

# Hydraulic Couplings



**Sturtevant  
Richmont®**

Torque Measurement Systems

Division of Ryeson Corporation  
555 Kimberly Drive  
Carol Stream, IL 60188  
International: (011)847.455.8677  
Domestic: 800-877-1347  
Fax: 847-455-0347  
email: [customerservice@sr torque.com](mailto:customerservice@sr torque.com)

## **Situation:**

An equipment manufacturer experienced increased rework cost from torque related issues with hydraulic couplings. Warranty claims were typically filed in the first 80 hours of equipment usage.

## **Goal:**

Reduce rework costs while improving customer user experience and keeping the dealers happy.

## **Challenge:**

Multiple couplings were located in hard to reach places. One or more couplings maybe be missed or the torque values were incorrect.

## **Solution:**

Use the Sturtevant Richmont Global 8 Torque Management System combined with the Exacta® 2 1100 Series Digital Torque Wrench. The wireless/digital torque wrench could reach hard to access places during assembly and ensure torque was applied accurately. Because the Global 8 Torque Controller has two-way communication with Ethernet capable manufacturing systems, the job parameters are pulled to the Controller. Working together, the Controller and wireless wrench designate job requirements and counts work done so no fasteners are missed. The wrench provides feedback guiding the worker at the point of application, to ensure work was done properly the first time. Quality audits showed dramatic product improvement.

## **Results:**

Torque related rework vanished making dealers and customers happier.

## **ROI:**

The reduction of rework costs alone paid for the Sturtevant Richmont Global 8 Torque Management System in less than 4 months.

This is a true story. For help in solving similar quality and error-proofing problems around torque related issues contact Sturtevant Richmont at [customerservice@sr torque.com](mailto:customerservice@sr torque.com)

***Sturtevant Richmont: Your Quality is Our Business***