

(new In AcornPipe 8-723)

Using the Motorola CS3000 Companion Scanner with AcornPipe

The first step is to launch AcornPipe and select Help/Print Barcode Reference Sheet. The Reference Sheet contains a series of barcodes along the lines of the example below. Each code, S31, S32 etc. represents a production Stage. Note that with the CS3000, the Start and Clear barcodes are not used.



Production Status Entry



Chk date
331

InFab date
332

Hydro date
333

PWHT date
334

Complete date
335

The first five choices are hard-coded in AcornPipe.

Fab Comp. Date
337

Weld Comp. Date
340

Dimension Check Date
341

X-Ray Comp. Date
342

PT Comp. Date
343

MT Comp. Date
344

LIT Comp. Date
345

PMI Comp. Date
346

Client App. Date
347

Ship to Site Date
348

Req. on Site Date
349

Fit Date
350

Weld Date
351

Final Weld Date
352

Final Fit Date
353

Cut Date
346

Fab. S.B. Comp. Date
357

S.B. Weld Comp. Date
358

The remaining entries are date-related items from the fabrication status headers.

The first five production Stages (see example below) are always the same. The remaining Stages are simply a list of all user-definable status headers that contain the word "Date".

S31 Chk date

S32 InFab date

- S33 Hydro date
 S34 PWHT date
 S35 Complete date
 S36 Cut Date
 S37 Fab. S.B. Comp. Date
 S38 S.B. Weld Comp. Date
 S39 Fab Comp. Date
 S40 Weld Comp. Date
 S41 Dimension Check Date
 S42 X-Ray Comp. Date
 S43 PT Comp. Date
 S44 MT Comp. Date
 S45 UT Comp. Date
 S46 PMI Comp. Date
 S47 Client App. Date
 S48 Ship to Site Date
 S49 Req. on Site Date
 S50 Final Weld Date
 S51 Final Fit Date

The screenshot shows the 'StatusMaster.ac2' application window. The title bar reads 'StatusMaster.ac2'. Below the title bar is a menu bar with 'File' and 'Utilities'. A search box labeled 'Status Fields' is present. The main content area displays a table with the following columns: 'NDE PMI', 'Field', 'Column Header Text', and 'In Use?'. The table lists 32 rows of data, each representing a status field.

NDE PMI	Field	Column Header Text	In Use?
1	Field 1	Paint	X
2	Field 2	Fab Location	X
3	Field 3	Cut Date	X
4	Field 4	Fab. S.B. Comp. Date	X
5	Field 5	S.B. Weld Comp. Date	X
6	Field 6	Fab Comp. Date	X
7	Field 7	Weld Comp. Date	X
8	Field 8	Dimension Check Date	X
9	Field 9	X-Ray Comp. Date	X
10	Field 10	PT Comp. Date	X
11	Field 11	MT Comp. Date	X
12	Field 12	UT Comp. Date	X
13	Field 13	PMI Comp. Date	X
15	Field 15	Client App. Date	X
17	Field 17	Ship to Site Date	X
18	Field 18	Req. on Site Date	X
19	Field 19	Pipe Size	X
20	Field 20	PRICE	X
21	Field 21	MyPriority	X
22	Field 22	LINENO	X
23	Field 23	RevName	X
24	Field 24	NDE RT	X
25	Field 25	NDE PT	X
26	Field 26	Fit Date	X
27	Field 27	Weld Date	X
28	Field 28	Final Weld Date	X
29	Field 29	Final Fit Date	X
30	Field 30	MAXNPS	X
31	Field 31	Invoice	X
32	Field 32	FABCODE	X

Note that if Fit Date, Weld Date, Final Weld Date, and Final Fit Date stages are present in the list of Status Headers, those dates will be written to the status table automatically, based on data entered via the drawing. You would therefore probably not want to use barcode scanning for these particular stages.

It is possible for a client to have its own data folder and hence its own list of status headers, but the barcode reference sheet is always based on the status headers in the main Data folder, i.e. the one directly under the AcornClients folder.

The status headers in a client Data folder and the main Data folder can be different, but obviously you can only scan for stages listed in the main Data folder, as only these are listed on the Barcode Reference Sheet. To the extent that main and client-specific status headers contain the same stage descriptions, the status updating process will handle them correctly, even if they occupy different field positions. For example, if Cut Date is listed as Field 3 in the main data folder and Field 10 in a client data folder, the status table will still update correctly in both cases.

Once you have verified that the main status headers include all the desired stages, you may want to print several copies of the Barcode Reference Sheet, one for each station where you will be scanning.

Before using the CS3000 for the first time

Scan one barcode (any one will do) and connect the CS3000 scanner to a computer. Use NotePad to view the contents of \Scanned Barcodes\Barcodes.txt in the scanner. The last line of Barcodes.txt shows the scan you just made. If it does not reflect the correct date and time of the scan, set the scanner's date and time by scanning the appropriate codes as shown in the CS3000 user manual. To do this you will need to (a) print out the relevant two pages from the manual and (b) disconnect the scanner from the computer.

Clear the scanner, either by deleting Barcodes.txt or by holding down the minus key on the scanner for seven seconds.

Scanning Procedure

Power up the CS3000 and scan the appropriate stage code from the reference sheet. For example, if you are about to scan a batch of spools for which X-Rays have just been completed, scan the *X-Ray Comp. Date* barcode on the reference sheet. Then scan the drawings to which the stage code applies. You can then scan a different stage such as *Ship to Site* and then scan the drawings to which that status applies, and so on. The scans are stored in the CS3000. Each scan adds a timestamped line to Barcodes.txt.

The Plus button is used to make a scan. If you scan the wrong drawing by mistake, you can undo that scan by scanning that same drawing again, but by pressing the Minus button instead of Plus. If you accidentally scan the wrong stage code, you do not need to undo that scan, just scan the correct stage code before scanning any more drawings.

Downloading the CS3000

Connect the CS3000 to a USB port. If an AutoPlay window pops up, dismiss it. Select Help/Download CS3000. AcornPipe will read \Scanned Barcodes\Barcodes.txt from the CS3000 and process it to create Data.txt. After the data has transferred, you will be

given the option of immediately updating the job status. Alternatively, you can come back later and select Help/Update Job Status. AcornPipe will also delete BarCodes.txt from the CS3000, so it is ready to go for the next time you need it.