

# FORWARD TECHNOLOGY F-500 SERIES Bi-Solvent Cleaning System

...designed specifically to employ SCAQMD Clean Air Certified Methyl Soyate\* and 3M™ Novec™ 7200 Engineered Fluid

**The Forward Technology Patent-Pending F-500 uses Clean Air Certified solvents with Crest's ceramically enhanced transducers to produce unrivaled cleaning for your application.**

## *Advantages*

- Our patent-pending process uses SCAQMD Certified Clean Air Solvents
- Methyl Soyate is biodegradable, inexpensive, and is an excellent solvent
- Bulk of contaminants are removed in the Methyl Soyate tank which minimizes the usage of 3M™ Novec™ 7200 Engineered Fluid
- Boil Sump Recycle Mode purges contaminated Methyl Soyate from the boil sump, reducing or eliminating the need to periodically drain the boil sump
- Smaller footprint and less expensive to operate when compared to aqueous cleaning and more eco-friendly than current solvent processes

## *Our Process*

- Parts are immersed in Methyl Soyate and sonicated, removing contaminants like oils, heavy waxes, and particles
- The parts are rinsed and sonicated in distilled 3M™ Novec™ 7200 Engineered Fluid and then dried
- The parts emerge from the machine clean and free from any residual Methyl Soyate

## *Features*

- Wash and Rinse Tanks clean with Crest 40, 58, 132, or 192 kHz ultrasonics
- Immersion heating
- Recirculation of Wash and Rinse Sump with Cartridge Filtration
- 120% freeboard ratio



**F-500-121010**



\* Methyl Soyate from Ag Environmental Products, sold under the brand name Soygold 1000 and Soyclear 1500, meet the SCAQMD Rule 1122 Method 313 criteria for solvent degreasers, and are Clean Air Certified.

# F-500 Series Bi-Solvent Solvent Cleaning Systems

| Model        | Overall Dimensions<br>W x L x H | Tank Size     | Distillation Rate | Boiling Heat | Load Cap.     | Solvent Capacity | Electrical Requirements | Ultrasonics                  |
|--------------|---------------------------------|---------------|-------------------|--------------|---------------|------------------|-------------------------|------------------------------|
|              | <i>Inches</i>                   | <i>Inches</i> | <i>Gal/Hr</i>     | <i>kW</i>    | <i>Lbs/Hr</i> | <i>Gal</i>       |                         |                              |
| F-500-121010 | 36 x 60 x 70                    | 12 x 10 x 8   | 5                 | 2            | 150           | 15               | 208V-230V - 3 PH - 30A  | 40, 58, 132, 192 kHz - 1000W |
| F-500-181212 | 40 x 105 x 54                   | 18 x 12 x 12  | 8                 | 3.3          | 600           | 33               | 208V-230V - 3 PH - 60A  | 40, 58, 132, 192 kHz - 2000W |
| F-500-221410 | 44 x 115 x 50                   | 22 x 14 x 10  | 10                | 4            | 1200          | 40               | 208V-230V - 3 PH - 60A  | 40, 58, 132, 192 kHz - 2000W |
| F-500-242020 | 52 x 120 x 70                   | 24 x 20 x 20  | 16                | 6.5          | 2000          | 110              | 460V - 3 PH - 40A       | 40, 58, 132, 192 kHz - 3000W |

The Forward Technology F-500 Series is ideal to remove organic residues like mold releases, waxes and pitches, lubricants, heavy greases, adhesives, inks, and other difficult to remove substances...all without the use of ozone depleters, hazardous air pollutants, or proposition 65 listed substances.



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F-500

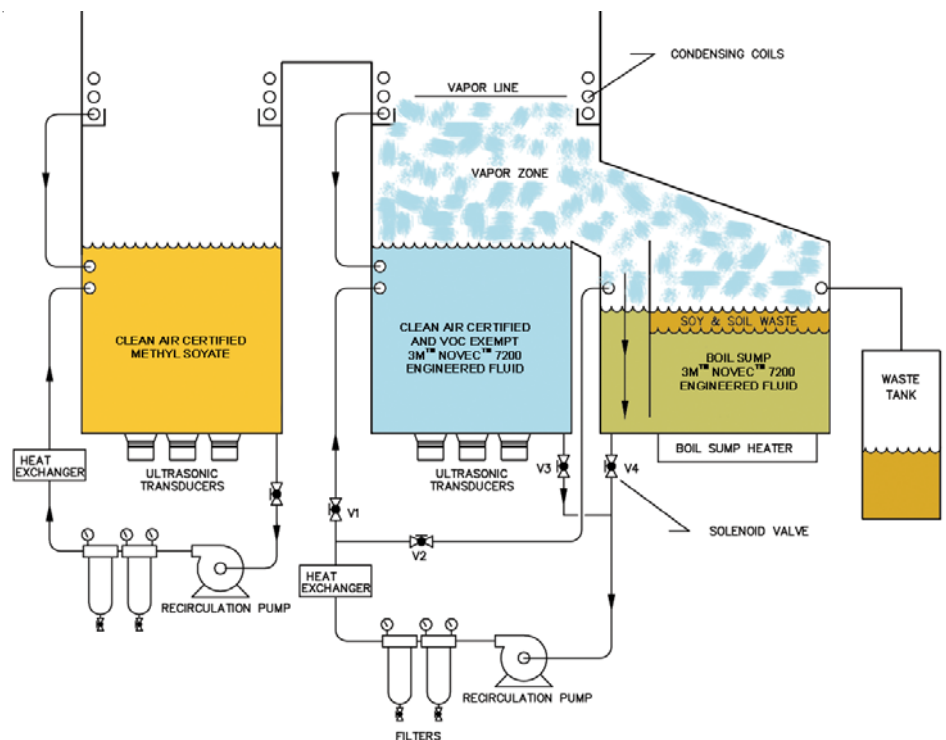
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## Safety

- Tank over temperature signal with solvent recycle notification
- Extended freeboard volume
- Immersion and boiling tank low level control
- Vapor level control with reset

## Options

- Desiccant water removal
- Baskets
- PLC controlled transport system and upper enclosure
- Automatic downtime cover
- Load / unload conveyors



## Conceptual Layout

3M and Novec are trademarks of the 3M Company