Case Study

Case Study 7

Extended use of INTACT at Bushell + Meadows

Strategic Safety Systems

Bushell+Meadows are a Tewkesbury-based precision engineering company, making components typically for aerospace or medical applications. Amongst other certifications, they are certified to ISO 9001 - Quality Management Systems and ISO 13485 – Medical Devices Quality Management Systems. They make use of the standard version of the SSS INTACT integrated action management systems as an integral approach to ISO 9001 and 13485, but gain further management benefits and savings by using a version which has been extended by SSS to meet their needs. Whilst the exact configuration is specific to Bushell+Meadows, the concepts are applicable to many companies. In the examples shown below, names have been changed and commercially confident information has been deleted.

Benefits

Link to MRP done at the click of a button - Little effort required to transfer data for management meeting discussion.

Data from MRP can be analysed easily - Trends in problem areas can be immediately seen; easy to define corrective actions.

Non-conforming parts cards created from data which has been already entered - Prevents having to write cards which takes effort and can allow transcription errors to creep in.

Concession request automatically compiled in client's format - Prevents having to fill in separate form which takes effort, can allow transcription errors to creep in and is a source of delay. Provides a professional image to the client.

Input from Sage MRP

Bushell+Meadows use Sage as their production planning and control system. This provides an Excel file showing adverse costs, etc., for products over a selected period. INTACT automatically imports this file and provides a report for discussion at the weekly production meeting.

In addition, INTACT provides an analysis function that enables individual products to be studied in more detail.

Meeting Report

Weekly Production Review

Date 08/08/2011
Attendees George Smith, Peter Adey, Ron Albert, Paul Harrison
Apologies
Next Meeting 15/08/2011

Weekly losses FY 10/11-30

Code	Name	Qty	Selling Price	Cost Price	BOM Cost	Unit Loss	Total Loss	Comments	W/O
AO 9387	ROTOR							Run on small STAR but Hours well over and small batch	55553
N12948	SLEEVE							Part Batch review when 55647 completes	55646
02112	REAR HUB		Confidential information deleted					All Ops over	55544
PPY8294	NUT							Ops over	55554
N12924	INSIDE TUBE							Papar work missing	55574

Card production

One of the key philosophies with SSS action management systems is that data, in whatever format, is only entered once. This avoids the compilation of forms, cards, etc., and transposing the information into the management system. Such steps cost money, add delays and introduce the potential for transcription errors. However, where there are problems, cards are needed to accompany such parts.

Problems are entered into INTACT via the form shown in fig.3. At Bushell+Meadows, this can then print such a card in exactly the same format as the previously hand-written card as shown in fig.2.

Because the data has been entered, INTACT can also provide analysis and reporting of non-conforming parts.

NON-CONFORMING PARTS

Note No. 11/328

Part No. 2145-4070
Description: Housing assy
Drg Revision: 4

Qty: 1
Job No: 53858
Op No: 100

Operator:
Machine: de burr
Batch Qty: 12

Defect Information
1 of anodised surface broken at dia 23,20mm x 3 places

Cause: Process
Disposition: Concession

Raised by: Rob Jones
Date: 04-Aug-11

Fig. 2

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Concession request

Fig. 3 shows the non-conforming parts data-entry screen. Where the Concession box has been ticked in the Disposition section, the Concession Request button appears.

Clicking on this brings up the form shown in fig. 4, with all the data automatically appearing.

Being in the Aerospace or Medical sectors, many of Bushell+Meadows' customers typically have their own specific concession request form. INTACT is configured with such forms with each one linked to the customer to whom it applies. In addition, INTACT have details of the customer contact and their e-mail address.

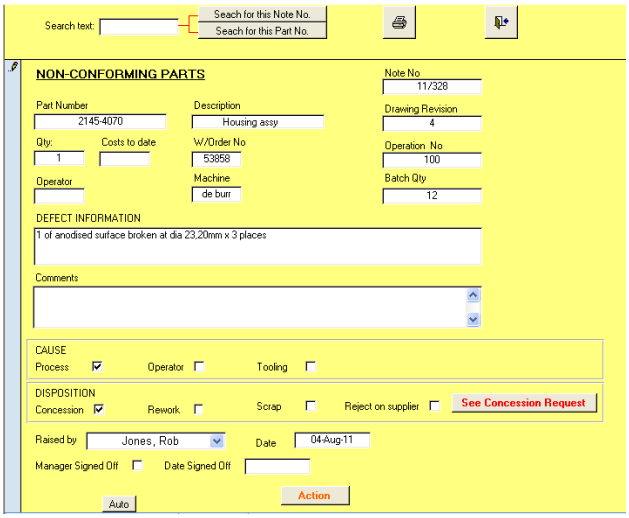

Fig. 3

Instead of having to enter by hand all the data into the customer's concession request form, and then fax or scan and e-mail the form, clicking the E-Mail button in fig. 4 e-mails the form with all the data to the appropriate person.

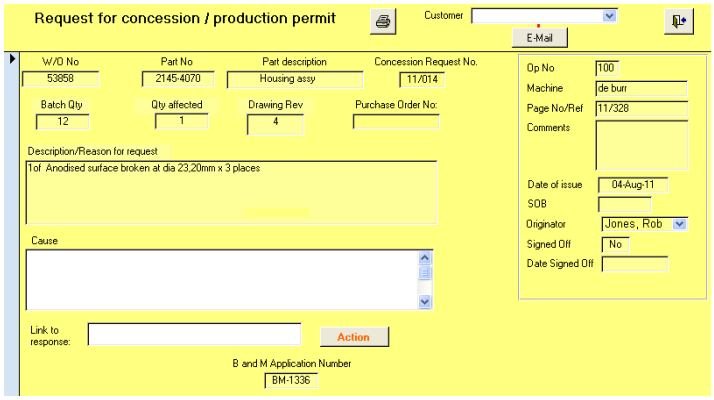

Fig. 4

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