

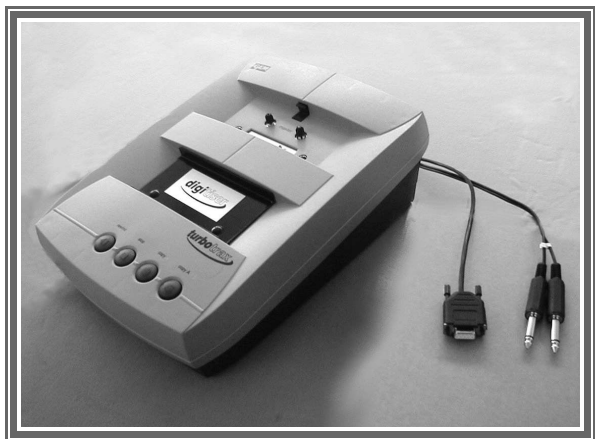
# NEED TO DIGITISE YOUR AUDIO CASSETTE LIBRARY?

## Graff *digitiser* is the Answer

Graff supply a Master only cassette deck operating at 8 x speed, an approved sound card and user friendly software for your computer.

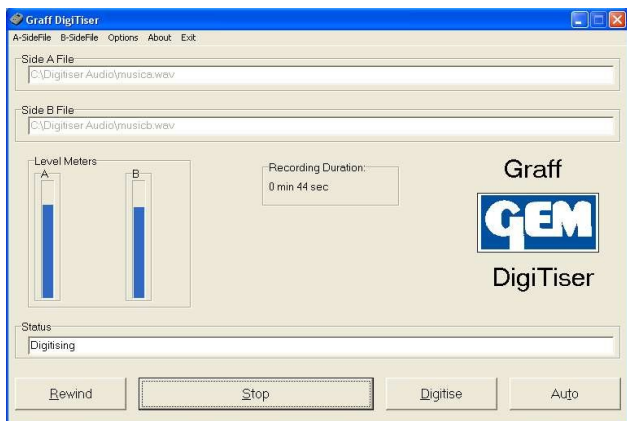
With the use of a sound card, analogue audio from the cassettes is converted to digital format. Digital audio does not deteriorate with use, so is ideal for archiving and as a source for duplicating to CDs, DVDs or cassette tapes.

-----Simple as 1-2-3-----



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**Name the Files for A Side and B Side and Push Auto**



### Benefits:

- Preserve your audio library
- No degradation of master
- Save space and time
- Simple storage and selection of master for duplication
- Cost effective
- Simple to operate and maintain
- Duplicate to Tape or CD/DVD
- Distribute in the format of your choice

### Features:

- Simple software user interface for use with Graff specified soundcard
- GEM Master cassette deck controlled via PC serial COM port.
- Master cassette decks digitise at 8 x speed.
  - 8 x speed produces 22050 samples per second taking approx. 6 minutes for a C90 cassette
  - Built in sample rate conversion software gives the option of 44100 samples per second to allow files to be burnt to audio CD.
- Simultaneous digitising of sides A and B
- Digitised audio saved as wave files
- Mono or Stereo versions available

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**Plug Digitiser into PC, Insert Master Cassette - up to C90**



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**After 6 minutes Start Digitizing the Next Cassette**

# GRAFF OF NEWARK LTD

Woodhill Road, Collingham, Newark NG23 7NR. United Kingdom

Telephone: +44(0)1636 893036 Fax: +44(0)1636 893317

email: sales@graffofnewark.co.uk website: <http://www.graffofnewark.co.uk>

# Technical Specifications GEM Digitiser

Cassette Master Unit	Mono	Stereo	4 Track - For half speed Library cassettes
Digitise speed	41.325cm/s (8.7x speed)	41.325cm/s (8.7x speed)	41.325cm/s (8.7x speed)
Rewind time (C60)	Approx 35s	Approx 35s	Approx 35s
Track Configuration	1/2 track 2 channel	1/4 track 4 channel	1/4 track 4 channel
Frequency response	50Hz to 10kHz	50Hz to 10kHz	50Hz to 6kHz
Equallisation	Type 1 Ferric	Type 1 Ferric	Type 1 Ferric
Signal to noise ratio	45dB	45dB	45dB
Crosstalk rejection typically @1kHz	50dB	50dB	50dB all channels
Distortion typically @ nominal level	<1% (1kHz) THD	<1% (1kHz) THD	<1% (1kHz) THD
Wow and flutter (WRMS)	<0.2%	<0.2%	<0.2%
Record level from 0dB on tape	- 8dB	- 8dB	- 8dB
Power Consumption	Approx 30W	Approx 30W	Approx 30W
Power Requirements	230V 50Hz/120V 60Hz	230V 50Hz/120V 60Hz	230V 50Hz/120V 60Hz
Dimensions mm	243x344x125	243x344x125	243x344x125
<b>Software</b>			
Sample rate @ 41.325cm/s (8.7x speed)	192000	192000	192000
Sample rate @ Real-time	22050	22050	11025
File format	.wav format (uncompressed) one file for each side	.wav format (uncompressed) one file for each side	.wav format (uncompressed) four individual files
Upsample	22050 to 44100	22050 to 44100	N/A
Deck control interface	Serial (COM) port	Serial (COM) port	Serial (COM) port
<b>Computer minimum Requirements</b>			
<b>IBM PC or compatible Windows XP / Vista / Windows 7</b>			
Processor	Intel Celeron 2.0GHz	Intel Celeron 2.0GHz	Intel Celeron 2.0GHz
Memory	256MB	256MB	256MB
PCI	1 free full height slot	2 x free full height slots	2 x free full height slots
Multimedia	CD ROM Drive	CD ROM Drive	CD ROM Drive
Hard Disk Drive	1GB free space minimum	1GB free space minimum	1GB free space minimum
Communication	COM port or USB to serial adapter	COM port or USB to serial adapter	COM port or USB to serial adapter
<b>Laptop Widows XP / Vista / Windows 7</b>			
Processor	Intel Celeron 2.0GHz	Intel Celeron 2.0GHz	Intel Celeron 2.0GHz
Memory	256MB	256MB	256MB
USB	1 (2 if USB to serial adapter used)	2 (3 if USB to serial adapter used)	2 (3 if USB to serial adapter used)
Multimedia	CD ROM Drive	CD ROM Drive	CD ROM Drive
Hard Disk Drive	1 GB free space minimum	1 GB free space minimum	1 GB free space minimum

Whilst every care is taken in the preparation of this leaflet, Graff accept no responsibility for omissions or errors. We also reserve the right to amend or delete without prior notification.