

# Manufacturing Management System



## The Challenge

A large remanufacturer of ink jet cartridges (processing 20,000 cartridges a day), were experiencing considerable growing pains. Azteck identified that data transfer to and from the shop floor was a problem area.

## Azteck's Role

Azteck identified the need, specified, programmed and implemented the Manufacturing Management System.

**BatchCard**

Batch#  StockCode  Grade  Qty

Op#	OpCode	Description	NCP Total	Pass Qty	Who	Start	End
10	DisAs400	Label Removal		540	Francisco	26/3/08 14:26	26/3/08 14:53
20	Fill100	Cleaning Solution Reflux		540	AndrewMe	26/3/08 19:13	26/3/08 20:16
30	FUS100	Flush & Ultra-sonic Clean	2	538	claudio	29/3/08 4:41	29/3/08 6:44
40	Ink100	Ink Fill - Black		538	kasia	31/3/08 9:12	31/3/08 10:24
50	PrintF200	PrintTest, Check Weight and Seal	11	527	NicWil	2/4/08 7:57	
60	Clean300	Clean Exterior, Apply Label		527	ManjulaSa	2/4/08 10:56	
70	Clip100	Clipping		527			

**Operation Details**

Op#  OpCode  Description

OpNote

Buttons: Set, Traceability, NCP, Progress, LostTime, IssueToWO

Where	Who	Start	End	Time mins Elapsed
E08	DhanbaiPa	2/4/08 7:57	2/4/08 10:27	150
D05	NicWil	2/4/08 8:25		

Buttons: Start Operation, Pause / LostTime Operation, Resume > Play Operation, End Operation, Log Out

Manufacturing Batch Card: Delivers all instruction to and collects all data from the shop floor.

Screen shot by courtesy of our client, thank you. To protect the client's IP, false information has been introduced.

## Benefits

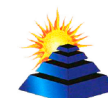
- Δ Fully integrated with Order Processing and the Quality System (also created by Azteck); the Production Planning and Batch Card system reduced form filling by 200 forms per day.
- Δ Analysis & Reporting across the business now available at a mouse click.
- Δ Product repeatability (Quality), Productivity and Data accuracy increased dramatically.
- Δ Key personnel able to concentrate on 'value adding' duties.
- Δ A bird's eye view of the plant with 'click thro' to any data may be viewed on any web-enabled computer in the world.

## Queen's Award for Enterprise

The client is now the world's leading remanufacturer and based on this system, is increasing productivity, yields and efficiency; while reducing costs.

We gratefully acknowledge our client's assistance in preparing this case study.

**Business Process Simplification**  
for  
**Businesses with Ambitions**



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