



**BLACKSTONE-NEY**

ULTRASONICS



Machine Model- AQ-6-1054

CASE STUDY

Glass Panel (24" x 48")



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# AQUARIUS

## THE CHALLENGE:

**Contamination:** Finger Prints, Glove Smears, Edge Grinding Dust, Silicates

**Cleaning Expectations:** 4.5 contact angle/No defects visible with unaided naked eye at 25 k lux

**Drying Expectations:** Visually dry

**Part Acceptance Method:** Contact Angle/Light Inspection

**Production:** 48 panels per hour

**Loading / Unloading:** Manual

**Preceding / Succeeding Ops:** Edge grinding/deposition

**Footprint Constraints:** None

## THE SOLUTION:

**Equipment:** Aquarius AQ-6-1054

**Sequence:** Ultrasonic Immersion Wash, Spray, Ultrasonic Immersion Rinse, Capillary Dry, HEPA Air Dry

**Cleaning Mechansims:** Impingement Spray, Multi-Frequency Ultrasonics

**Drying Mechansim:** HEPA "DeIonized" Air Dryer

**Features:** Servo Driven Hoist, Controlled Environment, Actuating Spray Rinse, Multi-Frequency

Ultrasonics, Capillary Dry, HEPA Dryer, Data Trending

**Actual Footprint:** 27' long x 8' wide

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