

Capabilities Presentation

New Product Development • 3D Printing and Digital Scanning



GRENEKER

Development Schedule

Mannequin Development Schedule	
• Week 1:	Initial concept development Digital sculpt and reviews 3D Print scaled model for internal review Adjust digital sculpt based upon model review 3D Print scaled model for client review
• Week 2:	Overnight ship scaled model to client Client review of scaled model Adjust digital sculpt based upon client review of model
• Weeks 3-4:	3D Print full size model 2nd day ship full size model to client Client review of full size model Adjust digital sculpt based upon client review of full size model (if necessary)
• Week 5:	Final client approval
• Weeks 6-7:	Print final 3D full size model for prototype Prototype and domestic production tooling
• Weeks 8-11:	Ship domestic prototype Overseas Overseas production tooling

Note: This project is time critical; delays in sign-off and art directed changes beyond those identified within the scope above, will affect the development schedule.

3D Product Development

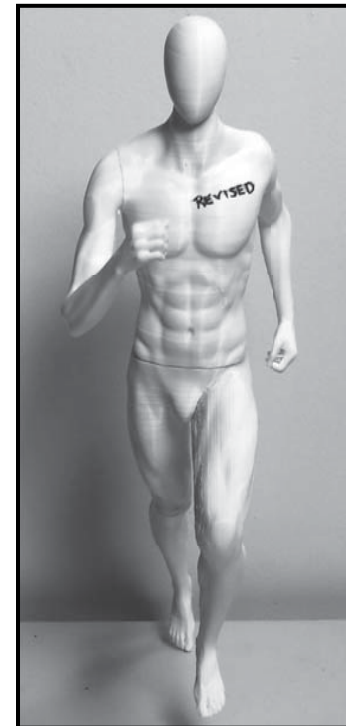
Utilizing the innovation of 3D Scanning & Printing Technology, Greneker is proud to offer this service and our expertise to bring your retail Mannequin visions to life



Initial Concept Development



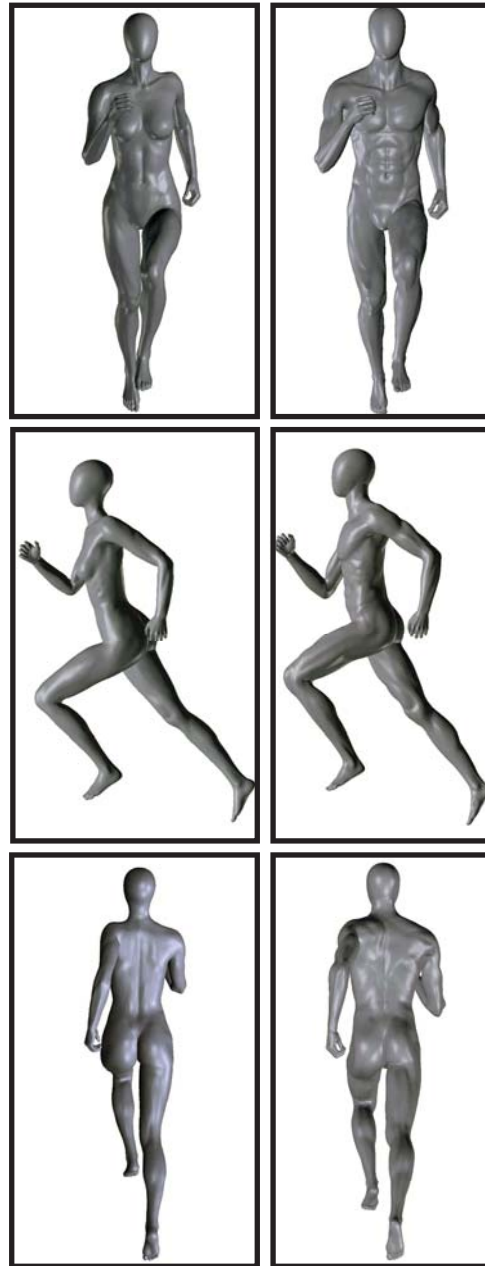
Digital Sculpt and Reviews



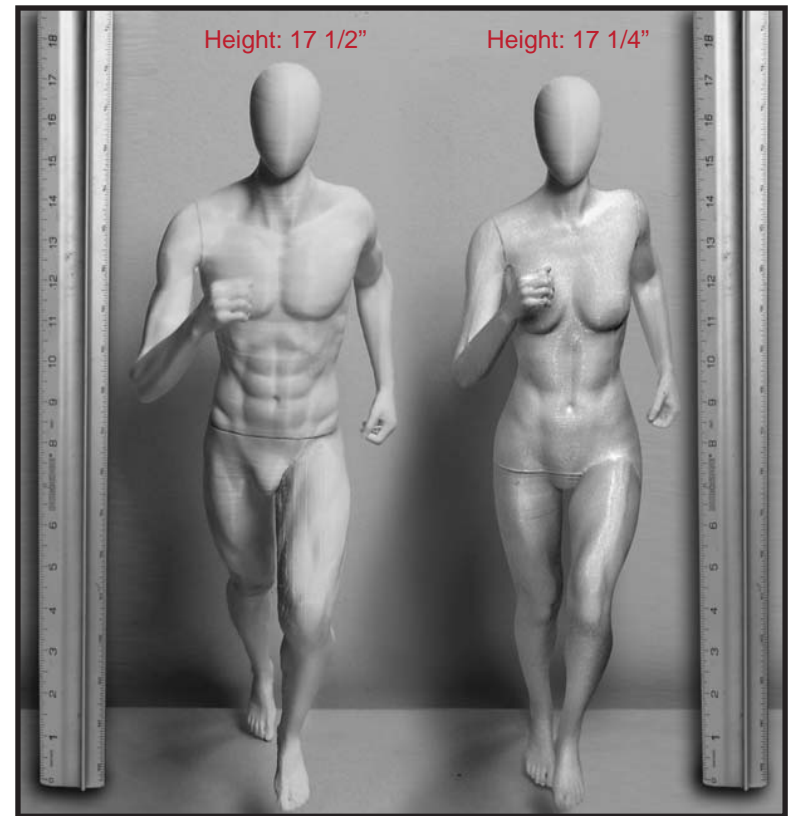
3D Print Full Size



Final Product



- Pose Inspiration
- Digital Models
- Miniature Sculpted Models



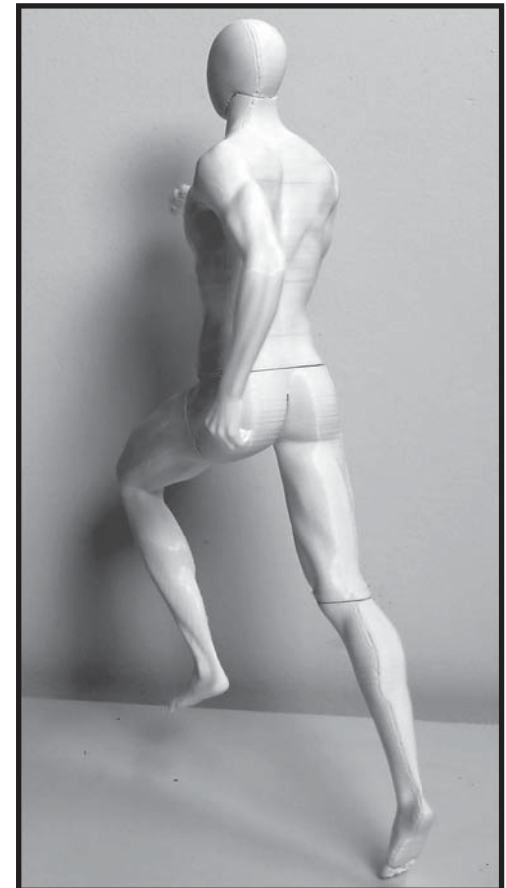
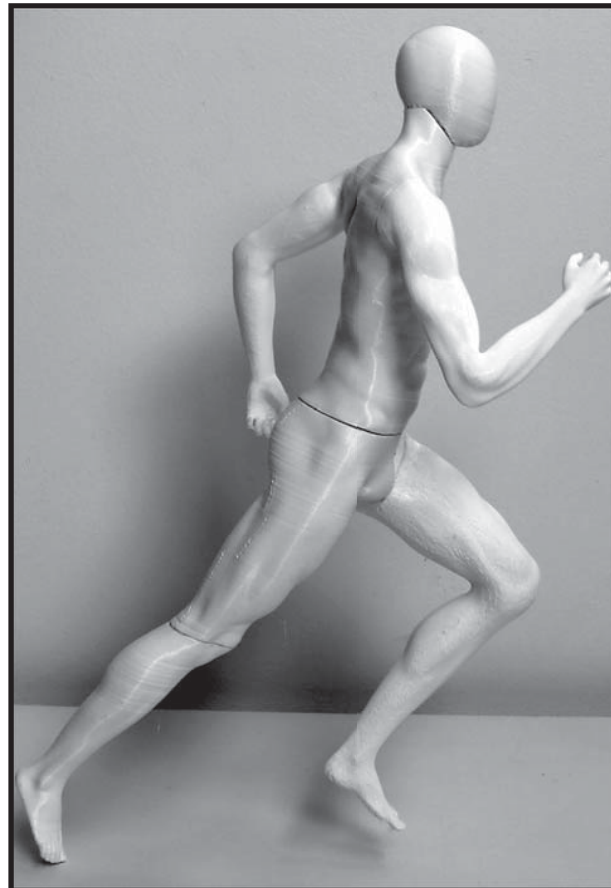
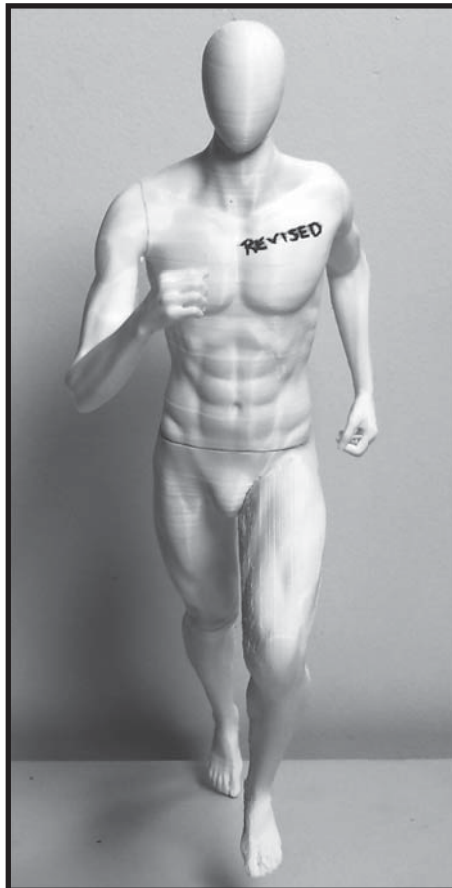
Pose Inspiration

Digital Models

3D Print
Miniature Sculpted Models



- 3D Print Full Size Model
- Client Review
- Finalize for Prototype



3D Print Full Size Assembled

Finished Product

Final Approval

- Domestic Production
- Overseas Production



Finished Product Assembled

Additional Custom 3D Projects



#SELFIECOLLECTION



Additional Custom 3D Projects



3D Print Full Size Assembled



Finished Product Assembled

Award List

2016 IIDA Awards of Excellence - Best Of Competition

2016 IIDA Award of Excellence in the Category of
- Mannequins / Forms

2016 A.R.E. / POPAI Outstanding Merchandising Achievemen
- Gold Winner "Thomas & Percy Photo-Op"

2016 A.R.E. Design Awards - Visual Elements - Greneker
- Store of The Year Under Armour Brand House

2012 Exhibitor Magazine
- 30 Memorable Moments of the Last Decade

2010 A.R.E. Design Award of Outstanding Merit
- Shoe Woo, New York

2009 DDI Magazine editors choice
- Greneker Soy Mannequins

2009 VMSD Magazine editors choice for best new product
- Greneker Soy Mannequins

2009 RDI International Store Design Award
- West Marine

2008 NASFM Retail Design Award

2008 A.R.E. Design Award

2007 ISP/VM+SD International Store Design Award

2007 PAVE Rising Star Award Finalist

2005 Exhibitor Magazine's Gold Award

2004 DDI Magazine's Fixture Leaders Award

2003 DDI Magazine's Fixture Leaders Award

2002 Petco Strategic Partner Exceptional New Store Award

2001 Petco Exceptional New Vendor Award

Since 1934, Greneker has supported the marketing vision of leading fashion purveyors . Through our creativity, skilled workmanship and quality products we've helped develop successful merchandising programs which enhanced the customer experience and delivered a positive contribution to our client's brand equity.

Partial Client List:

Adidas	Izod
Bass Pro	Jockey
Bloomingdales	Lord & Taylor
Brooks Brothers	Macy's
Cabela's	Mattel
Carhartt	New York & Co.
Charming Charlies	Patagonia
Charming Shoppes	Saks 5th Ave
Coach	Scavolini
Columbia Sportswear	Smartwool
Dick's Sporting Goods	TaylorMade
Dillard's	Tiffany's/Iridesse
Foot Locker	Under Armour
Grammy Museum	Universal Studios
Hanes Brands, Inc.	The Walt Disney Company
Hot Topic / Torrid	