



BLACKSTONE-NEY

ULTRASONICS



FINAL CLEANING & PASSIVATION

CASE STUDY

SPINE IMPLANTS



LEAN AQUARIUS

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

THE SOLUTION:

Equipment: Lean Aquarius

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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