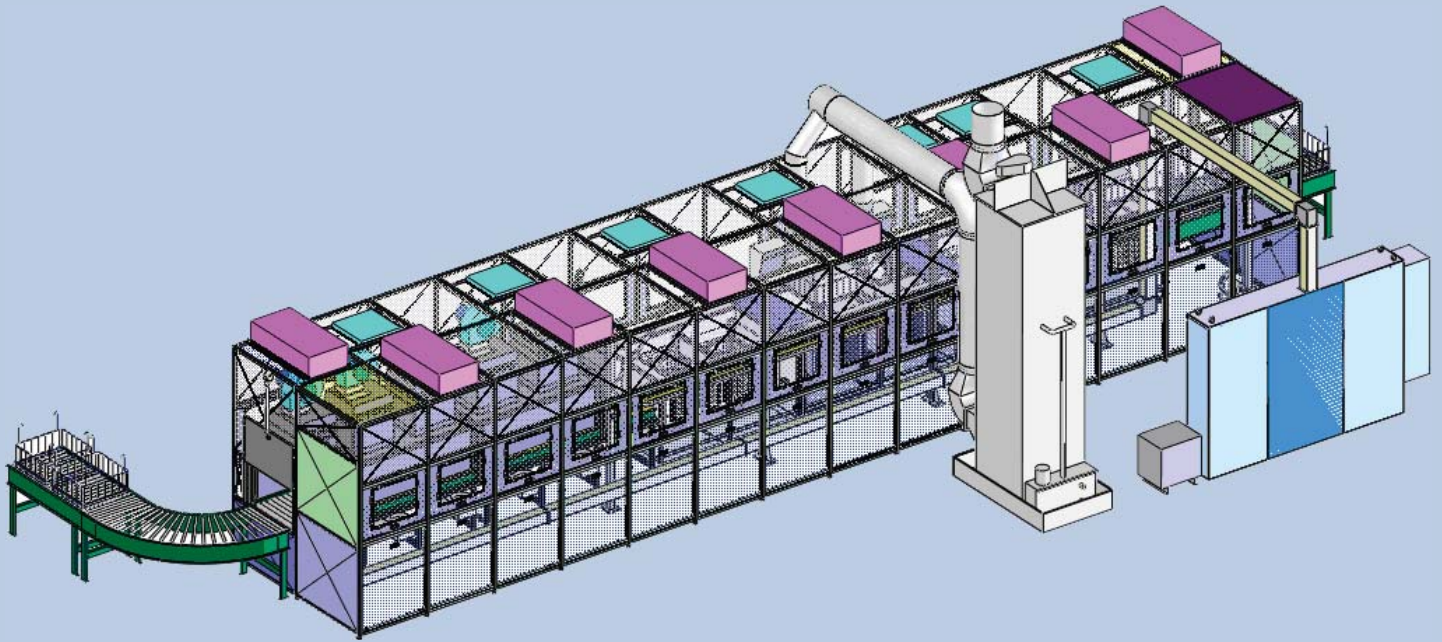
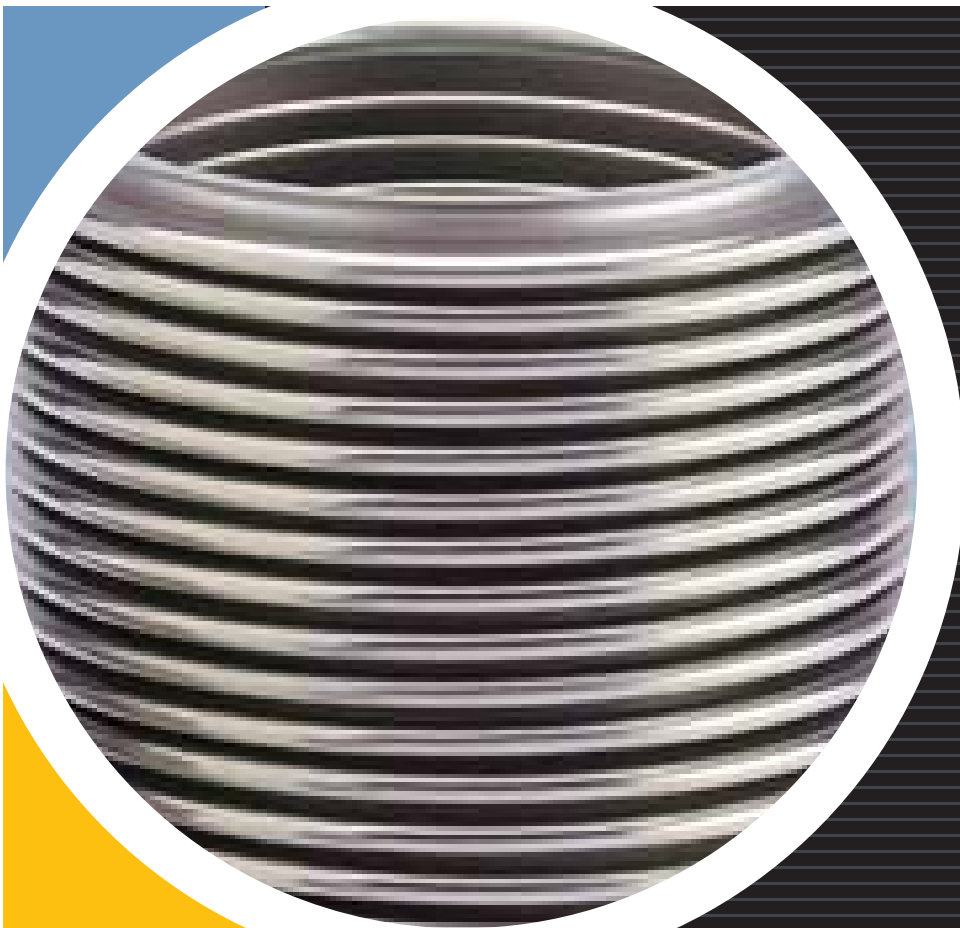


Cleaning Technologies Group



CLEANING & PASSIVATION



TRANSFUSION BELLOWS

Cleaning Technologies Group

CLEANING & PASSIVATION

TRANSFUSION BELLOWS

The Challenge:

Contamination: Forming Oil

Cleaning Expectations: Parts Per Million

Drying Expectations: 100% Dry

Part Acceptance Method: Mass Spectrometer & Black Light Test

Production: 1,200 Parts Per Hour

Loading / Unloading: Automatic

Preceding / Succeeding Ops: Forming / Laser Welding

Footprint Constraints: None

The Solution:

Equipment: Ultrasonic Tank to Tank Cleaning & Passivating System

Sequence: Wash, Rinse, Rinse, Nitric Passivate 1 & 2, Rinse, Rinse, & Dry 1 & 2

Cleaning Mechansims: Immersion, Ultrasonic Energy, & Chemical Processes

Drying Mechansim: High Volume, Heated Air

Features: Environmental Enclosure, Solution & Air Filtration, Load / Unload Conveyors,
System Modem, PLC & HMI

Actual Footprint: 51' long x 9' wide



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