Customer Case Study
Terrible Beauty

Research Study

Phyllium Bioculation

Heteropteryx Dilatat

Textile Museum of Canada (http://www.textilemuseum.ca) had an exhibit installation *A Terrible Beauty* by Jennifer Angus (http://www.jenniferangus.com). This exhibit "intricate geometric patterns, familiar to us through wallpapers, textile designs, interior furnishings and the clothing we wear are drawn onto the gallery walls with thousands of tropical insects [Thailand and Malaysia] pinned into exacting repeat patterns that transform the gallery space into four sensational tableaux"(Sara Quinton, Curator, from an exhibit brochure).

This particular scanning project was initiated by employees of Arius3D Inc. who visited the museum and were fascinated by installation patterns and as well as by insects themselves. Scanning two insects was a challenge for technicians due to objects complicated shape, transparent wings and tinny body parts. Technicians had to apply different techniques to complete digital images that otherwise wouldn't be available in accurate 3D capture.

The revolutionary technology, developed by the National Research Council in Ottawa Canada, captures true color and geometry simultaneously at near microscopic resolution (100 microns X, Y; 10 Microns Z axis). Arius3D provides a unique, proprietary solution for education and research, allowing for the simultaneous integration of both convergent and divergent approaches. The Arius3D solution gives educators and scholars in different fields of knowledge the opportunity to add interactivity to curriculum, and enables learners and researchers to manipulate, analyze and construct, using digital captures of real-world objects in perfect 3D color.

Arius3D creates digital imaging solutions that enable organizations to research, present, and share unique physical objects in digital form.

Founded in 1998 by principals of some of the world's most renowned imaging companies including IMAX and SCIEX, Arius3D offers 3 dimensional imaging systems, Pointstream software solutions, scanning services, as well as image licensing from a growing image library.