

## **PANGOLIN DIGITAL STUDIO**

The Pangolin Digital Studio is fully integrated with Pangolin Editions facilitating the modelling, fabricating, enlarging and reducing of sculptures.

### **3D Scanning:**

With our ultra-high resolution laser arm scanner we are capable of scanning detail to 11 microns; a powerful, fast and portable system, it can easily be set up on site using a standard domestic power source.

Our Artec Eva is a full-colour, white-light scanner which is amongst the fastest available and extremely portable.

These systems can be used in conjunction with each other and their scan data combined to produce full-colour, detailed, accurate digital models. There is no limit to the size of object we are able to scan, both onsite or in our digital studio. Any object can be scanned, worldwide, indoors or out.

### **Digital Modelling:**

Our studio technicians work with a full suite of digital post-processing and CAD software to produce quality data for taking forward to production. Fully CAD-friendly, we can import, work with and export to a wide variety of industry standard and specialist file types.

### **Printing/machining:**

Once data has been finalised, it is taken forward to production using rapid-prototyping or printing in high detail wax-plastic at 16 microns for direct burnout casting.

### **Continuation modelling/production:**

Working with the Pangolin Editions conventional modelling department, printed and machined components are assembled and finalised for moulding or casting. The team is expert in assembling multi-build prints to an extremely high standard.

### **Technical Specification**

#### **3D Scanning technology**

White light full colour scanner (Artec Eva)

Ultra high resolution laser scanner (Romer V5)

#### **3D Printing technology**

Fast, high capacity, high detail, rapid prototype printers (Z corp 510)

Ultra-high detail, plastic and direct casting material printer (Projet 3500 HDMax)

#### **Digital modelling technology**

Geomagic studio

Pixologic Z-Brush

Rhino 3D 5

Adobe Photoshop