

CONTROLLING THE FLOW

YOKOGAWA 

[VIEW BROCHURE](#)

[ROTOMASS TOTAL INSIGHT
DOWNLOAD](#)

[WHAT IS TOTAL INSIGHT](#)

[ROTOMASS PHILOSOPHY
GIVES TOTAL INSIGHT
THROUGHOUT THE
PRODUCT LIFE CYCLE
READ MORE](#)

[GENERAL SPECIFICATIONS](#)

[ROTOMASS GENERAL
SPECIFICATIONS
READ MORE](#)

[JMI INSTRUMENTCO.](#)

[PRODUCTS
SERVICES
ABOUT COMPANY
CONTACT US](#)

DOSING OF SURFACTANT IN SYRUP STREAM

Application: Controlling the flow of surfactant dosing in syrup streams. Surfactant dosing helps extract corn oil, which is the most expensive/profitable product (per pound) that this plant produces. If too little surfactant is dosed, corn oil is left behind in the syrup and efficiency along with profitability decreases. If too much surfactant is dosed, chemicals are wasted and efficiency/profitability decreases. Getting the correct flow rate is crucial!

Challenges: Many Ethanol production processes still use a manual draw down method to check or change surfactant flow rate. It's a manual process that involves filling a graduated cylinder with surfactant, then letting the pump draw from the cylinder while recording time. From there they would calculate the dosing rate. This is a very time intensive process and does not give much control of flow rates.

Solution: JMI's solution was to apply the Rotomass Prime coriolis flow meter from Yokogawa's Rotomass Total Insight multi-Tier series of Coriolis Flow Meters. The Rotomass Prime is a flexible and cost effective solution for highly accurate flow and density measurements. With advanced density calibration and process insight alarms, accurate and reliable mass flow readings are a guarantee.

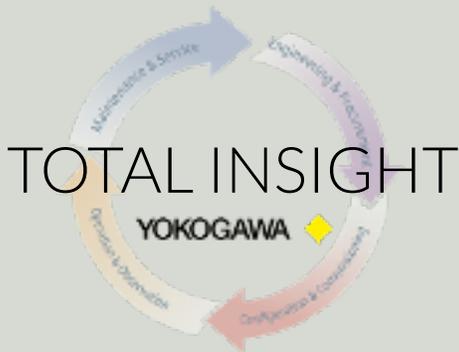
Result: After 3 months of successful runtime this is what our customer had to say...

"We have seen significant process improvements since the unit was installed. The Yokogawa Rotomass Coriolis meter has allowed us to control the surfactant flow to a degree we have never been able to in the past. This has led to significant savings on the chemical as well as enhanced ability to set up alarms to determine when our pumps are having problems."



"We have seen significant process improvements since the unit was installed. The Yokogawa Rotomass Coriolis meter has allowed us to control the surfactant flow to a degree we have never been able to in the past. This has led to significant savings on the chemical as well as enhanced ability to set up alarms to determine when our pumps are having problems."

ROTOMASS TOTAL INSIGHT MULTI-TIER SERIES OF CORIOLIS METERS



The ROTAMASS philosophy gives Total Insight throughout the product life cycle.

To facilitate optimal processes and increase the efficiency of personnel, Yokogawa has placed a strong focus on simplifying fundamental operating concepts with Total Insight. The Total Insight concept is built in to the latest generation of Rotamass transmitters and provide enhanced settings for customized setups, tube health check, process disruption alarms, pre-defined trend views, or multiple configuration sets for fast changeover in batch production are supported.

- SIMPLIFIED SELECTION
- MAINTENANCE MANAGER
- EXPERT GUIDE
- DATA MOBILITY
- PROCESS GUARD
- ADVANCED FLEXIBILITY

FLOW CONFIGURATOR

EXPLORE WHICH CORIOLIS FLOW METER SOLUTION FITS YOUR PROCESS.

[LEARN MORE](#)

WATCH THE PLAY LIST

QUICKLY LEARN MORE ABOUT THE FEATURES AND APPLICATIONS OF THE ROTOMASS TI IN THIS VIDEO SERIES OF HIGHLIGHTS.

[WATCH NOW](#)



ROTOMASS prime

Versatile in Applications

The versatile Coriolis flow meter with superior turn down and lowest pressure drop in the market.



ROTOMASS hygienic

Specifically designed and certified for food and beverage, biotechnology and pharmaceutical utility applications.

The appropriate to answer to the daily constraints of hygienic processes and CIP processes ensuring continuous product quality and minimizing losses



ROTOMASS giga

Big in Performance

The unmatched accuracy at the low end of the measuring range offers maximum flexibility from engineering to final operation. This series unifies a long service life with low maintenance costs and reliable performance.



ROTOMASS intense

Built to Outlast

Thick seamless measuring tubes coupled with secondary and leak detection give peace of mind to the safety of your application. The patented tube integrity and total health check diagnostics give more insight into your process to help reduce down time, keeping your process profitable.



ROTOMASS supreme

Having a Precise Measurement is No Longer Enough

Continuous and reliable operation is just as important as the measurement being made. The Rotomass supreme ensures uninterrupted measurement by design and specialized density calibrations allow for concentration measurements.



ROTOMASS nano

When every Drop Counts

The world's smallest dual bent tube Coriolis Flow Meter will optimize low dosing and chemical injection applications.