

DT RGC180 CAPTURE CRADLE

THE NEXT GENERATION REPROGRAPHIC SOLUTION



Originally designed and built for the National Archives Records Administration, the new DT RGC180 Reprographic Capture Cradle is the latest integration of book capture and reprographic technology. Developed to achieve preservation grade reproductions at the fastest rate of capture—while providing reliability, ease of use, and safety of the original materials—the DT RGC180 is the optimum digitization solution for the rapid capture of rare, bound and loose document collections.

The DT RGC180 features a built-in pneumatic 180° dual platen book cradle that adjusts to the thickness of bound collections. The system is designed to bring printed materials to optimal focus and accommodates books up to 25" x 35" with up to 4" bindings. The book cradle platens are self-adjusting platforms that utilize dual pneumatic pistons for raising and lowering. The platforms gently push the books against the glass plate for image capture and can also leave documents partially open when the binding is too fragile and cannot be completely flattened. The RGC180 is operated by foot pedals and can be fine-tuned to protect the widest range of materials. For increased safety, the glass top is hinge mounted to the back of the table and includes lift-assist gas pistons and is secured with hand locks.

The DT RGC180 features a modular design that incorporates today's finest digital camera systems and can be upgraded as technologies or needs change. To increase versatility, a 30" x 40" copyboard is also included that can be placed over the glass so that oversized books, foldouts, maps, rare materials, paintings, film and glass negatives (utilizing the DT Film Scanning Kit), and more can be digitized. The DT RGC180 Capture Cradle is truly a proficient system that will protect your investment and enable you to expand the scope of your digitization program.

DT RGC180 IDEAL USES

- Digitization of books, manuscripts, and book foldouts
- Newspapers, periodicals, catalogs and magazines
- Bound and stapled documents including contracts, accounts, and documentation
- Rare materials
- Photos
- Scrap books
- Maps and blueprints
- Documents, seals, and coins
- Glass negatives, photographic plates, photographic films (with DT Film Scanning Kit), transparent objects up to 18.9" x 17.3"
- Historic glass paintings
- Industrial measuring and testing
- Material analysis and research

DT RGC180 FEATURES & BENEFITS

- 180° anti-reflective glass platen enables the digitization of up to of 25" x 35" books with up to 4" bindings
- Two pneumatic platforms that automatically adjust to your book for optimal focus
- System can be fine-tuned for the safety of the widest range of materials
- Delivers preservation grade images in the following formats and color spaces: TIFFs, JPEGs, PDFs in RGB, grayscale and CMYK modes. Open Source Raw and DNG also supported.
- Open platform design allows camera and capture device to be upgraded, thereby preventing obsolescence
- Variable resolution options available
- Operated by foot pedals
- Four retractable vibration dampening casters
- DT Dual Crop Tool available
- Easy to operate
- Durable design for years of continuous use

Product specifications on back.

DT FILM SCANNING KIT

HIGH PERFORMANCE DIGITIZATION

FEATURES & BENEFITS

- Over 200 times faster than existing scanning equipment
- The highest image quality available
- Digitizes 35mm up to 11" x 17" film
- Includes all the necessary film pattern holders
- Compatible with DT RGC180 Capture Cradle and DT RG3040 Reprographic System
- Easy to operate
- Durable design for years of continuous use

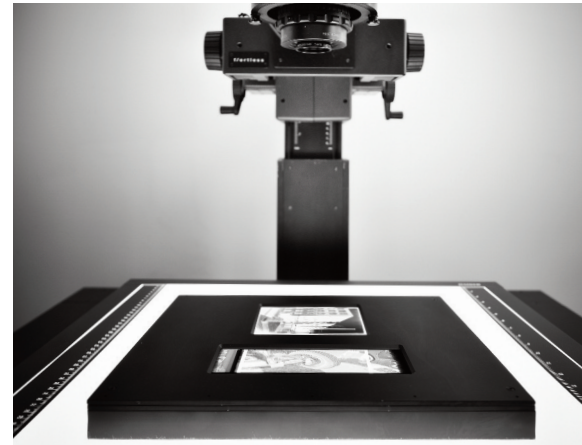
DT FILM SCANNING KIT INCLUDES:

- Cooled transilluminator
- Macro lens
- Extension tubes for high magnification
- Pattern Holders
 - Indexed for all standard film sizes
 - 11" x 14" pattern holders are CNC machined aluminum with black anodized finish

The digitization of photographic films, plates and translucent materials has consistently been a cumbersome and time-consuming process. The new DT Film Scanning Kit utilizes the finest capture technology to provide preservation grade image quality both simply and efficiently. Designed to achieve the fastest throughput while complying with the highest quality standards, this proven system will outperform this industry's existing scanning technology.

Boasting an image capture every two seconds, the DT Film Scanning Kit is over 200 times faster than flatbed or drum scanners. This system incorporates a cooled transilluminator and will digitize all types of photographic plates as well as negative and positive film from 35mm up to 11" x 17" and includes all the necessary film pattern holders. Built with versatility and repeatability in mind, this solution will be an asset to your workflow for years to come.

The DT Film Scanning Kit is an add-on fixture for use with the new DT RGC180 Capture Cradle or DT RG3040 Reprographic System. The integration of the DT Film Scanning Kit and these modular reprographic systems utilize the highest resolution digital backs available on the market to ensure the finest quality images.



DT RGC180 SPECIFICATIONS

OVERVIEW

- 37 1/2" x 27 3/4" glassed 180° dual platen book cradle with pneumatic self-adjusting platforms
- A 30" x 40" reprographic table frame with a heavy duty, motorized column with variable speeds
- Includes a 30" x 40" copyboard for digitization of a wide variety of materials.
- Operated by foot pedals
- Fully aligned components CNC (Computer Numerical Controlled) machined to .005" to ensure even focus across image plane.
- Four leveling and dampening retractable casters for mobility, work surface alignment, and elimination of table vibration to ensure the highest quality reproduction.

All features can be customized.

TABLE AND COLUMN

Table Materials: Black anodized extruded aluminum

Two Platforms: 16 1/2"W x 27 1/2" L
Each platform can be independently separated to create a 4" gap between them.

Glass Platen Dimensions: 37 1/2"W x 27 3/4" L
Glass platen is lift assisted with two gas pistons.

Copyboard: Black plastic laminated copyboard

Table Foot Print: 42 3/4"W x 36 1/2"L

Gross Foot Print: 42 3/4"W x 47 1/4"L

Working Table Height: 30" (approx.)
Total height with extension collar is 96 1/2"

Column Height: 60" Column: 2 speed, rapid and precise

Column Carriage: Universal camera mounting system (positive click-stop center +/- 90 degrees of rotation)

Feet: Four leveling and dampening retractable casters

Operating Voltage: 110-120 V 50-60 HZ

Weight of Column: 43 lbs 3 oz

Extension Plate/Collar: 13 lbs

Shipping Weight: ~550 lbs (in wood crate)

COMPRESSOR

Compressor: .5 HP with a 6.3 gallon tank

Power Requirements: 115V/50-60Hz

Operating DB Level: Compress -40dB

OPTIONAL ACCESSORIES

- Laser Alignment System
- Pattern Holders
 - Book Cradles
 - Vacuum Boards
 - Transmissive Light Sources
- Integrated Lighting Support
- Strobe and/or Continuous Lighting
- Customized Table Sizes
- Film Scanning / Capture Solutions
 - Custom & Specialized Targets
 - Book Scanner Form Factors
 - Oversized Targets

