

# **Manman to Microsoft Toolbox**

## **User Manual**

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## Manman to Microsoft Toolbox

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## Manman to Microsoft Toolbox Features

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The Manman to Microsoft Toolbox is designed to help your company with your data extraction, data conversion, and archiving requirements. It provides you with two easy to use functions:

- 1) A high-speed Manman to flat delimited file extract process.
- 2) An automatic Microsoft Access (or Excel) import routine.

Here is how it works....

You run a utility on the HP3000, and all or a selected portion of your Manman data is converted to flat ASCII delimited text files. The files are easily downloaded from your HP3000 to your Windows platform.

We provide you with a Windows program that you launch on your PC, which automatically reads the files and builds a replica of the Manman databases in Microsoft Access. All with a few clicks of your mouse. The file names, field names, date reformatting, and data integrity is built in.

The Access databases are as close to the 'same format' as the native Image databases in Manman. Just one way of trying to keep things consistent. A user can pick up the Manman database guide and still have a reference as to where the data is, and what it means.

The delimited files you create can also be imported into Excel, SQL, or other Windows databases and tools.

### Benefits of the Manman to Microsoft Toolbox:

- Easy Extract Capability - A typical data migration calls for moving Manman information from the HP3000 to a new server. This product will save time in formatting the hundreds of fields, dates, and files in the Manman Image databases into an ASCII delimited format.
- Easy Import Capability - The delimited files are automatically converted into a complete MS Access Database, or another data format. You can create your own extracts, filter, view, do custom reporting, etc.
- Archive and Inquire upon your Manufacturing Transaction Logs Transaction Log records are not easily read, reformatted, and archived. The Manman to Microsoft Toolbox accomplishes this, and calculates and stores monthly Usage information for each part. Don't purge your transaction log records - move them to a Windows platform.

## Installation Instructions

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- 1) Restore the files from the tape on to your HP3000 system. Log on as MANAGER.SYS and enter the file equation:

```
FILE T; DEV=TAPE
```

Restore the tape by entering the command:

```
RESTORE *T; @. SUMMIT. MMV110; SHOW; CREATE
```

This presumes you are running Manman release 11. If you are running a different Manman release substitute MMV110 for the account your code resides in (ie. MMV090) for the remainder of the installation instructions.

- 2) Grant the MMV110 Account the capabilities it needs for the extract programs to run.

```
:ALTACCT MMV110; CAP=+PM
```

- 3) Grant the SUMMIT group the capabilities it needs for the extract programs to run.

```
:ALTGROUP SUMMIT. MMV110; CAP=IA, BA, MR, DS, PH, PM; ACCESS=(R, W, A, L, X, S: ANY)
```

- 4) Understanding where the Extract Files will be Created.

When you run the extract processes on the HP3000, the files are created in your home (or local) group.

Although you do not have to, it is recommended you create a separate group on the HP3000 for the different sets files are created. The Manman to Microsoft Toolbox consists of 7 distinct extracts.

Manman to Microsoft Toolbox Manufacturing

1. MANUFACTURING (MANDB/RESDB)
2. PURCHASING (PURDB/VNDDDB)
3. TRANSACTION LOGS

Manman to Microsoft Toolbox Omar and Financials

4. OMAR (FINDB/TABDB)
5. SHIPPING HISTORY (HISDB)
6. ACCOUNTS PAYABLE (PAYDB/VNDDDB)
7. GENERAL LEDGER (GLDB)

The Group names (directories) on the HP3000 that we recommend that you create and will be using through this manual are as follows:

1. MGFILES (manufacturing)
2. PUFILES (purchasing)
3. TLFILES (transaction logs)
4. OMFILES (omar)
5. HSFILES (shipping history)
6. APFILES (accounts payable)
7. GLFILES (general ledger)

To create these Groups, Logon to the Account your Manman databases reside in. For example,

```
:HELLO USERNAME.MANMAN
```

Then issue the following command to build your Groups

```
:XEQ BLDGROUP.SUMMIT.MMV110
```

The BLDGROUP command file executes the 7 statements below. If you want your extract files created in different Groups, or on specific HP3000 volume sets do the NEWGROUP commands manually.

```
:NEWGROUP MGFILES; ACCESS=(R,W,A,L,X,S: ANY)  
:NEWGROUP PUFILES; ACCESS=(R,W,A,L,X,S: ANY)  
:NEWGROUP TLFILES; ACCESS=(R,W,A,L,X,S: ANY)  
:NEWGROUP OMFILES; ACCESS=(R,W,A,L,X,S: ANY)  
:NEWGROUP HSFILES; ACCESS=(R,W,A,L,X,S: ANY)  
:NEWGROUP APFILES; ACCESS=(R,W,A,L,X,S: ANY)  
:NEWGROUP GLFILES; ACCESS=(R,W,A,L,X,S: ANY)
```

## Running the Manman Extract Processes

The purpose of this section is to give you a general overview of the Manman extract processes on the HP3000.

Here are some things to know before you run the extract programs.

- 1) The Extract programs are designed to be run from the colon prompt. There are 2 extract programs:

```
: RUN EXTRACTM. SUMMIT. MMV110      (Manufacturing)
: RUN EXTRACTF. SUMMIT. MMV110      (Omar and Financials)
```

- 2) Each Extract program creates a series of flat ASCII files on the HP3000. The flat files created are named the same as the dataset they are derived from. For example, here are the files created by the Manufacturing database extract.

```
: CHGROUP MGFILLES
: LISTF
```

### FILENAME

ACCTXREF	ASSEMB	CCFIL	DEPTREC	DFACFIL	ECOCMT
ECOMAS	ECOREC	EXTDFIL	FAMLNK	IM	INTFIL
INVFIL	INVLMAS	LDFIL	MPSPLAN	MRPPLAN	NCFIL
ODF	OWOF	PSF	TCFIL	TRFIL	WCFIL
WOSHT	WOTR				

- 3) Each extract file will contain 'every' field in the dataset. This will allow you to continue to use your Manman database guide as a reference for where the field resides and what its definition is.
- 4) The extract files created will reside in your local Group on the HP3000. Therefore, it is recommended that you log on in a Group that is empty, and specific to where you want the files to reside. This will help you with your file transfer to the Windows platform. For example,

```
: CHGROUP MGFILLES -or- : HELLO MANAGER. ACCOUNT, MGFILLES
: PURGE @
: RUN EXTRACTM. SUMMIT. MMV110
```

## Manman to Microsoft Toolbox Manufacturing

The EXTRACTM program is used to create flat ASCII files from the Manman Manufacturing module. Before executing the EXTRACTM program, it is recommended that you log on to a Group on the HP3000 that is empty. For example:

```
:CHGROUP PUFILES
:RUN EXTRACTM.SUMMIT.MMV110
```

The EXTRACTM program will allow you to select 'all' of your Manufacturing records or a subset of your Manufacturing records. It is recommended that you work with a subset of your Manufacturing data initially, until you have your extract, file transfer, and Windows Import processes working effectively.

A subset of the Manufacturing (MANDB) records can be extracted based on an Item Master Class Code. This can be either class code group 1,2,3 or 4. Upon selecting the Item Master records associated with the class code, additional item master records may also be included that have the following attributes:

- 1) Have a bill of material relationship with the original item master records selected.
- 2) Are associated with work order records that the original item master records selected also are.

A subset of the Purchasing (PURDB) records can be extracted based on purchase order date entered. You will be allowed to enter a 'start' and 'end' date for purchase orders added.

A subset of the Transaction Log records, can be extracted based on the standard Manman Transaction Log selection of date or Transaction Log file name/number.

## Prompts

The following are the prompts in the EXTRACTM process.

```
WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:
1.  MANUFACTURING (MANDB/RESDB)
2.  PURCHASING   (PURDB/VNDDDB)
3.  TRANSACTION LOGS
OPTION(1)?
```

After answering the prompt above, you will be asked where the Manufacturing database resides. This prompt will not appear if you have previously logged on to Manman during your session, as you will have a JCW set and it will 'know' what Manman

database you are using.

MANUFACTURING DATA BASE NUMBER ( 0)?

Answer with a value between zero and 99.

If you selected extract option 1, Manufacturing, the following prompt will appear:

CLASS CODE OPTION:

1. EXTRACT ALL CLASS CODES
2. EXTRACT A SELECTED CLASS CODE OPTION(2)?

Select option 1 to extract the 'entire' Manman Manufacturing database. Be advised that the 'all class codes' option will have a tangible run time.

If you choose option 2, to select a subset of records based on Item Master Class Code, the following prompts will appear:

SELECT PARTS BASED ON WHICH CLASS CODE GROUP (1, 2, 3, 4)?  
Answer with a value between 1 and 4.

CLASS CODE?

Enter a valid item master class code.

If you selected extract option 2, Purchasing, the following prompt will appear:

PURCHASE ORDER DATE OPTION:

1. EXTRACT ALL PURCHASING DATA RECORDS
2. EXTRACT PURCHASE ORDERS ADDED DURING A RANGE OF DATES OPTION(2)?

Select option 1 to extract the 'entire' Manman Purchasing database.

If you choose option 2, the following prompts will appear:

ENTER BEGINNING PURCHASE ORDER ADD DATE IN (YYYYMMDD) FORMAT?  
ENTER ENDING PURCHASE ORDER ADD DATE IN (YYYYMMDD) FORMAT?  
Enter a range of dates in YYYYMMDD. The selection is made on the POADD date field in the POMAS dataset.



If you selected extract option 3, Transaction Logs, the following prompts will appear:

CALCULATE MONTHLY PART USAGE AFTER EXTRACTING  
THE TRANSACTION LOGS (N)? \*

One of the benefits to the Transaction Log extract function is that an additional extract file can be created which will store a monthly record (January to December) for 4 years on what a part's usage is. By responding "Y" to the prompt above, an additional process to build this file will be launched at the conclusion of extracting and reformatting the transaction log records.

SELECT TRANSACTION LOGS:  
1. BY DATE RANGE  
2. CURRENT TRANSACTION LOG  
3. BY NAME (ENTER ? TO LIST)  
OPTION(1)?

If you enter a question mark '?', all of the transaction log files that appear in your manufacturing data base will be listed on the screen. The transaction log file names, the date of the first transaction, last transaction, and whether the transaction log has been posted to the general ledger (MG, UT, 555) will be displayed.

If you choose option number 1 the following two prompts appear:

BEGINNING DATE?  
ENDING DATE?

Upon entering a date range, the first and last record of the transaction log files in your manufacturing data base group are retrieved and the program determines the number of transaction log files to read.

If you choose option number 2, then only the current transaction log file is read.

If you choose option number 3, then all of the transaction file names are listed on the screen. You will be allowed to enter the beginning and ending range of the numbers assigned to the transaction log file names. This is the same criteria used by UT, 801 and the other transaction log inquiry programs in Manman.

If you choose to create the monthly part usage file, the following prompt will appear:

ENTER THE YEAR OF THE MOST RECENT DATA EXTRACTED (YYYY)?

This prompt is used to align the usage numbers properly in the usage record. Enter the year of the most recent transaction log record that was included in your extract.

At this point, the extract programs will run and display progress messages for the major datasets being extracted. The Transaction Log extract will display progress after every 2500 records read.

## Manman to Microsoft Toolbox

### Omar, Shipping History, and Financials

The EXTRACTF program is used to create flat ASCII files from the Manman OMAR, Accounts Payable, and General Ledger modules. Before executing the EXTRACTF program, it is recommended that you log on to a Group on the HP3000 that is empty. For example:

```
:CHGROUP OMFILES
:RUN EXTRACTF.SUMMIT.MMV110
```

The EXTRACTF program will allow you to select 'all' of your OMAR records or a subset of your OMAR records. It is recommended that you work with a subset of your OMAR data initially, until you have your extract, file transfer, and Windows Import processes working effectively.

A subset of the OMAR (FINDB) records can be extracted based on the Product Master records Product Type. The data from the Shipping History database, may also be extracted for a selected Product Type.

The Accounts Payable and General Ledger extracts do not have the capability to select a subset of the information. All of the Accounts Payable database and General Ledger database is extracted by these two processes.

### Prompts

The following are the prompts in the EXTRACTF process.

WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:

1. OMAR (FINDB/TABDB)
2. SHIPPING HISTORY (HI SDB)
3. ACCOUNTS PAYABLE (PAYDB/VNDDDB)
4. GENERAL LEDGER (GLDB)

OPTION(1)?

The EXTRACTF program allows you to do 4 different extracts.

If you select extract option 1, OMAR, the following prompt will appear:

PRODUCT TYPE OPTION:

1. EXTRACT ALL PRODUCT TYPES
2. EXTRACT A SELECTED PRODUCT TYPE

OPTION(1)?

Select option 1 to extract the 'entire' OMAR database. Be advised that the 'all product type' option will have a tangible run time.

Both option 1 and 2 will prompt for the database number to extract the records from

OMAR DATA BASE NUMBER ( 0)?

Answer with a value between zero and 99.

If you choose option 2, to select a subset of records based on Product Master Product Type, the following prompts will appear:

PRODUCT TYPE?

Enter a valid Product Master Product Type. Only sales order and accounts receivable activity associated with this product type will be extracted.

If you select extract option 2, Shipping History, the following prompt will appear:

PRODUCT TYPE OPTION:

1. EXTRACT ALL PRODUCT TYPES
  2. EXTRACT A SELECTED PRODUCT TYPE
- OPTION(1)?

Select option 1 to extract the 'entire' Shipping History database. Be advised that the 'all product type' option will have a tangible run time.

Both option 1 and 2 will prompt for the database number to extract the records from

OMAR DATA BASE NUMBER ( 0)?

Answer with a value between zero and 99.

If you choose option 2, to select a subset of records based on Product Master Product Type, the following prompts will appear:

PRODUCT TYPE?

Enter a valid Product Master Product Type. Only shipments associated with this product type will be extracted.

If you select extract option 3, Accounts Payable, the following prompt will appear:

ACCOUNTS PAYABLE DATA BASE NUMBER ( 0)?

Enter a value between 0 and 99. The entire Accounts Payable database will then be extracted.

If you select extract option 4, General Ledger, the following prompt will appear:

General Ledger DATA BASE NUMBER ( 0)?

Enter a value between 0 and 99. The entire General Ledger database will then be extracted.

At this point the extract programs will run and display progress messages for the major datasets being extracted.

## Names of the Extract Files Created

As mentioned earlier, the goal of the extract processes was to incorporate the same file names and field names so that the data elements are easily identified by using the Manman database guides. A PDF copy of the Manman release 11 database guides are included on your CD.

The extracts will also consolidate two Manman databases into one extract process when there are dependencies and it is sensible to do so. For example:

- 1) The Manufacturing extract exports data from both the MANDB and RESDB databases. The RESDB dataset contains ECO information associated with bills of material.
- 2) The Purchasing extract exports data from both the purchasing database PURDB and the Vendor database VNDDB.
- 3) The Transaction Log extract exports a subset of Item Master information from MANDB so that the user can create inquiries containing part descriptions and other Item Master elements while viewing Transaction Log records or Usage information.

The Transaction Log extract also creates a file that contains 48 individual months of Usage for each part number. The Transaction Log Extract files and fields are documented in the Transaction Log extract section of this manual.

- 4) The OMAR Extract exports data from both the FINDB and TABDB (Tables) databases.
- 5) The Shipping History Extract exports data from HISDB, but also exports:
  - a) A subset of information on Ship-to customers from CUSFIL of FINDB so that customer names, and cities, can be associated with Shipping History Inquiries. This extract file is SHPHIS.
  - b) A subset of information on Product Masters records from PROMAS of FINDB so that product descriptions, and units of measure can be incorporated. This extract file is CUSHIS.
  - c) A subset of information on Item Masters records from IM of MANDB to include Part descriptions.
- 6) The Accounts Payable extract exports data from both the A/P database PAYDB and the Vendor Master VNDMAS from the Vendor database VNDDB.

The HP3000 extract processes (EXTRACTM and EXTRACTF) create one flat ASCII file for each dataset in the database being extracted. The Extract File Names created by each of the 7 extract processes are listed below. These files can all be referenced in the Manman database guides included on your CD.

I) Manman to Microsoft Tool box Manufacturing

A. MANUFACTURING (MANDB/RESDB)

: CHGROUP MGFILES  
: LISTF

FILENAME

ACCTXREF	ASSEMB	CCFIL	DEPTREC	DFACFIL	ECOCMT
ECOMAS	ECOREC	EXTDFIL	FAMLNK	IM	INTFIL
INVFIL	INVLMS	LDLIL	MPSPLAN	MRPPLAN	NCFIL
ODF	OWOF	PSF	TCFIL	TRFIL	WCFIL
WOSHT	WOTR				

B. PURCHASING (PURDB/VNDDDB)

: CHGROUP PUFILS  
: LISTF

FILENAME

CONFIL	IM	IRCHFIL	PODSFIL	POFIL	POMAS
POMMFI L	PRAFIL	PRAHFIL	PRDSFIL	PRHFIL	PRLFIL
PRXFIL	RCHSFIL	REASMAS	RECNMAS	SHPFIL	SNFIL
SNPOFIL	TERMMAS	V1099FIL	VNCRFIL	VNDMAS	VNDSFIL

C. TRANSACTION LOGS

: CHGROUP TLFILS  
: LISTF

FILENAME

IM	ORDERFIL	TLOGFIL	TLUSAGE
----	----------	---------	---------

II) Manman to Microsoft Tool box Omar and Financials

A. OMAR (FINDB/TABDB)

: CHGROUP OMFILS

: LISTF

FILENAME

AI FIL	ARFIL	BILMAS	CHAFIL	CI AFIL	CIDFIL
CMFIL	COMFIL	CRFIL	CURPRFIL	CUSFIL	CUSTMAS
FCMAS	FRTMAS	FTN08	GLDFIL	GLMAS	HLDMAS
IM	INFIL	OPSFIL	OPTCHG	OPTFIL	PRDPCFIL
PRI FIL	PROHIS	PTMAS	PYTMAS	REMAS	RMTMAS
SALMAS	SCTMAS	SERFIL	SHDFIL	SHI PFIL	SHPHIS
SIFIL	SMFIL	SODFIL	SOEFIL	STFIL	TAXMAS
TOPFIL					

## B. SHIPPING HISTORY (HISDB)

: CHGROUP HSFILES

: LISTF

FILENAME

IM	OPSFIL	PROHIS	SERFIL	SHDFIL	SHI PFIL
SHPHIS					

## C. ACCOUNTS PAYABLE (PAYDB/VNDDDB)

: CHGROUP APFILES

: LISTF

FILENAME

BATCHMAS	BNKMAS	CKCFIL	CKFIL	DEFACMAS	INRCTFIL
PADFIL	PDVCHFIL	PGLMAS	PRJMAS	TERMMAS	VATFIL
VATMAS	VCHFIL	VCHFIL	VNDMAS		

## D. GENERAL LEDGER (GLDB)

: CHGROUP GLFILES

: LISTF

FILENAME

ACMFIL	ADUFIL	ALFFIL	ALHFIL	ALTFIL	AMTFIL
ATVMAS	BASFIL	BATMAS	BDUFIL	BUDFIL	BUDMAS
CLRMAS	COMMAS	GLPFIL	JDUFIL	JETFIL	JVFIL
JVMAS	PRJTMS	RATFIL	RDUFIL	RPTMAS	TCMFIL
TRAMAS	VPRFIL				



## The Format of the Extract Files Created

This section describes the how the data elements (Fields) from the Manman system are formatted in the Extract files.

### The Delimiter

Each data element is delimited (separated) by the Bar character. This is often referred to as the "pipe" character.

An example of how the Bar is used to separate each field is shown below. This is the OMAR payment terms file (PYTMAS of TABDB).

: PRINT PYTMAS.OMFILES

00001	NET 30 DAYS	00035	00000	00000000.000
00002	NET 60 DAYS	00065	00000	00000000.000
00003	NET 90	00095	00000	00000000.000
00004	1% 10/NET 30	00037	00016	00000000.10
00005	1% 10/NET 60	00065	00016	00000000.10
00006	1% 10/NET 90	00095	00016	00000000.10
00007	2% 10/NET 30	00035	00016	00000000.20
00009	2% 10/NET 90	00095	00016	00000000.20
00010	2% 45/NET 60	00065	00045	00000000.20

### Dates

All of the dates in the Manman system have been identified. The extract programs convert the date from proprietary Manman format to the standard YYYYMMDD format in the extract files created.

### Numeric Fields

There are 4 different types of numeric fields in the Manman system.

- 1) Integers - numbers ranging from 0 to 32767. Integers are formatted as 5 digit numbers in the extract files. The exception to this rule are integers for dates which are converted to YYYYMMDD format.
- 2) Double Integers - these represent whole numbers with values exceeding 32767. Double integers are formatted as 8 digit numbers in the extract files.
- 3) Real Numbers and Double Real Numbers - these are floating numbers (numbers containing decimal values). The real numbers are in the extract file with a length of 12 bytes, contain a period, and have 2 or 3 decimal positions. For example: 12345678.123

## The Format of the Transaction Log Extracts

The Transaction Log Extracts differ slightly from Transaction Log file format in the Manufacturing database guide. This was done to facilitate better inquiry capabilities by order (purchase order, work order, sales order) number. There are 4 extract files. The primary file containing the transaction log record itself is named TLOGFIL.

If you will be using the Monthly Part Usage capability of the product, that file holds 48 months of Usage information. Therefore, it is recommended that you extract Transaction Log information in 4 year or less increments. 1 year, 2 year, or 3 year blocks of Transaction Log data work well also.

### IM - Item Master Table

A subset of the MANDB Item Master IM table to facilitate reporting.

ITNO	A18	Part Number (key)
CCODE	I1	Group 1 Class Code.
REV	A2	Revision Level.
DESC	A30	Part Description.
UOM	A2	Stocking Unit Of Measure.
INLOC	A10	Prime Inventory Location.
SCODE	A2	Source Code
BCODE	A2	Buyer or Planner Code.
FLTIME	I1	Fixed Lead Time.
GLACCT	A24	Primary General Ledger
VCODE	A10	Prime Vendor Code.
PRUOM	A2	Purchasing Unit Of Measure.
PLANCODE	A2	Planner.
CONVFACT	R2	Conversion Factor
CLCOD2	I1	Group 2 Class Code.
CLCOD3	I1	Group 3 Class Code.
CLCOD4	I1	Group 4 Class Code.

### ORDERFIL - Order Table

This table facilitates "keyed" reads into the transaction log data by work order number, sales order number, purchase order number, or material requisition number.

ORDERNO	A10	links to TLWOPO of TLOGFIL (key)
ORDDOCTYP	A2	document type WO, SO, PO, or MR
ORDVCNO	A10	Ship-to Customer Number or Vendor Number
ORDVCNAME	A30	Customer Name or Vendor Name
ORDADDDAT	A8	date order added.

TLOGFIL - Transaction Log File

TLPARTNO	Part Number	A18	(key)	
TLWOPO	Order Number	A10	(key)	
TLDOCTYP	Document Type	A2	- TLWOPO represents a work order number "WO", sales order number "SO", purchase order number "PO", or material requisition number "MR"	
TLWOPN	Work Order Part Number.	A18		
TLSCRWC	Work Center (scrap transactions).	A6		
TLSCROP	Operation Sequence (scrap transactions).	I1		
TLSCRPC	Percent of Labor Last Operation (scrap transactions).	I1		
TLREFNO	Reference Number.	A10	Receiver or Material Requisition	
TLFLOC	Inventory Location from which Parts are Moved.	A10		
TLFLOT	Inventory Lot from Which Parts are Moved.	A18		
TLFQTY	The Balance of Parts at the Inventory Location/Lot From Which Parts are Moved.	R2		
TLTLOC	Inventory Location to which Parts are Moved.	A10		
TLTLOT	Inventory Lot to which Parts are Moved.	A18		
TLTQTY	The Balance of Parts at the Inventory Location/Lot to which Parts are Moved.	R2		
TLQNTY	Quantity of the Part Issued, Received, or Scrapped.	R2		
TLQOH	Nettable Quantity On Hand After Update	R2		
TLDR	Debit Account Number	A24		
TLCR	Credit Account Number.	A24		
TLDAT	The Date the Transaction is Logged	A8		
TLTIME	The Time the Transaction is Logged	A8		
TLUSRDAT	The User Entered Date	A8		
TLUSER	Log-on Name.	A8		
TLCMDNUM	Command Number.	A6		
TLUCST	Unit Value	R4		
TLEXTCST	Extended Unit Cost.	R4		
TLMCST	Material Cost.	R4		
TLCSTMBFS	Material Overhead Cost .	R2		
TLLABCST	Assembly Labor Cost.	R4		
TLCSTSAB	in Assembly Fixed Overhead Cost.	R2		
TLCSTA02S	Assembly Variable Overhead Cost.	R2		
TLCSTA03S	Assembly Third Overhead Cost.	R2		
TLOUTLAB	Assembly Outside Processing Cost.	R2		
TLCSTCMOS	Assembly Outside Processing Overhead Cost.	R2		
TLULAB	Component Labor Cost.	R4		
TLCSTSCB	in Component Fixed Overhead Cost.	R2		
TLCSTC02S	Component Variable Overhead Cost.	R2		
TLCSTC03S	Component Third Overhead Cost.	R2		
TLCSTCOPS	Component Material Overhead Cost.	R2		
TLCSTCOP0S	Component Outside Processing Cost.	R2		
TLCSTOPBFS	Component Outside Processing Overhead Cost.	R2		
TLSCPREA	Scrap Reason Code.	A2		
TLPROJ	Project Activity.	A16		
TLREV	Revision.	A2		

TLUSAGE - Part Usage Table

This file creates one record per part number. Year 1 represents the year of the most recent transaction log exported.

For example, if you exported transaction logs from 2001 to 2003. Year 1 would represent the usage of the part for each month of 2003. Year 2 would represent the usage of the part for each month of 2002. Year 3 would represent the usage of the part for each year in 2001. Year 4 would be zero.

TUPARTNO	Part Number	A18 (key)
TUYEAR	A4 year (YYYY)	representing year 1
TUY1M1	12	Usage Year 1 January
TUY1M2	12	Usage Year 1 February
TUY1M3	12	Usage Year 1 March
TUY1M4	12	Usage Year 1 April
TUY1M5	12	Usage Year 1 May
TUY1M6	12	Usage Year 1 June
TUY1M7	12	Usage Year 1 July
TUY1M8	12	Usage Year 1 August
TUY1M9	12	Usage Year 1 September
TUY1M10	12	Usage Year 1 October
TUY1M11	12	Usage Year 1 November
TUY1M12	12	Usage Year 1 December
TUY2M1	12	Usage Year 2 January
TUY2M2	12	Usage Year 2 February
TUY2M3	12	Usage Year 2 March
TUY2M4	12	Usage Year 2 April
TUY2M5	12	Usage Year 2 May
TUY2M6	12	Usage Year 2 June
TUY2M7	12	Usage Year 2 July
TUY2M8	12	Usage Year 2 August
TUY2M9	12	Usage Year 2 September
TUY2M10	12	Usage Year 2 October
TUY2M11	12	Usage Year 2 November
TUY2M12	12	Usage Year 2 December
TUY3M1	12	Usage Year 3 January
TUY3M2	12	Usage Year 3 February
TUY3M3	12	Usage Year 3 March
TUY3M4	12	Usage Year 3 April
TUY3M5	12	Usage Year 3 May
TUY3M6	12	Usage Year 3 June
TUY3M7	12	Usage Year 3 July
TUY3M8	12	Usage Year 3 August
TUY3M9	12	Usage Year 3 September
TUY3M10	12	Usage Year 3 October
TUY3M11	12	Usage Year 3 November
TUY3M12	12	Usage Year 3 December
TUY4M1	12	Usage Year 4 January
TUY4M2	12	Usage Year 4 February
TUY4M3	12	Usage Year 4 March
TUY4M4	12	Usage Year 4 April
TUY4M5	12	Usage Year 4 May

TUY4M6	I 2	Usage	Year	4	June
TUY4M7	I 2	Usage	Year	4	July
TUY4M8	I 2	Usage	Year	4	August
TUY4M9	I 2	Usage	Year	4	September
TUY4M10	I 2	Usage	Year	4	October
TUY4M11	I 2	Usage	Year	4	November
TUY4M12	I 2	Usage	Year	4	December

## Moving the Files to your Windows Server or PC

If you intend on using Excel instead of Microsoft Access, refer to the next section of this manual 'Importing files to Excel'.

If you intend to use the Microsoft Access Import programs that we provide, there are 2 rules that need to be adhered to when moving the files to your PC or Windows Server.

- 1) The files should be moved to a folder (directory) that will contain only the files to be imported. In other words, an empty folder.
- 2) The files must be suffixed with the .txt suffix. For example the IM file would be named IM.TXT on your PC.

There are 2 primary methods of moving your extract files from the HP3000 to your PC/Windows Server.

FTP (File Transfer Protocol) or an ASCII File Transfer using your Terminal Emulator (Reflection or Minisoft)

### Using FTP on the HP3000

The fastest method to transfer data off of the HP3000 is using FTP. You can initiate FTP and 'push' the files from your HP3000 to your Windows server in the following manner.

```
: RUN FTP.ARPA.SYS
OPEN 123.50.43.21      (ip address of your Windows Server/PC)
Enter the remote user name and password when prompted. The open command
opens a connection to the remote server.
```

The PUT command will move (push) a single file from the HP3000 to your Windows server. For example

```
PUT IM.MGFILES /MGFILES/IM.TXT
```

Will move the IM (item master) extract file from the MGFILES group on the HP3000 to a directory called MGFILES on your server, and apply a .TXT (flat ascii file) suffix

The MPUT command will push a group of files from the HP3000 to your Windows server. Here is an example of pushing all of the files from a manufacturing extract to your Windows server.

```
:CHGROUP MGFILES          <<<-- group where files reside
:RUN FTP.ARPA.SYS
```

File Transfer Protocol [A0012E08] (C) Hewlett-Packard Co. 2002

```
ftp> OPEN 147.82.21.237      <<<-- ip address of windows server
220 USCTN003 Microsoft FTP Service (Version 5.0).
Connected to 147.82.21.237. (FTPINFO 40)
Name(manager): anonymous    <<<-- user name of windows server
331 Anonymous access allowed, send identity (e-mail name) as password.
Password: test              <<<-- password often not required
230 Anonymous user logged in.
Remote system type is Windows_NT
ftp> cd mgfiles            <<<-- directory where files will placed
ftp> mput @
```

```
ftp> quit
:
```

If you will be using the MPUT the required .TXT suffix will not be applied. Refer to 'applying the .TXT suffix' section below.

You may also "pull" the extract files from the HP3000 to your Windows server by initiating FTP on the Windows server and using the GET or MGET commands.

Additional information can be found in the HP3000 ARPA File Transfer Protocol User Guide.  
<http://docs.hp.com/en/36957-90158/index.html>

### Terminal Emulator File Transfer

When using your terminal emulator, you are offered a choice between a binary file transfer type or an ascii file transfer type. Choose ASCII.

The Reflection terminal emulator allows you to put in an @ for the host file name to transfer all files in a group. This allows you to do a file transfer on a series of files instead of specifying them individually. When using the @ and a Reflection file transfer logon to the group the files reside in. For example :CHGROUP MGFILES Also, using an @ file transfer in reflection does not apply the required .TXT suffix to the local PC file names. Refer to the 'applying the .TXT suffix' section.

The Minisoft terminal emulators file transfer capability is for individual file names. It should also be noted that the Minisoft file transfer is slower than the Reflection file transfer.

### Applying the .TXT suffix

If you use the FTP MPUT or MGET commands, or do a @ Reflection file transfer, the file names on the Windows Server/PC will not have the required .TXT suffix. However, applying the .TXT suffix can be accomplished with one simple MS-DOS command.

```
CD C:mgfiles  
RENAME * *.TXT
```

(To reach the MS-DOS command prompt on your PC, click on START, RUN, enter CMD)



## Using the Manman to Microsoft Toolbox with Excel

Although the Manman to Microsoft Toolbox product includes Microsoft Access Import programs, often an Excel spreadsheet will satisfy your requirements. This section describes how to import a single extract file on the HP3000 to an Excel spreadsheet on your PC. A visual example is found on the preceding page.

- 1) Click on File then File Transfer using Reflection or Mini soft. You must be at the HP3000 colon prompt : to do a file transfer.
- 2) Select a host file name to download. In our example, we used the MRPPLAN file.
- 3) Select a file transfer type of ASCII.
- 4) Select a local file name and directory (or desktop) for the file. Apply a .XLS suffix to the local file name. For example, MRPPLAN.XLS
- 5) Launch Excel - DO NOT DOUBLE CLICK ON MRPPLAN.XLS. Double clicking on the file bypasses the text import wizard in Excel. Instead, launch Excel, and do a FILE & OPEN. Choose the file MRPPLAN.XLS from your list of Excel files. Upon doing so the Text Import Wizard will be launched.
- 6) Select the 'delimited' file type (not fixed width). Click Next.
- 7) Click on 'other' for the delimiter, and insert a Bar in the box next to the other checkbox. The Bar is a shift-backslash on your keyboard. Click Next.
- 8) By default, each column in Excel defines the variable as 'general'. You have the option of clicking on specific columns and redefining them as 'dates' or 'text'.
- 9) Your spreadsheet should now be imported. Click on Format, Column, Auto-Fit selection, to display the full contents of each column. Click on File, Save As, and save as Excel Workbook format instead of delimited format.

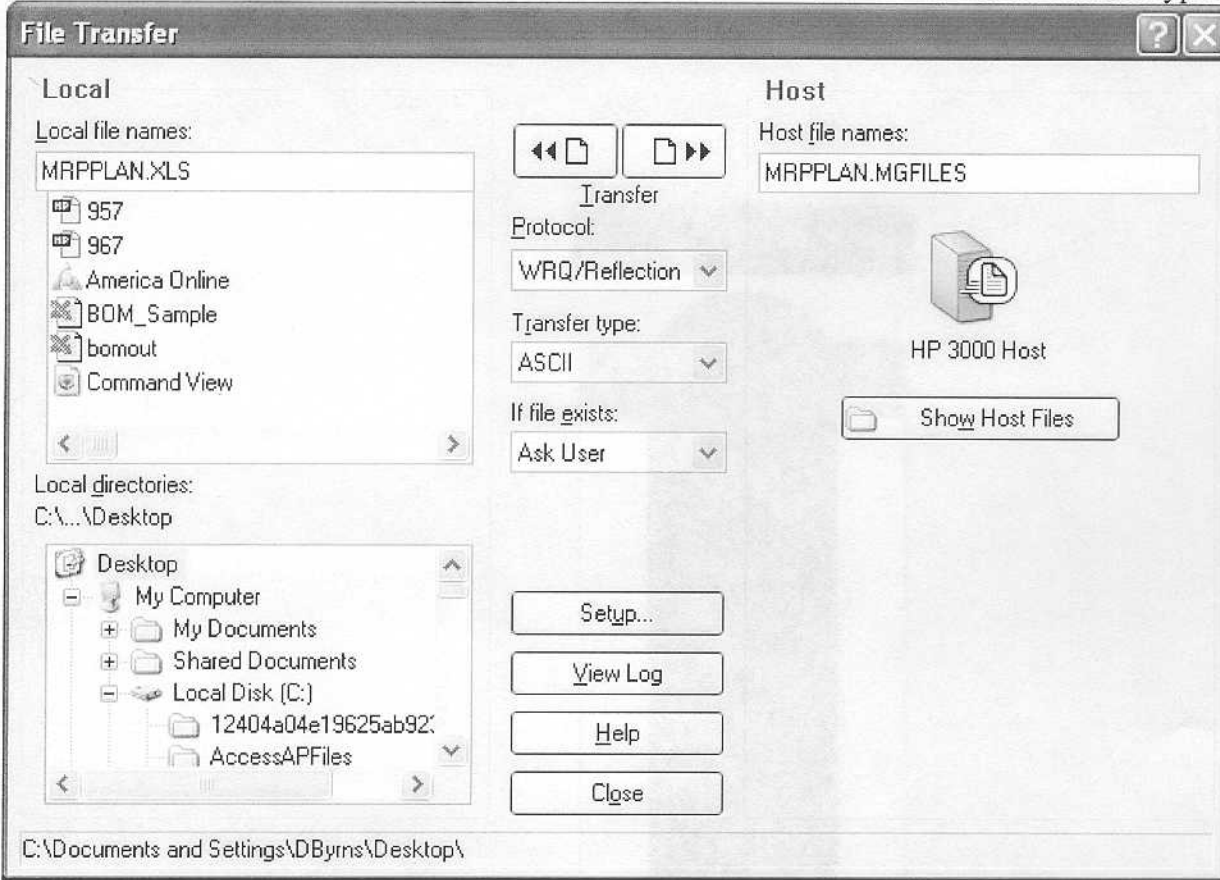
### Excel Limitations

There is a maximum of 65,534 rows (records) that you can import into Excel. Therefore if you download a file from the HP3000 that contains more than 65,534 records, only the first 65,534 will be imported.

Microsoft Excel 2007 no longer has the 65,534 limit. The new limit is 1,000,000 records.

## Example of using the Manman to Microsoft Toolbox with Excel.

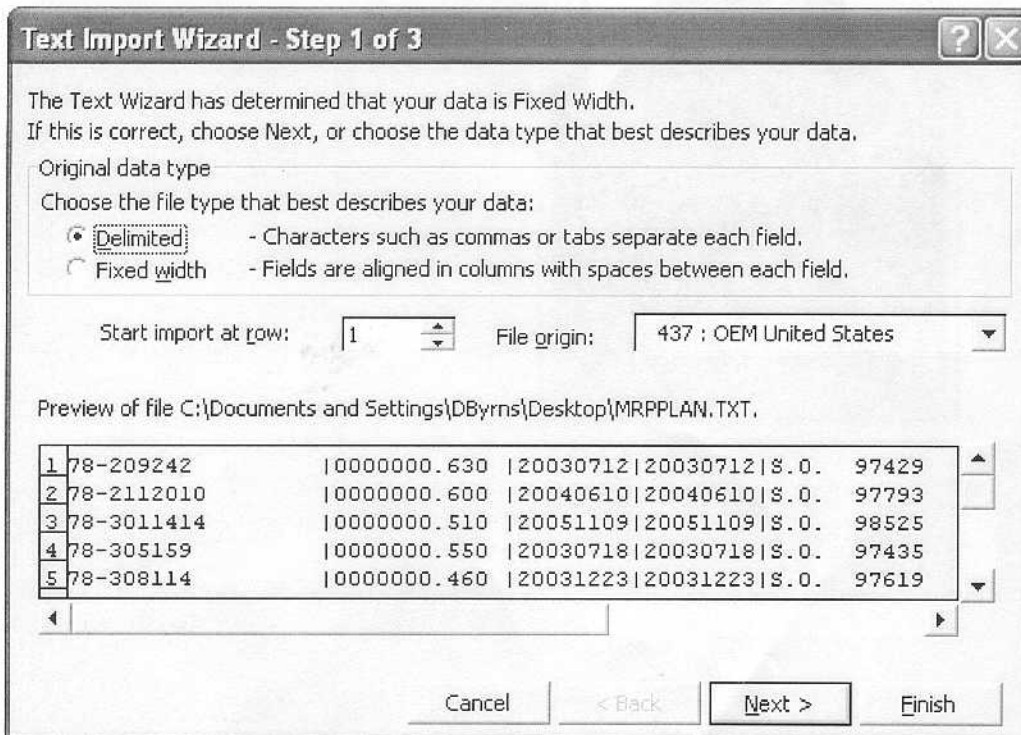
Reflection File Transfer Screen - note .XLS suffix on local file name and ASCII transfer type.



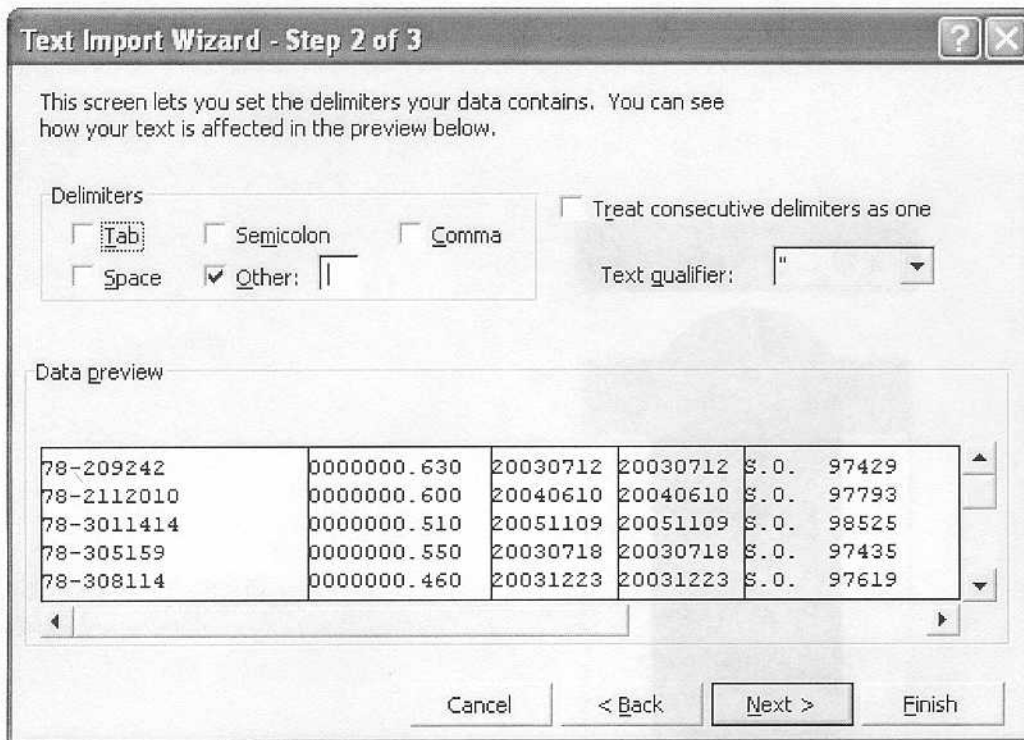
Do not double click on the MRPPLAN.XLS file.

Launch Excel and do a FILE & OPEN. Choose MRPPLAN.XLS as you browse. The Import Wizard appears.

Choose the delimited file type.



Click on the Other: checkbox and put a bar | in the adjacent box. A bar is a shift-backslash on the keyboard.



This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

Tab     Semicolon     Comma  
 Space     Other: |     Treat consecutive delimiters as one

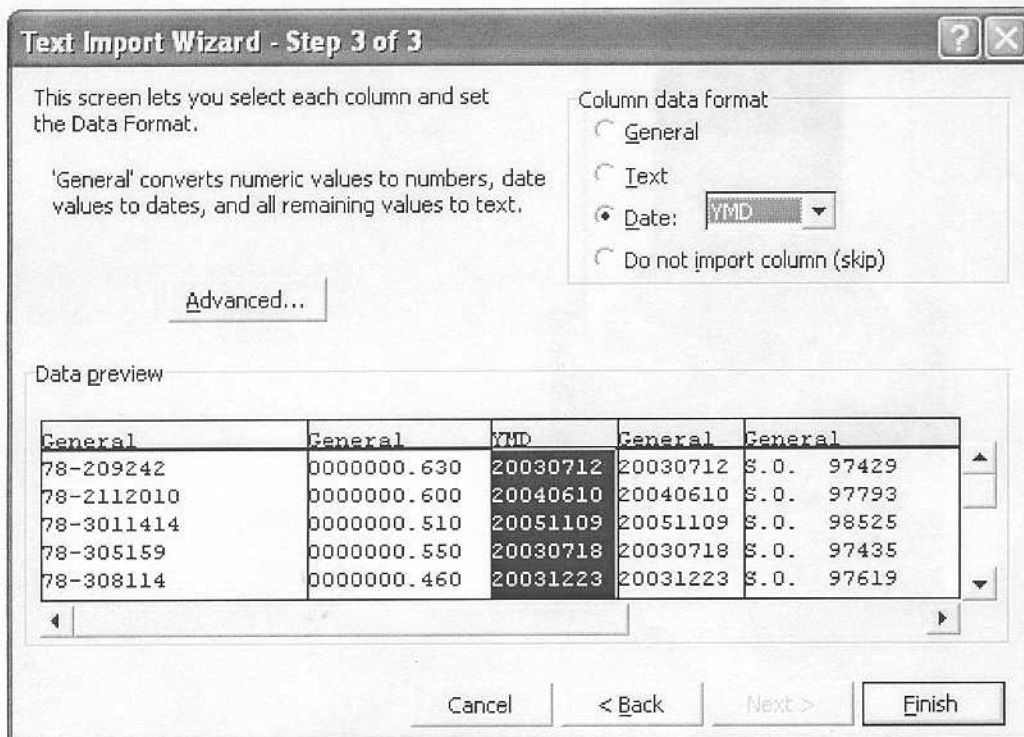
Text qualifier: " ▾

Data preview

78-209242	0000000.630	20030712	20030712	S.O.	97429
78-2112010	0000000.600	20040610	20040610	S.O.	97793
78-3011414	0000000.510	20051109	20051109	S.O.	98525
78-305159	0000000.550	20030718	20030718	S.O.	97435
78-308114	0000000.460	20031223	20031223	S.O.	97619

Cancel    < Back    Next >    Finish

You have the option of defining specific columns as 'dates' or 'text'. Click Finish.



This screen lets you select each column and set the Data Format.

'General' converts numeric values to numbers, date values to dates, and all remaining values to text.

Advanced...

Column data format

General  
 Text  
 Date: YMD ▾  
 Do not import column (skip)

Data preview

General	General	YMD	General	General
78-209242	0000000.630	20030712	20030712	S.O. 97429
78-2112010	0000000.600	20040610	20040610	S.O. 97793
78-3011414	0000000.510	20051109	20051109	S.O. 98525
78-305159	0000000.550	20030718	20030718	S.O. 97435
78-308114	0000000.460	20031223	20031223	S.O. 97619

Cancel    < Back    Next >    Finish

Your spreadsheet should now be imported.

Click on Format, Column, Auto-Fit selection, to display the full contents of each column.

Click on File, Save As, and save as Excel Workbook format instead of delimited format.

## Extract and Capacity Limits

### HP3000 Extract Program Limits

Each of the extract programs has a limit of 3,000,000 records per dataset. If you have any Manman datasets that exceed this value, please contact us, and we will adjust the limit up accordingly for you.

The HP3000 extract programs are written with the most expedient coding and reformatting processes available to you. However, extracting and reformatting hundreds of thousands of records does require a lot of processing time. The extract processes may be run during the day along with your normal Manman users. If you will be extracting 'entire' databases it is recommended that you try to do so off-hours. The selected product type or selected class code extracts execute in the normal HP3000 Batch Queue (DS). The 'entire' database extract processes execute in the low-priority HP3000 Batch Queue (ES).

The extract files created will be approximately the same size as the database they were extracted from. There is no reason for any HP3000 to have less than 30% free space. Disk space is at all time record low prices. 9GB disk drives are available for less than \$200. Buy one or two disks and take advantage of them. We have had a number of positive experiences with HP3000 hardware broker Geni sys Corporation. [www.genisyscorp.com](http://www.genisyscorp.com).

### Microsoft Access Table Limits

If you will be using the Microsoft Access Import processes that are included on your CD, then be aware that a Microsoft Access database does have a theoretical limit to the amount of data that it can hold.

The Manman to Microsoft Toolbox Access component will create 7 different Access databases in a directory /MANMAN on your Windows server/PC

Manman to Microsoft Toolbox Manufacturing

1. Manufacturing.mdb
2. Purchasing.mdb
3. Translog.mdb

Manman to Microsoft Toolbox Omar and Financials

4. OMAR.mdb
5. ShippingHistory.mdb
6. AP.mdb
7. GL.mdb

A Microsoft Access database (.mdb file) has a 2GB maximum size. We have reviewed the size of Manman databases on many customers HP3000, and have yet to find a customer whose databases exceed this limit.

If Microsoft Access is not your target platform, Microsoft provides an SQL Server migration assistant (SSMA for Access) utility. A multitude of other MS Access to Database X 3rd party migration utilities are also available on the market. You can find more information on SQL and Microsoft Access in the documentation included on your CD.

## Microsoft Access Import Applications

At this point we presume you have moved the extract files from the HP3000, they reside on your PC/Windows server in a directory all by themselves, and that the extract files have a .TXT suffix. The purpose of this section is to provide you with an overview of the Microsoft Access Import Applications we provided you on you CD.

The CD will contain up to 4 Microsoft Access Migration programs. The Manman to Microsoft Toolbox Manufacturing Product includes these 2 programs:

MigrateMFG	Creates Manufacturing.mdb and Purchasing.mdb
MigrateTL	Creates Translog.mdb

The Manman to Microsoft Toolbox for Omar and Financials includes the programs:

MigrateOMAR	Creates OMAR.mdb and ShippingHistory.mdb
MigrateAPGL	Creates AP.mdb and GL.mdb

These programs were developed in Microsoft Access 2003, but should run on 'any' version of Microsoft Access. The Import programs were developed by calling a series of Visual Basic Macros. It is possible, not probable, that if you are running a version of Access prior to Access 2003, the import you 'may' have to obtain a 'dll' from the Microsoft website.

Because the Import programs run macros, you may receive the Microsoft 'security warnings' that macros are about to be run, and have to 'continue' or 'change' the macro security setting.

Double click on these Import programs to launch them. The directions on how to Import on on the following page.

After the Import program has run, Access databases in Manman format will be built in a subdirectory called MANMAN. Access databases have the following names.

Manman to Microsoft Toolbox Manufacturing

1. Manufacturing.mbd
2. Purchasing.mdb
3. Translog.mdb

Manman to Microsoft Toolbox Omar and Financials

4. OMAR.mdb
5. ShippingHistory.mdb
6. AP.mdb
7. GL.mdb

Double click on the Access databases to view your Manman data. Upon opening the database, a macro which runs a custom Filter/Inquiry process will execute. You do not have to use our custom Filter/Inquiry process. Simply close the Filter Window and you can choose what 'Manman table' to view by clicking on the "tables" object.

For additional information on how to use Microsoft Access we recommend the visual instruction book 'Access 2003 Quick Steps' from McGraw-Hill / Osborne publishing ISBN 0-07-223229-3.

## Example of the Microsoft Access Import Program (MigrateMFG)

**Data Migration Tool - [Application Interface]**

File Edit View Insert Format Records Tools Window Help

Run Program Errors Administration Exceptions

**Click to Select Database Folder**

Database folder: C:\AccessProject

Database 1: Manufacturing.mdb  Create

Database 2: Purchasing.mdb  Create

1) Click the button above to select the folder where you want the two Access databases created. By default, a subfolder MANMAN will be created.

2) Click the buttons to the right to select the folders the text files for the Access databases reside.

3) Type the names of the two Access Databases to create.

4) Click 'Go' to import data.

C:\AccessMGFiles(26 files)

Import status: waiting

Count records before importing

Go Exit

**Click to select folder for Manufacturing text files**

Type: txt

Location: C:\AccessMGFiles

Files:

- ACCTXREF.txt
- ASSEMB.txt
- CCFIL.txt
- DEPTREC.txt
- DFACFIL.txt
- ECOCMT.txt
- ECOMAS.txt
- ECOREC.txt
- EXTDFIL.txt
- FAMLNK.txt
- IM.txt
- INTFIL.txt
- INWFIL.txt
- INVMAS.txt
- LDLIL.txt
- MPSPLAN.txt
- MRPPLAN.txt
- NCFIL.txt
- ODF.txt
- OWOF.txt
- PSF.txt
- TCFIL.txt
- TRFIL.txt
- WCFIL.txt
- WOSHT.txt
- WOTR.txt

**Click to select folder for Purchasing text files**

Type: txt

Location: C:\AccessPURFiles

Files:

- CONFIL.txt
- IRCHFIL.txt
- PODSFIL.txt
- POFIL.txt
- POMAS.txt
- POMMFIL.txt
- PRAFIL.txt
- PRAHFIL.txt
- PROSFIL.txt
- PRHFIL.txt
- PRIM.txt
- PRLFIL.txt
- PRXFIL.txt
- RCHSFIL.txt
- REASMAS.txt
- RECNMAS.txt
- SHPFIL.txt
- SNFIL.txt
- SNPOFIL.txt
- TERMMAS.txt
- V1099FIL.txt
- VNCRFIL.txt
- VNDMAS.txt
- VNDSFIL.txt

Form View

1. Click on the large button in the top left 'Click to Select Database Folder'. This will allow you to 'browse' and select what directory to store the Microsoft Access Database that gets created. By default, the program uses the folder where the application is installed and creates a new subfolder MANMAN. The Access databases built will reside in the MANMAN subfolder.
2. Click on the large button in the top middle of the screen 'Click to select folder for Manufacturing text files'. This is the folder you downloaded the MGFILES from the HP3000.
3. Click on the large button in the top right of the screen 'Click to select folder for Purchasing text files'. This is the folder you downloaded the PUFILS from the HP3000.
4. Click on GO.

\*\*\* Note - if you only want to build 1 Access database instead of 2 Access databases use the 'check box' next to the 'Database 1:' and 'Database 2:' to choose which Access database you will be creating.

When the import process is finished there will almost always be 'import errors'. This is NORMAL!. Any import errors can be reviewed under the 'error' tab, in the tblImportErrors table. Sometimes a Bar character | appearing in the data being imported will cause an import error.



## Custom Filter Process that is launched upon opening the Microsoft Access Database.

1. The filter form should open automatically. If you do not wish to use this filter function, just close this window.

LineOp	FieldName	Op1	Value1	FldOp	Op2	Value2
--------	-----------	-----	--------	-------	-----	--------

2. **Indicate the table/query to search.** In the filter form, select the dataset to filter from the drop-down list 'Select Table to Search'. The list contains all user tables (native or linked from other sources) and saved queries in the database, except those used specifically designed for filtering. Expand the list by clicking the arrow on the right side of the list or press Alt+T.

LineOp	FieldName	Op1	Value1	FldOp	Op2	Value2
--------	-----------	-----	--------	-------	-----	--------

3. **Building an 'ad-hoc' filter:** After selecting the data set, go to the detail section to define all filter elements:
  - Line Op: operator for the entire line. Leaving it blank will use a default of 'And'. It is used to concatenate the defined lines and create an advanced filter
  - Field Name: the name of the field to filter (the drop-down list contains all fields from the source)



\*\*\*\*\*  
\* Example of running the EXTRACTM program and extracting \*  
\* manufacturing data for a selected class code. \*  
\*\*\*\*\*

:CHGROUP MGFILES  
:RUN EXTRACTM.SUMMIT.MMV110

Manman Manufacturing Extract Utility (v1)

WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:

1. MANUFACTURING (MANDB/RESDB)
2. PURCHASING (PURDB/VNDDDB)
3. TRANSACTION LOGS

OPTION(1)? 1

MANUFACTURING DATA BASE NUMBER ( 0)? 0

CLASS CODE OPTION:

1. EXTRACT ALL CLASS CODES
2. EXTRACT A SELECTED CLASS CODE

OPTION(2)? 2

BEGINNING EXTRACT PROCESS: 3:27 PM

SELECT PARTS BASED ON WHICH CLASS CODE GROUP (1,2,3,4)? 2

CLASS CODE? 100

Records selected: 1469

Records selected: 10368

Records selected: 178

Records selected: 1469

Records selected: 715

Records selected: 374

Records selected: 1089

Records selected: 715

Records selected: 12730

EXTRACTING ACCTXREF....

Records selected: 6510

Pages printed: 1

EXTRACTING ASSEMB....

Records selected: 1422

Pages printed: 1

EXTRACTING CCFIL....

Records selected: 0

Pages printed: 1

EXTRACTING DFACFIL....

Records selected: 1

Pages printed: 1

EXTRACTING IM....

Records selected: 1724

Pages printed: 1

EXTRACTING INVLMAS....

Records selected: 24758

Pages printed: 1

EXTRACTING OWOOF....

Records selected: 715

Pages printed: 1

EXTRACTING WCFIL....

Records selected: 219

Pages printed: 1

EXTRACTING ECOMAS....

Records selected: 15

Pages printed: 1

EXTRACTING DEPTREC....

Records selected: 55

Pages printed: 1

EXTRACTING EXTDFIL....

Records selected: 818

Pages printed: 1

EXTRACTING INTFIL....

Records selected: 18248

Pages printed: 1

EXTRACTING INVFIL....

Records selected: 294

Pages printed: 1

EXTRACTING LDFIL....

Records selected: 2723

Pages printed: 1

EXTRACTING MPSPLAN....

Records selected: 2

Pages printed: 1

EXTRACTING MRPPLAN....

Records selected: 18

Pages printed: 1

EXTRACTING NCFIL....

Records selected: 103

Pages printed: 1

EXTRACTING ODF....

Records selected: 61

Pages printed: 1

EXTRACTING PSF....

Records selected: 10368

Pages printed: 1

EXTRACTING TCFIL....

Records selected: 265484

Pages printed: 1

EXTRACTING TRFIL....

Records selected: 713

Pages printed: 1

EXTRACTING WOSHT....

Records selected: 6882

Pages printed: 1

EXTRACTING WOTR....

Records selected: 713

Pages printed: 1

EXTRACTING ECOCMT....

Records selected: 6

Pages printed: 1

EXTRACTING ECOREC....

Records selected: 0

Pages printed: 1

EXTRACTING FAMLNK....

Records selected: 0

Pages printed: 1

EXTRACT PROCESS COMPLETED: 3:31 PM

: LISTF

ACCTXREF	ASSEMB	CCFIL	DEPTREC	DFACFIL	ECOCMT
ECOMAS	ECOREC	EXTDFIL	FAMLNK	IM	INTFIL
INVFIL	INVLMS	LDFIL	MPSPLAN	MRPPLAN	NCFIL
ODF	OWOF	PSF	TCFIL	TRFIL	WCFIL
WOSHT	WOTR				

: PRINT INVFIL; END=1

```

78-601243          |0000000.600 |20060426|CONAMER   |63040-008      |100255
          |0000005.374 |00000|1234          |20060426|
00000|00000000.000|00000000|

```

\*\*\*\*\*  
\* Example of running the EXTRACTM program to export \*  
\* Transaction Log Records, and create a file of monthly \*  
\* usage for each part number. \*  
\*\*\*\*\*

: RUN EXTRACTM. SUMMIT. MMV110

Manman Manufacturing Extract Utility (v1)

WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:

1. MANUFACTURING (MANDB/RESDB)
2. PURCHASING (PURDB/VNDDDB)
3. TRANSACTION LOGS

OPTION(1)? 3

MANUFACTURING DATA BASE NUMBER ( 0)?

CALCULATE MONTHLY PART USAGE AFTER EXTRACTING THE TRANSACTION LOGS (N)? Y \*

BEGINNING EXTRACT PROCESS: 8:34 AM

SELECT TRANSACTION LOGS:

1. BY DATE RANGE
2. CURRENT TRANSACTION LOG (TR001264)
3. BY NAME (enter '?' to list)

OPTION (1)? 1

STARTING DATE? 4/1 \*

Records selected: 58255

Creating extract file....

BEGINNING REFORMAT PROCESS: 8:36 AM

FORMATTING TRANSACTION LOG EXTRACT FILE....

Records selected: 58255

Pages printed: 1

EXTRACTING IM....

Records selected: 52562

Pages printed: 1

BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(1)....

Records selected: 56958

BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(2)....

Records selected: 1801

BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(3)....

Records selected: 3574

BUILDING ORDER KEYS FROM TLOG EXTRACT FILE(4)....

Records selected: 3764

Pages printed: 1

CALCULATING PART USAGE PROCESS: 8:39 AM

CALCULATING PARTS USAGE FILE....

ENTER THE YEAR OF THE MOST RECENT DATA EXTRACTED (YYYY)? 2007

Records selected: 47857

Records selected: 2505

Pages printed: 1

EXTRACT PROCESS COMPLETED: 8:39 AM

\*\*\*\*\*  
\* Example of running the EXTRACTF program and extracting \*  
\* OMAR data for a selected product type. \*  
\*\*\*\*\*

: CHGROUP OMFILES  
: RUN EXTRACTF.SUMMIT.MMV110

Omar, Shipping, and Financials Extract Utility (v1)

WHICH EXTRACT WOULD YOU LIKE TO EXECUTE:

1. OMAR (FINDB/TABDB)
2. SHIPPING HISTORY (HISDB)
3. ACCOUNTS PAYABLE (PAYDB/VNDDDB)
4. GENERAL LEDGER (GLDB)

OPTION(1)? 1

PRODUCT TYPE OPTION:

1. EXTRACT ALL PRODUCT TYPES
2. EXTRACT A SELECTED PRODUCT TYPE

OPTION(1)? 2

OMAR DATA BASE NUMBER ( 0)? 0

BEGINNING EXTRACT PROCESS: 1:20 PM .....

PRODUCT TYPE? 100

Records selected: 1440

FINDING SALES ORDERS ASSOCIATED WITH THE PRODUCTS SELECTED....

Records selected: 1155

FINDING INVOICES ASSOCIATED WITH THE PRODUCTS SELECTED....

Records selected: 1456

EXTRACTING BILMAS...

Records selected: 2847

Pages printed: 1

EXTRACTING GLMAS...

Records selected: 4841

Pages printed: 1

EXTRACTING PROMAS...

Records selected: 1440

Pages printed: 1

EXTRACTING IM...

Records selected: 52562

Pages printed: 1

EXTRACTING PTMAS...

Records selected: 706

Pages printed: 1

EXTRACTING SALMAS...

Records selected: 125

Pages printed: 1

Records selected: 42

Pages printed: 1

Records selected: 85

Pages printed: 1

Records selected: 99

Pages printed: 1

Records selected: 102

Pages printed: 1

Records selected: 24

Pages printed: 1

Records selected: 48  
Pages printed: 1  
Records selected: 566  
Pages printed: 1  
Records selected: 171  
Pages printed: 1  
Records selected: 15  
Pages printed: 1  
Records selected: 1701  
Pages printed: 1  
EXTRACTING AIFIL...  
Records selected: 9513  
Pages printed: 1  
EXTRACTING ARFIL...  
Records selected: 972  
Pages printed: 1  
EXTRACTING CHAFIL...  
Records selected: 1774  
Pages printed: 1  
EXTRACTING CIAFIL...  
Records selected: 1741  
Pages printed: 1  
EXTRACTING CIDFIL...  
Records selected: 4005  
Pages printed: 1  
EXTRACTING CMFIL...  
Records selected: 972  
Pages printed: 1  
EXTRACTING COMFIL...  
Records selected: 676  
Pages printed: 1  
EXTRACTING ACCTXREF...  
Records selected: 1042  
Pages printed: 1  
Records selected: 0  
Pages printed: 1  
EXTRACTING CUSFIL...  
Records selected: 7035  
Pages printed: 1  
EXTRACTING GLDFIL...  
Records selected: 4406  
Pages printed: 1  
EXTRACTING INFIL...  
Records selected: 2153  
Pages printed: 1  
EXTRACTING OOE FILES...  
Records selected: 0  
Pages printed: 1  
Records selected: 756  
Pages printed: 1  
Records selected: 8  
Pages printed: 1  
Records selected: 20025  
Pages printed: 1  
EXTRACTING SIFIL...  
Records selected: 13374  
Pages printed: 1  
Records selected: 815  
Pages printed: 1  
EXTRACTING SODFIL...  
Records selected: 2871  
Pages printed: 1  
EXTRACTING SOEFIL...  
Records selected: 676  
Pages printed: 1

