


# 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	<a href="#">Anna St. Onge</a> , <a href="#">Nick Ruest</a>	Scanners - <a href="#">Epson 10000XL</a> (x4), BetterLight overhead scanner for maps/posters  Digitization suite for video - SAMMASolo (underutilize)  Video- VHS, 1" Video Tape (BVH 2000), U-Matic  Audio - reel-to-reel: TASCAM-32, TEAC X300R, Philips N4504, Sony TC-630, Fostex A-series,  Audio- tape cassette: Nakamichi 681ZX  New media <i>creation</i> equipment (part of a <a href="#">new lab pilot project</a> ) including: <ul style="list-style-type: none"> <li>• VR headsets</li> <li>• 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.)</li> </ul>	Yes	I'm not sure if we have any yet	Willing to host visitors - in-kind exchanges	YES!	
University of Toronto	<a href="#">Stephen Marks</a>	Digital media - <a href="#">Kryoflux, FC5025</a> , 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	<a href="#">Jeremy Heil</a>	ARCHIVES  Scanners – Epson Perfection V750 Pro, Epson Perfection 4870 Photo, Fujitsu fi-4750C, Canon EOS 60D DSLR  Microfilm – ScanPro 2000 scanners (x2)  Video – VHS (x2), Beta (x2), U-Matic (x2), ½" Tape (Sony AV-3600), Video 8 (Sony EV-S350)  Video Digitization - BlackMagic Express, Miranda DV-Bridge Pro (Firewire), AV Tool Time Base Corrector, Sima Color Corrector  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)  Audio Digitization - Sound Devices MixPre II  USB peripheral drives – 3½" floppy, 5¼" floppy, iOmega Zip 250  Digital media - FRED, Tableau forensic bridge (USB3 write blocker)  LIBRARY  Scanners – Epson Perfection V600  Epson GT-15000  book2net Spirit  Konica Minolta MS6000 MKII microform scanner  ScanPro 2000 microform scanners (five)  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	<a href="#">Dan Scott</a>  <a href="#">Marthe Brown</a>	Atiz Bookdrive Pro w/ Canon EOS 5D Mark II cameras  Microform - ScanPro 3000 scanner	Yes	I'm sure we have none	Maybe	Probably	2020-05-14
University of Guelph	<a href="#">Curtis Sassur</a>	Epson Expression 10000 XL scanners,					

OCAD	<a href="#">Victoria Sigurdson</a>	<p>Scanners - Epson 10000XL X2, Epson V700 Photo, HPN9120 (high capacity document scanner, flatbed too) X2</p> <p>Digitization suite for video (in progress)- MacPro, DeckLink Studio, UltraScope</p> <p>Video- VHS X2 (JVC) , U-Matic X2, DVD X2 (Samsung), DV/Mini DV (JVC BR-DV3000U), Hi8 (Sony)</p> <p>Audio- Cassette deck (Luxman K-111)</p> <p>Cameras - Nikon DSLR X2 (D700, D200)</p> <p>Copystand - Kaiser rePro</p> <p>Photography equipment - lights, backdrop, reflectors, softboxes, tripod, etc.</p>	Sure	Sure (we've been focused mainly on digitizing images and text)	Depends on equipment, loan duration, and local needs.	Yes (pending UL approval)	
Ryerson	<a href="#">MJ Suhonos</a> <a href="#">Alison Skyrme</a>	<p>Epson Expression 10000 XL scanners</p> <p>Audio cassette deck - harman kardon CD 191</p> <p>Digital camera - Nikon D40 K1</p> <p>Camera / Copy Stand Solution (30"x40") ; TT1 Work Station 3040 ; X71 Digital Camera 71 MP</p> <p>"Viewscan III Digital viewer/scanner (includes universal carrier, USB3, 7x-105x lens, 14MP camera)"</p> <p>Book2Net scanner</p>	Yes	yes, to the extent that we have it.	Willing to host visitors - amenable to considering in-kind exchanges	Yes, pending approvals.	
McMaster University	<a href="#">Gabriela Mircea</a>	<p>Kirtas 2400-RA Robotic Scanner (Kirtas BSE, Kirtas KILTS, Kirtas OCR Manager)</p> <p>Extra-wide format scanner SmartLF Gx+ T56 (Suitable For: Reprographics, Mapping &amp; GIS, Aeronautics &amp; Automotive And Other Over Size Large Format Documents)</p> <p>Epson Expression 10000 XL scanners</p> <p>Cannon ImageFormula DR-4010 scanner</p>	Yes	Yes	Depends on the equipment	Yes	
Western University	<a href="#">Leanne Olson</a>	<p>Extra-wide format scanner SmartLF Gx+ T56</p> <p>Epson Expression 10000 XL scanner</p> <p>Atiz Bookdrive Mark II w/ Canon EOS 5D Mark IV cameras</p>	Yes	Yes	Depends on equipment	Yes	24-Jan-2020
University of Windsor	<a href="#">Devon Mordell</a>	(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	<a href="#">Tom Smyth</a>	<p>FRED x2</p> <p>Archive-IT account holder since 2013</p> <p>Extensive hardware museum for migrating legacy carriers</p> <p>Lots of external encrypted USB drives/keys (FIPS)</p> <p>TEMPEST and EMSEC equipment /expertise</p> <p>Epson Expression 10000XL</p> <p>Macs (Macbook Mini / Pro / Air)</p> <p>Spinning up Preservica</p>	Yes	Yes  (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	<a href="#">Dwayne Collins</a>	<p>PhaseOne XF IQ1 60MP</p> <ul style="list-style-type: none"> <li>Lens: Schneider Kreuznach 80mm LS f/2.8</li> </ul> <p>Nikon D7500</p> <ul style="list-style-type: none"> <li>AF-P DX NIKKOR 18-55mm f/3.5-5.6G VR</li> <li>AF Zoom-NIKKOR 70-300mm f/4-5.6G</li> </ul> <p>Kaiser rePRO column and Hensel Expert D500 lights</p> <p>2x IA Scribes</p> <p>BlackMagic Intensity Shuttle USB 3.0</p> <p>Focusrite Scarlett 6i6</p> <p>Equipment is part of our Odette Critical Making Studio (Full list maintained at: <a href="https://www.trentu.ca/library/odette-critical-making-studio">https://www.trentu.ca/library/odette-critical-making-studio</a>)</p>	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

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		12x17	35mm, 4x5	35mm. Some handle 16mm & 105mm, fiche	None
	8.5x14 w/ADH****	24x18				
	8.5x11 low-end					
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						
** 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	<p><b>Kirtas KABIS I</b></p> <p>Page images are captured using the latest Canon 22MP cameras in full 24 bit color in a fraction of a second; one for left-side pages and one for right-side pages.</p> <p>The images can be captured at 325 dpi resolution with superior sharpness and excellent color fidelity.</p> <p><b>Comment :</b></p> <p>This scanner is very pricy and does not have a V-shaped glass.</p>	
2	<p><b>Book2net V-Scan Cobra</b></p> <ul style="list-style-type: none"> <li>• Parallel use of two high performance CCD sensors with 40 Megapixel</li> <li>• High resolution of 300-800 ppi</li> <li>• 0.3 sek. scanning time / dualpage</li> <li>• 1.9 sek. processing time</li> <li>• Optimized signal to noise relation for OCR recognition</li> <li>• Need to have technicians come to adjust the cameras</li> </ul>	