



RICHARDSON
INTELLIGENT SYSTEMS LTD.



STOCKTON MACHINE
COMPANY LTD

CASE STUDY

Workshop Dimensional Tool

1 OVERVIEW

“Following a client inspection, we identified the need to enhance our internal procedures for producing client Dimensional Reports. We require a system that allows workshop staff to accurately measure components at various stages of production, ensuring precise dimensional reporting.”

2 OBJECTIVES

- ❖ Enhance customer records to specify whether dimensional reporting is required for specific orders.
- ❖ Automatically flag orders that require dimensional measurements.
- ❖ Extend the Order Goods system to display outstanding Dimensional Reports at both the company and customer levels.
- ❖ Provide reminders for drawing submissions within the Orders document register to ensure dimensions are recorded.
- ❖ Develop a stand-alone application for recording dimensions in the workshop for drawings marked as requiring dimensional reports.

Case Study Reference: RIS-Q-024-002

3 SOLUTION

- ❖ Carryout requirements gathering and agree scope with client presenting ‘Options’ on how objectives could be met.
- ❖ Provide a breakdown on changes required for the ‘Order Goods’ ERP System.
- ❖ Draft/Demo how a workshop solution would be used by workshop staff.

4 IMPLEMENTATION

1. Modification of the existing SQL database to accommodate new functionalities
2. Updates to the order process, including an additional Dimensional Report tab and a flag for drawing documents within the register.
3. Creation of a Dimensions Builder pane alongside marked-up PDFs.
4. Modification of the root structure to incorporate a Dimensional Reports journal.
5. Development of a stand-alone application compatible with the Windows environment.
6. Conducted User Acceptance Testing with a gradual rollout.
7. Identified future hardware options, including for iOS and Android data capture.

5 RESULTS

The Order Goods ERP system was successfully modified, with the stand-alone solution following for User Acceptance Testing and review. The client’s system was updated within an eight-week timeframe from analysis to delivery for the Windows solution.

6 CONCLUSION / TESTIMONIAL

“The enhancements built upon the previously delivered document register have improved our data utilization. We look forward to the introduction of an iOS/Android solution for wider rollout.”

7 CONTACT INFORMATION

Telephone: 07989 423 427
e-mail: info@risystemsLtd.co.uk
website: www.risystemsLtd.co.uk
Address: Suit B2, Cargo Fleet Offices,
 Cargo Fleet, Middlesbrough,
 TS6 6PT

