

ENGINEERED RESINS

© SEPTEMBER 2010 • GALA INDUSTRIES, INC.

As the technology expansion of underwater die face pelletizing grows faster than ever, Gala continues to focus on customer needs by developing equipment to suit the underwater pelletizing and drying needs of engineered resin producers and compounders. Use of the underwater pelletizer is growing in markets previously dominated by strand pelletizers, and with good reason. The Gala Underwater Pelletizer is the most versatile pelletizer available, with thousands of applications running worldwide, processing everything from commodity resins to custom engineered resins.

Gala's experience in the engineered resins market includes virgin resin production applications as well as special compounding operations. Rate capabilities from 10 kg/h to 15,000 kg/h make the Gala Underwater Pelletizer suitable for lab and pilot scale systems to full scale resin production applications. A particular advantage of using the Gala Underwater Pelletizer for engineered resins is the ability to process a wide range of viscosities, as well as very soft and sticky grades of these polymers.



Bottle grade polyester.

Just a Few of the Advantages of the Gala Underwater Pelletizing System:

- Low Noise
- Less Dust
- Compact
- Less Waste
- No fumes released into environment
- Requires less operator attention and maintenance

Much of Gala's technology targets the increasing number of reactor applications processing materials such as Thermoplastic Polyurethane, Polyamides, Polyesters, and Polycarbonates.

Continual effort has been applied in designing Gala Underwater Pelletizing Systems to address issues of:

- Operator Safety
- Minimization of Downtime
- Reduction of Maintenance
- Advancement in Automation



PA-6,6 with 33% glass.

PA-6 with 5% TiO₂



GALA'S WORK WITH ENGINEERED RESINS . . .

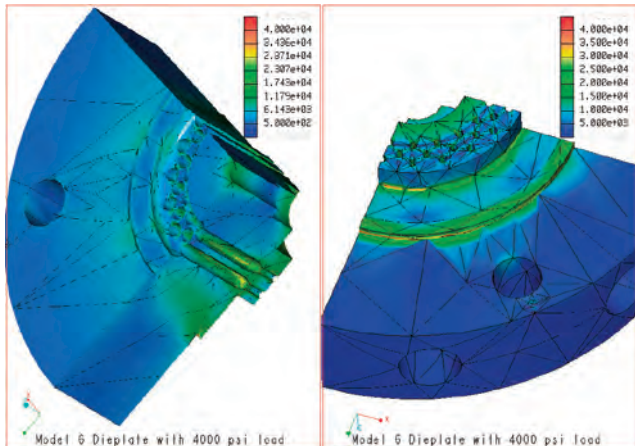
Gala can offer pellet production systems suitable for processing Thermoplastic Polyurethane (TPU); Polyamides (PA); Polyesters (PET, PBT); Styrenics (ABS, SAN); Polycarbonate (PC); Polyoxymethylene (POM/Acetal); Fluoropolymers (PDVF, ECTFE, PTFE, FEP, PFA); Acrylic (PMMA); Polysulfones (PSU, PES); Polyphenylene Sulfide (PPS); Liquid Crystal Polymer (LCP); Polyphenylenoxide (PPO), Polyphenylene Ether (PPE); Phenoxy Resins, and/or combinations of these resins with high performance fiber reinforcements.



Lab at Gala GmbH, Xanten, Germany



Lab at Gala USA, Eagle Rock, Virginia



Ongoing development in the areas of die plate design for maximum efficiency and throughput.

Lab facilities located around the world put Gala's technology close to our Customers. Call a Gala representative for more information about our work with engineered resins and the services and processes we offer that will be of benefit to you!

Gala technology is protected, in whole or in part, by one or more issued U.S. and foreign patents, with other domestic and foreign patents pending. Patents include US Patent Nos. 5,265,347; 5,403,176; 5,624,688; 5,638,606; 6,138,375; 6,237,244; 6,332,765; 6,551,087; 6,739,457; 6,793,473; 6,807,748; 6,824,371; 6,925,741; 7,024,794; 7,033,152; 7,157,032; 7,171,762; 7,172,397; 7,267,540; 7,318,719; 7,393,484; 7,402,034; 7,421,802; 7,524,179; and related foreign patents; All logos, trademarks, and service marks (hereafter referred to as "Trademarks") displayed herein whether or not appearing in large print or with or without the trademark symbol are registered and unregistered Trademarks of Gala or of third parties. Gala Trademarks are protected by one or more registered U.S. and foreign trademarks, with other domestic and foreign trademarks pending. All original works of authorship displayed herein is protected under U.S. and other copyright laws. Gala technology may also be protected as trade secrets, mask works or other proprietary rights.

Gala Industries, Inc.

181 Pauley Street, Eagle Rock, VA 24085 USA • Tel: 540 884 2589; Fax: 540 884 2310;
Email: gala@gala-industries.com • www.gala-industries.com



Gala Kunststoff- und Kautschukmaschinen GmbH

Bruchweg 28-30, 46509 Xanten, Germany • Tel: +49 (0) 2801 9800; Fax: +49 (0) 2801 98010
Email: info@gala-europe.de

Gala Industries Asia Ltd.

Amata City Ind. Est., 9/34 Moo 4, T.Mabyangporn, A. Pluakdeang, Rayong 21140, Thailand
Tel: +66 38 956 245; Fax: +66 38 956 246; www.gala-industries.com