Carnegie Mellon University
School of Art
Digital Print Studio Equipment and Capabilities

Self-Serve Printers:

Acetate Printer (Epson 7890) (24" max width): This black ink only printer is loaded with waterproof acetate, the ideal choice for printing film positives for use in screenprint and traditional photographic print processes. Paired with the AccuRIP software, this combination creates high-quality, dense halftone film positives that allow for clean exposures and easy printing. Students must log their film use. Bills for acetate use are sent at the end of the semester.

Small Format Laser Printer (Xerox Phaser 7100) (8.5" x 11" up to 11" x 17"): This small toner color printer is available for ART STUDENT use only. Students must provide their own paper for larger print jobs and be on site when printing. Excessively large print runs are not allowed, and the print technician reserves the right to refuse or cancel a job if deemed too excessive. This is a free service that should not be abused.

Risograph Printer (MZ1090U) (8.5" x 11" up to 11" x 17"): Somewhere between a photocopier and a screenprint, the Risograph allows for high-speed, high-output prints with a unique look. Each color is created from a master film with select areas punched out to allow ink to travel through, similar to a burned screen in the screenprinting process. Although limited to select colors, the Risograph can print two colors simultaneously from either a direct-bed scan, or uploaded from the computer. Students must have training on the Risograph before using it and must log their print use. Bills for Risograph use are sent at the end of the semester.

Restricted Printers

These printers are used when students "Request a Print Job" from the website. Technicians then print the submitted request and inform the student when their job is complete. For pricing and available papers see the Digital Print Studio pricing sheet on the School of Art website.

Epson 9900 (44" max width): Loaded with 11 different inks for the widest printable color gamut. Epson UltraChrome® HDR inks and MicroPiezo TFP™ print heads provide the highest level of precision, permanence, and resolution.

Epson Surecolor P20000 (64" max width): With the same precision as all Epson printers, the P20000 is capable of loading media up to 64" wide.

Roland Camm-1 Pro Vinyl Plotter (36" max width): Not a printer, but a plotter! Maps and contour cuts films, window tint, and vinyl for signs and adhesives. Contact Print Technician Kellie Hames (khames@cmu.edu) to see what vinyls are in stock.

Self-Serve Scanners

8.5" x 12" flatbed scanner
12" x 17" flatbed scanner (two scanners available)

Each scanner is capable of 2400ppi optical scanning. Film adapters available for each scanner.
Make sure your original material is clean and free of dust. Spray pencil or charcoal drawings with a fixative before scanning or use plexiglass or acrylic to sit between the scanner and your material if required. Contact Print Technician Kellie Hames (khames@cmu.edu) to schedule a training session if necessary.