



# Protogenic @ a Glance

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| <b>Protogenic Founded</b>                          | January, 1990. Merged with Spectrum Plastics Group June 2008                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Founders</b>                                    | Steve Stewart & Horst Lambrecht                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Contacts</b>                                    | <u>Quoting – File Transfers</u>                                                                                                                                                                                                                                                                                                                                                      | Kim Hoekstra, Senior Estimator: 303-453-3999<br>kim@protogenic.com<br><br>Jason Boh, Project Estimator: 303-453-8018<br>Jason@protogenic.com<br><br>Tim Nakari, General Manager, VP of Sales: 303-453-3992<br>tim@protogenic.com                                                                                                                                                                                                                                                                                                               |
|                                                    | <u>Sales Inquiries</u>                                                                                                                                                                                                                                                                                                                                                               | Bob Olsen, Regional Sales Manager: 303-453-3990<br>bob@protogenic.com<br>Responsible for U.S. Customers in AL, AZ, CO, CT, DE, FL, GA, ID, IN, KY, MA, MD, ME, MI, MS, MT, NC, NH, NJ, NM, NY, OH, PA, RI, SC, TN, UT, VA, VT, WV, WY and Canadian Customers in AB, NB, NL, NS, ON, PE, QC.<br><br>Arlen Juels, Regional Sales Manager: 303-453-3983<br>arlen@protogenic.com<br>Responsible for U.S. Customers in AK, AR, CA, HI, IA, IL, KS, LA, MN, MO, ND, NE, NV, OK, OR, SD, TX, WA, WI and Canadian Customers in BC, MB, NT, NU, SK, YT. |
| <b>Services Offered</b>                            | <u>SLA Models</u>                                                                                                                                                                                                                                                                                                                                                                    | Available in 5 finish levels: QuickProof, Functional, Clear Coat, Polished, and Paint Ready                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                    | <u>Silicone RTV Molding</u>                                                                                                                                                                                                                                                                                                                                                          | Create beautiful, accurate copies of your master patterns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                    | <u>Cast Polyurethane Parts</u>                                                                                                                                                                                                                                                                                                                                                       | Shore A and Shore D, Cast-in color, inserts, texture, painted (if needed), over molded, assembled, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                    | <u>Laser Sintering</u>                                                                                                                                                                                                                                                                                                                                                               | Sintered Nylon, suitable for prototypes and direct manufacturing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                    | <u>PolviJet</u>                                                                                                                                                                                                                                                                                                                                                                      | Shore A and Shore D materials available, suitable for prototypes and master patterns.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                    | Painting, decorating, EMI/RFI, etc., are offered, but done primarily as outside services with Protogenic-qualified vendors                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>People</b>                                      | 55 full time employees, 2 shifts                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Plant</b>                                       | 22,500 square feet                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>SLA Capacity</b>                                | 3 x SLA 250's, 1 x Viper si2, 1 x SLA 350, 1 x SLA 500, 1 x SLA 5000<br>(7 machines total on premises).<br><b>Our Viper SLA system allows us to build SLA's in high resolution in a 5" x 5" area, with as fine as a .003" beam diameter and .002" layer thickness. Ask your estimator or project manager for more details.</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>LS Capacity</b>                                 | 1 EOS P385 Laser Sintering system. 12.6"x 12.6" x 24" build area                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Polyjet Capacity</b>                            | 1 Objet Eden 500v Polyjet Machine. 19.3" x 15.4" x 7.9" build area                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Quotes</b>                                      | Email .stl files, ProE files, SolidWorks files, or .IGES files, to quotes@protogenic.com or call for assistance.                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Average Lead Times</b>                          | <u>SLA's</u>                                                                                                                                                                                                                                                                                                                                                                         | 1-2 days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                    | <u>PolviJet</u>                                                                                                                                                                                                                                                                                                                                                                      | 1-2 days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                    | <u>Sintered Nylon</u>                                                                                                                                                                                                                                                                                                                                                                | 2-3 days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                    | <u>First Cast parts</u>                                                                                                                                                                                                                                                                                                                                                              | 4-5 days after SLA Master approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Typical Casting Rate</b>                        | <u>Shore A</u>                                                                                                                                                                                                                                                                                                                                                                       | 2-3 parts / day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                    | <u>Shore D</u>                                                                                                                                                                                                                                                                                                                                                                       | 3-5 parts / day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Long-Term Customers Include</b>                 | Agilent Technologies, Ball Aerospace, Bausch & Lomb, COBE, Dell Computer, Delphi, Hewlett Packard, Hunter Douglas, Lear Corporation, Medtronic, Seagate, Sun Microsystems Phoenix International, Rockwell, Covidien, Volkswagen                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protogenic Guarantees Customer Satisfaction</b> | <b>We will do whatever it takes to assure your satisfaction with our product.</b> That means that, in the unlikely event that you're dissatisfied, we will fix it, replace it, or refund your money. Because of the time-sensitive nature of your project, and our commitment to your success, we're happy to extend this guarantee a full 30 days from your order's last ship date. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |