Plastics Forming Enterprises	Strand	10-200 lbs.
PolyVisions, Inc.	Strand	30-5MM lbs.
Sealed Air Corporation	N/A	1-15 lbs.
Technical Process & Engineering, Inc.	Strand, Underwater, Strip and Dice	50-5000 lbs.
Ultra-Poly	N/A	50-5000 lbs.

Melt Filtration

Company Name	Capabilities	Sample Size Required
Plastics Forming Enterprises	Discontinuous Screen Changer	10-200 lbs.
PolyVisions, Inc.	Discontinuous Screen Changer	5000-5MM lbs.
Technical Process & Engineering, Inc.	Discontinuous Screen Changer	Not Specified
Ultra-Poly	N/A	50-5000 lbs.

Physical Property Testing

Company Name	Capabilities	Sample Size Required
Asahi Kasei Plastics North America, Inc.	ISO, ASTM, ISO 17025	15 lbs.
Commercial Plastics Recycling, Inc.	ASTM	1 lb.
Intertek	ISO, ASTM	5-15 lbs.
Milliken	ISO, ASTM	5 lbs.
Noble Polymers	ISO, ASTM	5-10 lbs.
Pak-Sher	ASTM	10 lbs.
Plastics Forming Enterprises	ASTM	10 lbs.
PolyVisions, Inc.	ISO, ASTM	30 lbs.
Ultra-Poly	N/A	10 lbs.



SAMPLE CONTACTS AND PROCESSING LOCATIONS

COMPANY	NAME	EMAIL	PHONE	MAILING ADDRESS	
Asahi Kasei Plastics North America, Inc.	Michael Balow	MJBalow@akplastics.com	517.22 3.5232	900 E. Van Riper	Fowlerville, MI 48836
Commercial Plastics Recycling, Inc.	Paul Benvenuti	paulb@cprinc.net	813.71 2.3767	1920 Tampa East Blvd.	Tampa, FL 33619
Intertek	Naeem Mady	naeem.mady@intertek.com	201.95 2.8110	1060 Holland Dr. Suite G	Boca Raton, FL 33487
Milliken	Prem Patel	prem.patel@milliken.com	312.33 9.0286	924 Milliken Rd. Dock B	Spartanburg, SC 29303
Noble Polymers	Meagan Marko	meagan.marko@noblepolymers.com	616.82 6.8219	4855 37 th St. SE	Grand Rapids, MI 49512
Pak-Sher	Terry Gebhardt	tgebhardt@paksher.com	903.98 6.3310	2500 N. Longview Street	Kilgore, TX 75662
Plastics Forming Enterprises	Kristina Hansen	khansen@plasticsforming.com	603.66 8.7551	13 Columbia Drive Unit 10	Amherst, NH 03031
PolyVisions, Inc.	Rick Wilson	rwilson@polyvisions.com	717.36 8.4442	25 Devco Drive	Manchester, PA 17345
Printpack, Inc.	Daniel Sanders	dsanders@printpack.com	757.22 9.9200	400 Packets Ct.	Williamsburg, VA 23185
Rapid Granulator, Inc.	Jim Hoffman	jimh@rapidgranulator.com	724.58 4.5231	555 West Park Road	Leetsdale, PA 15056
Sealed Air Corporation	Vince Herran	vince.herran@sealedair.com	864.43 1.3194	803 N. Maple Street	Simpsonville, SC 29681
Technical Process & Engineering, Inc.	Slayton Altenburg	slaytona@tpei.com	470.38 6.4777	892 Blakeslee Blvd. Dr. West	Leighton, PA 18235
Ultra-Poly	Kevin Cronin	kcronin@ultra-poly.com	570.89 7.2625	102 Demi Rd.	Portland, PA 18351