



NEWS RELEASE

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Objet Geometries' 3-D Printers Play Starring Role in New Animated Film *Coraline*

Market Leading Rapid Prototyping Systems Help Break New Ground in Stop-Motion Animation

Rehovot, Israel (February 5, 2009) – In *Coraline*, the extraordinary new animated feature film, a young girl unlocks a mysterious door and enters into an exciting alternate reality. Truth be told, her magical journey began long before she opened that door – when the film's creative team broke new ground in animation by applying 3-D printing technology from Objet Geometries Ltd to create many of the magical stop-motion animations of *Coraline*'s characters and sets.

The filmmakers used three of the cutting-edge 3-D printing systems from Objet – the Eden260™, Eden500V™ and Connex500™ – in the development and production of the film. Thousands of high-quality 3-D models, ranging from facial expressions to doorknobs and food spreads, were printed using the Objet systems, which easily transform CAD (computer-aided design) drawings into high-quality models in record time and with extreme precision.



“Our 3-D printing technologies enabled the filmmakers to create the most visually captivating stop-motion film ever made,” said Amit Shvartz, vice president of marketing for Objet Geometries. “Companies that utilize Objet systems often say that it’s ‘all about the details,’ and that’s especially true with regard to Objet’s role in the making of this remarkable movie. Also of great importance is the fact that Objet technology enabled the creation of one of the most sophisticated animation films ever in the most cost- and time-effective way.”

Firsts in Movie Magic Made Possible by Objet

From the opening scene through the entire film, movie-goers see startling animations stemming from Objet technology, particularly in the fluid, life-like facial animation of the characters. Talented artists at LAIKA used Objet systems to create hundreds of models with individual facial expressions that were exchanged on puppet characters to create the illusion of all manner of actions and emotions, from talking and smiling to laughing and crying.

Marking the first use of 3-D printed replacement faces in a feature-length film, the character of Coraline had the potential to exhibit well over 208,000 facial expressions. By comparison, the main character in the 1993 stop-motion film *The Nightmare Before Christmas* – by the same director – had but 800 possible expressions, and was considered a breakthrough in animation in its day.

Objet was also utilized in the creation of, among other elements, prop silverware, doorknobs, door hinges and food spreads, and made possible the first-ever sequence of computer aided stop-motion morphing, a special effect that seamlessly transforms one image into another. In another first, the technology also enabled a fire to be created with physical, replaceable models, and allowed the film-makers to generate vast numbers of near-identical characters, eliminating the need for computer duplication.

Groundbreaking Technology for a Groundbreaking Film

One of the key advantages available to the filmmakers in using Objet technology was the capability to print multiple materials, each with different mechanical and physical properties, simultaneously. Objet's Connex500™ is the only 3-D printing system on the market that can do this. In addition, Objet's patented PolyJet™ and PolyJet Matrix™ technologies enabled the jetting of photopolymer materials in ultra-thin layers that were cured immediately with UV light, speeding up the production process and offering unmatched levels of detail.

"Companies in diverse industries around the globe have embraced our advanced rapid prototyping technology for the unique effectiveness it demonstrates in a very wide range of applications," said Adina Shorr, Objet's CEO. "And now we are thrilled to see the impact of our systems in a larger-than-life format. Coraline provides dramatic evidence that our technology can support and foster the most creative ideas."



Coraline is a Focus Features release of a Focus Features presentation of a LAIKA production in association with Pandemonium. It will be released in theaters nationwide on Friday, Feb. 6th, and it will be viewable in 3-D in some locations. Further details on the movie, including trailers and making-of documentary videos, can be found online at www.coraline.com.

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About Objet Geometries

Objet Geometries Ltd., (www.objet.com), a pioneer in photopolymer jetting, develops, manufactures and globally markets ultra-thin-layer, high-resolution 3-Dimensional printing systems and materials that utilize PolyJet™ and PolyJet Matrix™ polymer jetting technologies to print ultra-thin layers.

The market-proven Eden™ line of 3-D Printing Systems and the Alaris30 3-D Printer are based on Objet's patented office-friendly PolyJet Technology. Connex500™ is based on Objet's PolyJet Matrix™ technology, which jets multiple model materials simultaneously and creates composite Digital Materials™ on the fly. All Objet systems use Objet's FullCure® materials to create accurate, clean, smooth and highly detailed 3-dimensional models.

Objet's solutions enable manufacturers and industrial designers to reduce cost of product development cycles and dramatically shorten time-to-market of new products. Objet systems are in use by world leaders in many industries, such as automotive, electronics, toy, consumer goods, and footwear industries in North America, Europe, Asia, Australia and Japan.

Founded in 1998, Objet serves its growing worldwide customer base through offices in USA, Europe and Hong Kong, and a global network of distribution partners. Objet owns more than 50 patents and patent pending inventions.