



**Stucchi**<sup>®</sup>  
A CONSTANT FLOW OF SOLUTIONS

# STUCCHI SOLUTIONS PRODUCTIVITY

## OVERVIEW

A multi-coupling solution provides answers to a tier-2 auto parts manufacturer's needs and benefits their business in a variety of ways.

## CHALLENGE

The auto parts manufacturer had been struggling to improve their SMED (single-minute exchange of dies) system, since they were often exchanging dies to accommodate production runs of different parts.

## SOLUTION

Switching from their standard single push-to-connect manual couplers to multi-coupling plates for their hydraulic and water coolant lines sped things up on the production floor. First, we engaged in a discovery process to learn exactly how the couplers impact this manufacturer's process and objectives.

During this process analysis, key areas of improvement were identified. The current process was creating an operator inefficiency, limiting the ability to achieve the SMED objective. In addition, quality was an issue: the quality of finished goods was being impacted, and previous attempts to increase efficiency had failed for the same reason.

**The Stucchi Solution—a GRE series multi-coupling plate allowed a 6-minute reduction in the time taken to exchange dies.**

It was essential that the solution address productivity objectives without negatively impacting quality and maintaining safety standards. The GRE series, designed as a solution for industrial applications, provided the answer for fast tool changes, reducing down-time between production runs. Due to its superior guidance pin system, the GRE series connects with little effort, preventing inversion of circuits with error-free connection.

## RESULTS

The SMED improvement allowed the manufacturers to produce parts quicker and easily switch dies between runs. Since the multi-coupling plates also eliminated leakage and managed stored energy, safety was improved and clean-up times were reduced.

## BENEFITS

**Producing more parts faster allowed the manufacturer to**

- land a new customer, a big 3 automaker
- reduce finished goods inventory
- add 2 more production lines for further efficiency
- capture 25% additional business

Oil & Gas

Mobile

Industrial

Agricultural

# STUCCHI SOLUTIONS MEASURE THE BENEFITS

Delivering Safety/Health, Total Customer Satisfaction, Efficiency, Environmental, and Productivity Results

## ✓ ENSURE SAFETY

- Reduce number of reportable workplace incidents and injuries
- Meet continuous improvement safety initiatives
- Secure operator safety by defeating 'the silent killer', stored energy with thermal expansion
- Reduce incidents of slips, trips, and falls caused by leaking hydraulic fluids

## ✓ TOTAL CUSTOMER SATISFACTION

- Meeting total customer needs for Safety/ Health, Efficiency, Environmental Impact and Productivity issues
- Offering total solutions instead of stop-gap measures alone, for complete customer satisfaction

## ✓ IMPROVE EFFICIENCY

- Meet deadlines by remaining on schedule
- Eliminate work shutdowns due to leakage concerns
- Save time switching out equipment lines
- Create more time for preventive maintenance

## ✓ ELIMINATE ENVIRONMENTAL ISSUES

- Reduce cost by eliminating fines and remediation fees
- Protect environment from leaking hydraulic fluid

## ✓ INCREASE PRODUCTIVITY

- Prevent unintended downtime
- Meet or exceed productivity goals
- Reduce non-productive time
- Create potential business growth opportunities

Find out more about how Stucchi solutions can benefit your business.  
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