

CAPABILITY STATEMENT



GROUP COMPANIES

Clean Imagineering LLC, sales and services group, and CleanLogix LLC, wholly owned subsidiary manufacturing group.

About Us

- More than 40 Years in CO₂ Technology Development and Commercialization.
- First Developments at Hughes Aircraft in 1984.
- State-of-the-Art CO₂ Spray, Immersion, Plasma, and Hybrid Technology.
- Precision Cleaning, Cooling, Lubrication, and Value Extraction Applications.
- CO₂ Powered Clean Manufacturing Solutions for the Bench, Floor, and Production Tools.



David P. Jackson, Founder and President (aka CO₂ Guy)

Experience: 40 years in CO₂ Technology Development, Supplier to Fortune 100 and 500 Manufacturing Companies, 50+ Patents, and Numerous Commercial Products.

NAICS Codes: 333318, 339112-10, 334513-05, 541690, 541330

Leading pioneer of cost- and performance-effective CO₂ Powered solutions for both large and small manufacturers. Companies have benefited financially from improved product quality, greater manufacturing productivity, reduced manufacturing waste, lower energy costs, and improved environment and worker safety.

MARKETS AND CUSTOMERS



Automotive, Aerospace, Medical, Data Storage, Semiconductor, Microelectronics, Photonics, Ophthalmic, Telecommunications, and Precision Manufacturing.



CAPABILITIES

Build-Clean Technology: Precision Cleaning for High-Value, High-Reliability Hardware Manufacturing.

Difficult Machining Technology: Enhanced Titanium and Superalloy Drilling, Grinding, Milling, and Sawing Operations.

Process Automation: Collaborative Robotics and Siemens Technology.

Expert Consulting: Critical Cleaning and Contamination Control (C4).

Contract Cleaning: HP LOX Gauges and Silicone Electronic Cable Outgas Extraction.

CO₂ POWERED SOLUTIONS

Products: PowerSno™ CO₂ Composite Spray Systems, KinetX™ CO₂ Immersion Cleaning and Extraction Systems, PurCO₂™ Process Fluids Purification, Recycling, and Delivery Systems, and Equipment Rentals.

Technologies: CO₂ Composite Spray, Centrifugal Liquid CO₂, Supercritical CO₂, and Atmospheric Plasma.

Contaminants and Treatments: Microscopic Particles, Nonvolatile Residues, Thin Films, Outgassing Compounds, Surface Modification (polarity, wettability), and Machining Heat and Friction Reduction.

Applications: Adhesive Bonding, Optical Device Cleaning and Coating, Electronic Device under Test (Probe and Socket Testers), Clean Build, Wire Bonding, Cosmetic Painting, Injection Molding, Cleaning Complex Devices (3D Printed Metals), Clean for Precision Inspection (CMM), Laser Processing, and Titanium Machining.

Automation and Implementation: Spray Monitoring, Collaborative Robots, Cleaning Cells, and Insp

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