# Who's Got What Gear?

| Institution | Contact | Equipment | Willing to Share Experience? | Willing to Share Expertise? | Willing to Share Equipment? | Willing to collaborate on format-based grants? | Last Updated |
|---|---|---|---|---|---|---|---|
| York University | Anna St. Onge, Nick Ruest | Scanners - Epson 10000XL (x4), BetterLight overhead scanner for maps/posters<br><br>Digitization suite for video - SAMMAsolo (underutilize)<br><br>Video- VHS, 1" Video Tape (BVH 2000), U-Matic<br><br>Audio - reel-to-reel: TASCAM-32, TEAC X300R, Philips N4504, Sony TC-630, Fostex A-series,<br><br>Audio- tape cassette: Nakamichi 681ZX<br><br>New media *creation* equipment (part of a new lab pilot project) including:<br><br>• VR headsets<br>• AV recording/editing equipment/software geared towards amateur users that can be lent out to York students/staff /community (mobile lighting kits, Zoom recorders, microphones, 360 cameras, etc.) | Yes | I'm not sure if we have any yet | Willing to host visitors - in-kind exchanges | YES! | |
| University of Toronto | Stephen Marks | Digital media - Kryoflux, FC5025, Modular write blocker kit (Firewire, SATA/IDE, USB, SAS) | Yes | Yes, such as it is | Yes, though Kryoflux has some licensing issues. We can chat. =) | 👍 | |
| Queen's University | Jeremy Heil | ARCHIVES<br><br>Scanners – Epson Perfection V750 Pro, Epson Perfection 4870 Photo, Fujitsu fi-4750C, Canon EOS 60D DSLR<br><br>Microfilm – ScanPro 2000 scanners (x2)<br><br>Video – VHS (x2), Beta (x2), U-Matic (x2), ½" Tape (Sony AV-3600), Video 8 (Sony EV-S350)<br><br>Video Digitization - BlackMagic Express, Miranda DV-Bridge Pro (Firewire), AV Tool Time Base Corrector, Sima Color Corrector<br><br>Audio – Reel-to-reel: Ballfinger M 063 H5 (3¼. 7½, 15 ips), ReVox B77, ReVox A77 (both play 3¼ and 7½ ips), Sony TC-270 (1 7/8 ips); Cassette (x2); Microcassette; TASCAM DA-20 DAT, Denon DP450USB Turntable (33, 45, 78 rpm)<br><br>Audio Digitization - Sound Devices MixPre II<br><br>USB peripheral drives – 3½" floppy, 5¼" floppy, iOmega Zip 250<br><br>Digital media - FRED, Tableau forensic bridge (USB3 write blocker)<br><br>LIBRARY<br><br>Scanners – Epson Perfection V600<br><br>Epson GT-15000<br><br>book2net Spirit<br><br>Konica Minolta MS6000 MKII microform scanner<br><br>ScanPro 2000 microform scanners (five)<br><br>ST 200-DFV digital microform scanner | Yes | Yes | Depends on the equipment (would require in-house use for some pieces - but we love having visitors!) | Yes | |
| Brock University | | | | | | | |
| Laurentian University | Dan Scott<br><br>Marthe Brown | Atiz Bookdrive Pro w/ Canon EOS 5D Mark II cameras<br><br>Microform - ScanPro 3000 scanner | Yes | I'm sure we have none | Maybe | Probably | 2020-05-14 |
| University of Guelph | Curtis Sassur | Epson Expression 10000 XL scanners, | | | | | |
| OCAD | Victoria Sigurdson | Scanners - Epson 10000XL X2, Epson V700 Photo, HPN9120 (high capacity document scanner, flatbed too) X2<br><br>Digitization suite for video (in progress)- MacPro, DeckLink Studio, UltraScope<br><br>Video- VHS X2 (JVC) , U-Matic X2, DVD X2 (Samsung), DV/Mini DV (JVC BR-DV3000U), Hi8 (Sony)<br><br>Audio- Cassette deck (Luxman K-111)<br><br>Cameras - Nikon DSLR X2 (D700, D200)<br><br>Copystand - Kaiser rePro<br><br>Photography equipment - lights, backdrop, reflectors, softboxes, tripod, etc. | Sure | Sure (we've been focused mainly on digitizing images and text) | Depends on equipment, loan duration, and local needs. | Yes (pending UL approval) | |

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| Ryerson | MJ Suhonos<br><br>Alison Skyrme | Epson Expression 10000 XL scanners<br><br>Audio cassette deck - harman kardon CD 191<br><br>Digital camera - Nikon D40 K1<br><br>Camera / Copy Stand Solution (30"x40") ; TT1 Work Station 3040 ; X71 Digital Camera 71 MP<br><br>"Viewscan III Digital viewer/scanner (includes universal carrier, USB3, 7x-105x lens, 14MP camera)"<br><br>Book2Net scanner | Yes | yes, to the extent that we have it. | Willing to host visitors - amenable to considering in-kind exchanges | Yes, pending approvals. | |
| McMaster University | Gabriela Mircea | Kirtas 2400-RA Robotic Scanner (Kirtas BSE, Kirtas KILTS, Kirtas OCR Manager)<br><br>Extra-wide format scanner SmartLF Gx+ T56 (Suitable For: Reprographics, Mapping & GIS, Aeronautics & Automotive And Other Over Size Large Format Documents)<br><br>Epson Expression 10000 XL scanners<br><br>Cannon ImageFormula DR-4010 scanner | Yes | Yes | Depends on the equipment | Yes | |
| Western University | Leanne Olson | Extra-wide format scanner SmartLF Gx+ T56<br><br>Epson Expression 10000 XL scanner<br><br>Atiz Bookdrive Mark II w/ Canon EOS 5D Mark IV cameras | Yes | Yes | Depends on equipment | Yes | 24-Jan-2020 |
| University of Windsor | Devon Mordell | (still in the inventory stage) | Yes | If we can contribute any, most certainly | Yes, if okay with making the trip to lovely Windsor | Yes - probably should mention the pending UL approval part as well | 7-Oct-2019 |
| Library and Archives Canada / Digipres Division | Tom Smyth | FRED x2<br><br>Archive-IT account holder since 2013<br><br>Extensive hardware museum for migrating legacy carriers<br><br>Lots of external encrypted USB drives/keys (FIPS)<br><br>TEMPEST and EMSEC equipment /expertise<br><br>Epson Expression 10000XL<br><br>Macs (Macbook Mini / Pro / Air)<br><br>Spinning up Preservica | Yes | Yes<br><br>(Digital government and private archives; digital library; Web Archiving Program; Digital Preservation Program; PAIMAS for records). | Willing to host visitors / send us your students! | Perhaps? If a federal body can be in-scope | 7-Oct-2019 |
| Trent University | Dwayne Collins | PhaseOne XF IQ1 60MP<br>• Lens: Schneider Kreuznach 80mm LS f/2.8<br><br>Nikon D7500<br>• AF-P DX NIKKOR 18-55mm f/3.5-5.6G VR<br>• AF Zoom-NIKKOR 70-300mm f/4-5.6G<br><br>Kaiser rePRO column and Hensel Expert D500 lights<br><br>2x IA Scribes<br><br>BlackMagic Intensity Shuttle USB 3.0<br><br>Focusrite Scarlett 6i6<br><br>Equipment is part of our Odette Critical Making Studio (Full list maintained at: https://www.trentu.ca/library/odette-critical-making-studio) | Yes | Yes | Willing to host visitors, possibly open to lending equipment for projects on ad hoc basis | Yes | 2021-06-24 |

## 2.Comparison of Scanner types in general

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|---|---|---|---|---|---|---|
| **Scanner type** | **Flatbed** | **Overhead** | **Drum** | **Slide/Film** | **Microfilm** | **Digital Camera** |
| **Unique feature** | | OCR (Optical Character Recognition) | | | | |
| **Sensor Technology*** | CCD/CIS | CCD | PMT | CCD | CCD | CCD/CMOS |
| **Media Types**** | R, T | R | R, T | T | T | R, T |
| **Tonal Range***** | B/W, G, C | B/W, G | G, C | G, C | B/W, G, C | G, C |
| **Typical Size Limitations (inches)** | 11x17<br>8.5x14 w/ADH****<br>8.5x11 low-end | <br>24x18<br> | 12x17 | 35mm, 4x5 | 35mm. Some handle 16mm & 105mm, fiche | None |
| **Resolution Range (dpi)** | 300-1200 | 300-600 | 1200-8000 | 1000-5000 | 5000-8500 | Pixel array: 1600x1200—12000x10000 |
| **Price Range (US$)** | 50-50,000+ | 35,000-100,000+ | 10,000-100,000+ | 500-30,000 | 40,000-250,000 | 200-40,000 |
| **Typical Use** | single leaf, bound volumes (overhead type) | oversize | pre-press | orig. slides, intermediates | film, fiche, aperture cards | bound volumes, 3-D, fragile, oversize |
| * CCD=Charge Coupled Devices; CIS=Contact Image Sensor; PMT=Photomultiplier Tube; CMOS=Complementary Metal Oxide Semiconductor | | | | | | |

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|---|---|---|---|---|
| ** R=Reflective; T=Transparent | | | | |
| *** B/W=Black and White; G=Grayscale; C=Color | | | | |
| ****ADH=Automatic Document Handler | | | | |

## Other University Libraries:

1. **McGill**:

| No. | Name | Price |
|---|---|---|
| 1 | **Kirtas KABIS I**<br><br>Page images are captured using the latest Canon 22MP cameras<br><br>in full 24 bit color in a fraction of a second; one for left-side pages and one for right-side pages.<br><br>The images can be captured at 325 dpi resolution with superior sharpness and excellent color fidelity.<br><br>**Comment :**<br><br>This scanner is very pricy and does not have a V-shaped glass. | blocked URL |
| 2 | Book2net V-Scan Cobra<br>• Parallel use of two high performance CCD sensors with 40 Megapixel<br>• High resolution of 300-800 ppi<br>• 0.3 sek. scanning time / dualpage<br>• 1.9 sek. processing time<br>• Optimized signal to noise relation for OCR recognition<br>• Need to have technicians come to adjust the cameras | blocked URL |