

## Technical Centre Facilities

**Novaline** Australia's leading supplier of a wide range of cleaning agents and equipment, with offices in Sydney and Melbourne announces customer access to expanded technical centre facilities.



A wide range of equipment with capabilities to meet the variety of cleaning challenges encountered in the electronics, precision and general cleaning areas is available for customer evaluation trials.

Cleanliness test data plus photographic records are available as part of our complete solution to customer cleaning problems.

### **Providing Effective Solutions to Solve Any Cleaning Problem**

Novaline offers a variety of cleaning agent families to provide a tailored cleaning process to meet your requirements. Cleaning agent options include aqueous, semi-aqueous, co-solvent and next generation fluorosolvent formulations. A variety of cleaning equipment and cleanliness testing instrumentation is used to simulate current and proposed processes. Our experienced staff is ready to solve your cleaning problem in a minimum of time.

**Electronics:** Replacement of HCFC 141b in high reliability flux removal applications without compromising compatibility, reliability of costs.

**Precision Cleaning:** Removal of a variety of soils ranging from simple stamping oils to complex cutting oils and buffing compounds on parts with complex geometries such as fuel injectors and gyroscopes.



### **Cleaning Agent Options:**

**Fluorosolvents:** are used alone, as azeotropes with various other ingredients, as blends with organic solvents (in the co-solvent process) and as the basis for spot free drying fluids. Most modern vapor degreasing equipment can use or be modified to use these processes as is, avoiding replacement costs.

**Aqueous:** the BIOACT® line of aqueous formulations is designed to provide fast cleaning with minimal environmental impact.

**Semi-Aqueous:** Terpene and aliphatic ester based Bioact® formulations and hydrocarbon based AXAREL® formulations have found wide use as cleaning agents for electronics and metal cleaning.

**Non-Aqueous:** Novaline offers a full line of cleaners for water free processes.

### **Cleaning Equipment**

**Batch Vapor Defluxers/Degreasers:** Various sized units range from standard configurations with and without ultrasonics to units that have been modified to provide adjustable parameters for customized processes.

### **Aqueous and Semi-Aqueous Cleaners:**

Highly flexible single and multiple tank batch units fitted with sweep frequency ultrasonics.

**Spray Cleaner** > Capable of either spray in air or spray under immersion operation with aqueous, emulsion, semi-aqueous or non-aqueous cleaning agents.

### **Cleanliness Test Instrumentation**

**Omegameter:** The industry standard for measuring ionic residues.

**Microscopes:** High power stereo microscopes enable critical visual examination and comparison of contaminated and cleaned parts



### **Gas Chromatographs**

**Spectrophotometers:** determine or verify chemical compositions, and assess and identify any residues remaining on parts after cleaning with either control or test processes.

SIR, AES, SEM and less common analyses are also available.