

# Advanced Database Information

Data contained in the winmulti version 6 SQLite databases

## Contents

..\\_machine\Useage.db3 Database  
..\\_machine\diagnostic\diagnostic.db3

**Alarm Log**

**Odometer**

**Production Reports -**

**runningMH**


**runningMHArchive**

**runningSaw**

**timings**

**timingsArchive**

**Comments**

 ...All .db3 databases are live data and use a very simple SQLite structure. They are not designed for advanced sharing and should be treated as read only. A copy of the database should be made before running any queries

## ..\\_machine\Useage.db3 Database

A database is produced called useage.db3 containing all data for work that has passed through the machine

Location:  
..masterdir..\\_machine\useage.db3  
..masterdir.. is normally c:\ddrive\

### Database Structure

## Tables (5)

Name	Type	Schema
<b>batches</b>		CREATE TABLE batches ([loadedDate] DATE, [BatchNo] TEXT, [Pieces] INTEGER, [Frames] INTEGER, [EstSeconds] INTEGER, [completedDate] DATE)
loadedDate	DATE	"loadedDate" DATE
BatchNo	TEXT	"BatchNo" TEXT
Pieces	INTEGER	"Pieces" INTEGER
Frames	INTEGER	"Frames" INTEGER
EstSeconds	INTEGER	"EstSeconds" INTEGER
completedDate	DATE	"completedDate" DATE
<b>pieces</b>		CREATE TABLE pieces ([createdDate] DATE, [BatchNo] TEXT, [PieceNo] TEXT, [profileCode] TEXT, [colourCode] TEXT, [length] REAL, [Mitre] TEXT, [slotNo] INTEGER, [trolleyNo] INTEGER, [FrameId] TEXT, [completedDate] DATE)
createdDate	DATE	"createdDate" DATE
BatchNo	TEXT	"BatchNo" TEXT
PieceNo	TEXT	"PieceNo" TEXT
profileCode	TEXT	"profileCode" TEXT
colourCode	TEXT	"colourCode" TEXT
length	REAL	"length" REAL
Mitre	TEXT	"Mitre" TEXT
slotNo	INTEGER	"slotNo" INTEGER
trolleyNo	INTEGER	"trolleyNo" INTEGER
FrameId	TEXT	"FrameId" TEXT
completedDate	DATE	"completedDate" DATE
<b>profileUsed</b>		CREATE TABLE profileUsed ([profileCode] TEXT, [colourCode] TEXT, [length] REAL, [completedDate] DATE, [width] REAL, [used] REAL, [offcut] REAL, [processed] INTEGER, laserHoleDia REAL, laserOffset REAL, autoQueueId INTEGER, sawnDate DATE, GXOffset REAL, SXOffset REAL)
profileCode	TEXT	"profileCode" TEXT
colourCode	TEXT	"colourCode" TEXT
length	REAL	"length" REAL
completedDate	DATE	"completedDate" DATE
width	REAL	"width" REAL
used	REAL	"used" REAL
offcut	REAL	"offcut" REAL
processed	INTEGER	"processed" INTEGER
laserHoleDia	REAL	"laserHoleDia" REAL
laserOffset	REAL	"laserOffset" REAL
autoQueueId	INTEGER	"autoQueueId" INTEGER
sawnDate	DATE	"sawnDate" DATE
GXOffset	REAL	"GXOffset" REAL
SXOffset	REAL	"SXOffset" REAL
<b>remakes</b>		CREATE TABLE remakes ([createdDate] DATE, [BatchNo] TEXT, [PieceNo] TEXT, [profileCode] TEXT, [colourCode] TEXT, [length] REAL, [reason] TEXT, [Operator] TEXT)
createdDate	DATE	"createdDate" DATE
BatchNo	TEXT	"BatchNo" TEXT
PieceNo	TEXT	"PieceNo" TEXT
profileCode	TEXT	"profileCode" TEXT
colourCode	TEXT	"colourCode" TEXT
length	REAL	"length" REAL
reason	TEXT	"reason" TEXT
Operator	TEXT	"Operator" TEXT

## ..\\_machine\diagnostic\diagnostic.db3

Location:

..masterdir..\\_machine\diagnostic\diagnostic.db3

..masterdir.. is normally c:\ddrive\

## Alarm Log

logs every alarm that is triggered

<b>alarmLog</b>		CREATE TABLE alarmLog ([alarmDate] DATE, [profileCode] TEXT, [colourCode] TEXT, [length] REAL, [toolCode] TEXT, [mndFile] TEXT, [spindleNo1] INTEGER, [spindleNo2] INTEGER, [axisPos] REAL, AlarmNo INTEGER, Text TEXT)
alarmDate	DATE	"alarmDate" DATE
profileCode	TEXT	"profileCode" TEXT
colourCode	TEXT	"colourCode" TEXT
length	REAL	"length" REAL
toolCode	TEXT	"toolCode" TEXT
mndFile	TEXT	"mndFile" TEXT
spindleNo1	INTEGER	"spindleNo1" INTEGER
spindleNo2	INTEGER	"spindleNo2" INTEGER
axisPos	REAL	"axisPos" REAL
AlarmNo	INTEGER	"AlarmNo" INTEGER
Text	TEXT	"Text" TEXT

## Odometer

under development

<b>odometer</b>		CREATE TABLE odometer ([Date] DATE, [type] INTEGER, [Ref] INTEGER, [value1] REAL, [value2] REAL, [note1] TEXT, [note2] TEXT, [note3] TEXT)
Date	DATE	"Date" DATE
type	INTEGER	"type" INTEGER
Ref	INTEGER	"Ref" INTEGER
value1	REAL	"value1" REAL
value2	REAL	"value2" REAL
note1	TEXT	"note1" TEXT
note2	TEXT	"note2" TEXT
note3	TEXT	"note3" TEXT

## Production Reports -

Log of each report sent to the production email address with the totals of the daily production values

<b>productionreports</b>		CREATE TABLE productionreports ([sentDate] DATE, [reportDate] DATE, [type] INTEGER, [shift] INTEGER, [piecesCut] INTEGER, [slotsCut] INTEGER, [secOn] INTEGER, [secRunning] INTEGER, [secIdle] INTEGER, [efficiency] REAL, [batchesCut] INTEGER, Auto INTEGER)
sentDate	DATE	"sentDate" DATE
reportDate	DATE	"reportDate" DATE
type	INTEGER	"type" INTEGER
shift	INTEGER	"shift" INTEGER
piecesCut	INTEGER	"piecesCut" INTEGER
slotsCut	INTEGER	"slotsCut" INTEGER
secOn	INTEGER	"secOn" INTEGER
secRunning	INTEGER	"secRunning" INTEGER
secIdle	INTEGER	"secIdle" INTEGER
efficiency	REAL	"efficiency" REAL
batchesCut	INTEGER	"batchesCut" INTEGER
Auto	INTEGER	"Auto" INTEGER

## runningMH

Log of each minute of running detailing how many seconds in that minute the machine was running, idle or waiting for an operator.

Name	Type	Schema
		TEXT, [colourCode] TEXT, [batchNo] TEXT, frames INTEGER)
Date	DATE	"Date" DATE
idle	INTEGER	"idle" INTEGER
running	INTEGER	"running" INTEGER
pieces	INTEGER	"pieces" INTEGER
loading	INTEGER	"loading" INTEGER
sawwait	INTEGER	"sawwait" INTEGER
operatorwait	INTEGER	"operatorwait" INTEGER
profileCode	TEXT	"profileCode" TEXT
colourCode	TEXT	"colourCode" TEXT
batchNo	TEXT	"batchNo" TEXT
frames	INTEGER	"frames" INTEGER

## runningMHArchive

After a complete day, the runningMH data is compressed and summed into in 15 minute intervals. This process happens when the front end winMulti is run from the desktop - all previous days are archived. The archive data is used to create the daily calculations

<b>runningMHArchive</b>		
		CREATE TABLE runningMHArchive ([intervalDate] DATE, [pieces] INTEGER, [frames] INTEGER, [running] INTEGER, [loading] INTEGER, [idle] INTEGER, [sawwait] INTEGER, [operatorwait] INTEGER)
intervalDate	DATE	"intervalDate" DATE
pieces	INTEGER	"pieces" INTEGER
frames	INTEGER	"frames" INTEGER
running	INTEGER	"running" INTEGER
loading	INTEGER	"loading" INTEGER
idle	INTEGER	"idle" INTEGER
sawwait	INTEGER	"sawwait" INTEGER
operatorwait	INTEGER	"operatorwait" INTEGER

## runningSaw

This is the same data as runningMH but for the saw side of a 2-side machine. It is not used in calculation

<b>runningSaw</b>		
		CREATE TABLE runningSaw ([Date] DATE, [idle] INTEGER, [running] INTEGER, [pieces] INTEGER, [loading] INTEGER, [sawwait] INTEGER, [operatorwait] INTEGER)
Date	DATE	"Date" DATE
idle	INTEGER	"idle" INTEGER
running	INTEGER	"running" INTEGER
pieces	INTEGER	"pieces" INTEGER
loading	INTEGER	"loading" INTEGER
sawwait	INTEGER	"sawwait" INTEGER
operatorwait	INTEGER	"operatorwait" INTEGER

## timings

Log of the time taken for each operation macro on each profile. Used to calculate batch time predictions.

<b>timings</b>		CREATE TABLE timings ([completedDate] DATE, [profileCode] TEXT, [toolCode] TEXT, [mndFile] TEXT, [timeTaken] REAL, [length] REAL, SPINDLE1 INTEGER, SPINDLE2 INTEGER, CURRENTMAX REAL, CURRENTCUT REAL)
completedDate	DATE	"completedDate" DATE
profileCode	TEXT	"profileCode" TEXT
toolCode	TEXT	"toolCode" TEXT
mndFile	TEXT	"mndFile" TEXT
timeTaken	REAL	"timeTaken" REAL
length	REAL	"length" REAL
SPINDLE1	INTEGER	"SPINDLE1" INTEGER
SPINDLE2	INTEGER	"SPINDLE2" INTEGER
CURRENTMAX	REAL	"CURRENTMAX" REAL

## timingsArchive

Archive of the timings data. This process happens when the front end winMulti is run from the desktop - all previous days are archived. The archive data is used to create the daily calculations

<b>timingsArchive</b>		CREATE TABLE timingsArchive ([intervalDate] DATE, [profileCode] TEXT, [toolCode] TEXT, [mndFile] TEXT, [timeTaken] REAL)
intervalDate	DATE	"intervalDate" DATE
profileCode	TEXT	"profileCode" TEXT
toolCode	TEXT	"toolCode" TEXT
mndFile	TEXT	"mndFile" TEXT
timeTaken	REAL	"timeTaken" REAL