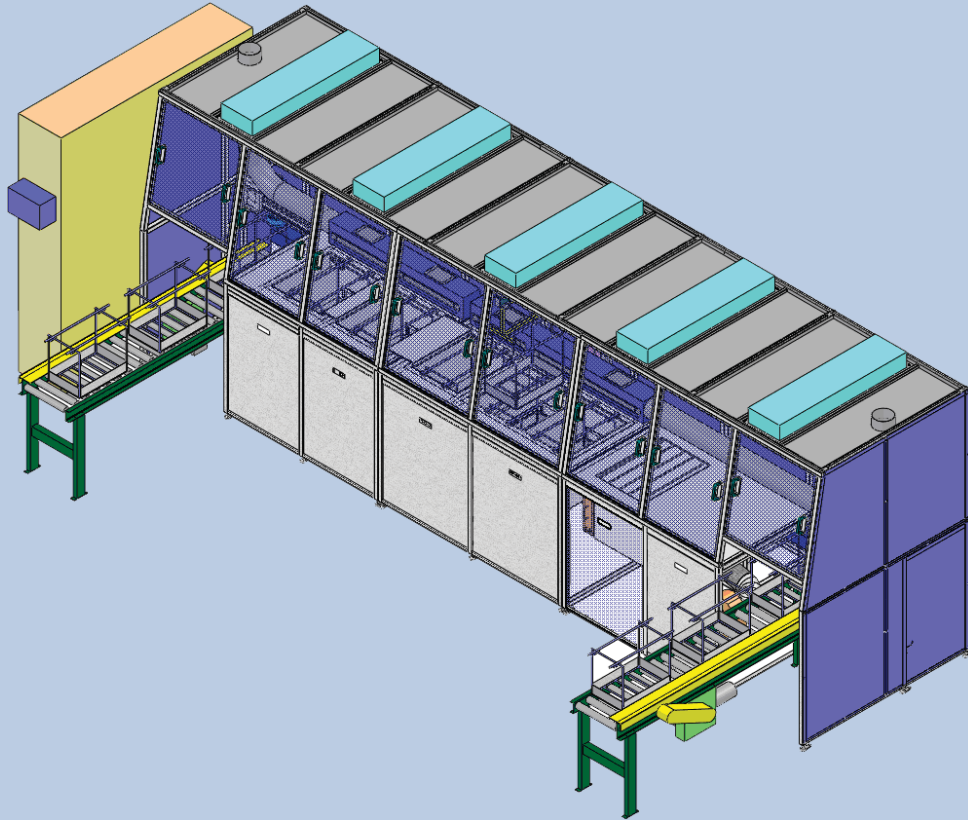


# Cleaning Technologies Group



CLEANING & PASSIVATION

SPINE IMPLANTS



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## CLEANING & PASSIVATION

### SPINE IMPLANTS

## The Challenge:

**Contamination:** Free Iron from the Manufacturing Process

**Cleaning Expectations:** 100% Removal of Free Iron

**Drying Expectations:** 100% Dry

**Part Acceptance Method:** Copper Sulfate / Humidity Chamber

**Production:** Variable Based on Passivation Process Required

**Loading / Unloading:** Automatic

**Preceding / Succeeding Ops:** Machining / Package

**Footprint Constraints:** None

## The Solution:

**Equipment:** Ultrasonic Tank to Tank Cleaning & Passivating System

**Sequence:** Wash, Rinse, Passivate, Rinse, Rinse, & Dry

**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 Capable of up to 4 Million Programs for Part Cycle Tracking

**Actual Footprint:** 23' long x 9' wide



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