



# ImmersoSonic immersion/ultrasonic washers

## NEW TECHNOLOGY - BETTER AGITATION!

Better Engineering's immersion washers are effective for cleaning intricate parts and components that have blind holes or passage ways, or parts that cannot be disassembled. The parts are placed completely in the tank of cleaning solution and the agitation process forces the cleaning solution into all the tight areas of the component. The S-22 immersion washer is a modular multi-stage system with advanced oil skimming technology and optional ultrasonic cleaning capabilities.





# New Standard for immersion washers

The S-22/14 ImmersoSonic line of machinery has established a new, higher standard for immersion washers.

- Better Platform Agitation... designed around a 22" long x 14" wide agitating platform; linear guide rails and other features make this "engine" smoother and more reliable
- Modular Design... three (3) types of modules and numerous options make it easy to have the ideal system with unlimited stages
- Larger tanks... BE found a way of extending the tanks beyond the cylinders that power the platforms; the larger tanks hold more chips/ dirt and keep the contaminants away from the parts
- No more side tanks and floor sprawl... the pumps required for agitation and filtration and the oil skimmers are now mounted to the main tanks for a more compact design
- New oil skimming technology/ cleaner parts... before parts are lifted out of a bath, oils are blown to the "new" rear tank extension and windows power shut to trap the oils in the skimming section



## Standard features



▶ Central Control System

NEMA-12 central control panel standard; PLC and HMI optional.



▶ New Oil Skimming Technology

Floating oils are swept away with a spray manifold to achieve cleaner parts... before parts are lifted out of a bath, oils are blown to the "new" rear tank extension and windows power shut to trap the oils in the skimming section.



▶ Pneumatic Controls

Pneumatic controls power each 22" long x 14" wide agitating platform for better platform agitation.



▶ Powered Lids

Lids are powered automatically with pneumatic cylinders.

## Standard features

- Powered Platforms (22" long x 14" wide) for each module
- Agitation... up to 200 strokes per minute (short and long strokes)
- Three (3) Types of Modules (unlimed stages): 1. Heated (HT) Immersion Module; 2. Non-heated (CT) Immersion Module; 3. Heated Dry (DH) Module
- Stainless Steel Construction
- Full Insulation
- "V"-shaped Tank Floors, Pitched to Rear
- Pneumatic Controls, includes filter/regulator & silencers
- Central Control Panel, Nema 12

## Optional features

- Ultrasonic Cleaning
- Water Level Controls and Auto Fill
- Pump for Agitation and Filtration
- Micron Bag Filter
- Oil Skimmer - Belt Type
- Oil Sweeper and Powered Windows for Containment
- Full System Enclosure with Lexan Panels
- Ventilation Hood
- PLC and HMI
- Loading Deck
- Unloading Deck
- Main Breaker Disconnect
- Sump Tank
- Pressure Switch
- Flow Sensor
- Conductivity Meter
- Chemical Dosing Pump
- Chemical Siphon Valve

## Optional features



▶ Pump for Agitation and Filtration

The pumps required for agitation and filtration and the oil skimmers are now mounted to the main tanks.



▶ Ultrasonic Technology

"TRU-Sweep" frequency 39-41kHz; can be used with wash and rinse immersion stages; 2000 Watts



▶ Micron Bag Filter

Micron bag filter continuously filters immersion bath.



▶ Centrifugal Blower

95% of air is re-circulated to conserve energy.

# Aqueous detergents



## Better Engineering Aqueous Detergents

These detergents are specially formulated to maximize cleaning performance and to protect your machine. These detergents, backed by “BE’s” chemistry department and factory test center, allow Better Engineering to offer customers a full service cleaning solution.

## benefits of “BE” chemistry

- Biodegradable – No VOC’S, non-flammable, and generally non-hazardous
- Lower pH’s – Generally safe on all metals
- Forces oils to the surface for easy skimming
- Low foaming – Designed for powerful spray washers and agitation
- Excellent rust inhibition
- Free-rinsing

## lab test services

### Engineering Test Lab & Machine Demonstration Center

Better Engineering has a complete engineering lab and machine demonstration center to test clean your parts. We feel that seeing is believing and that is why we invite you to visit our plant and test center in Baltimore, MD. See your parts get cleaned first-hand. Can’t make it to Baltimore? Send your parts and we’ll test clean them for you and return the cleaned parts with a detailed report of our process, the results, and the recommended machinery. Contact Us for additional information or to schedule your **FREE** parts cleaning test.