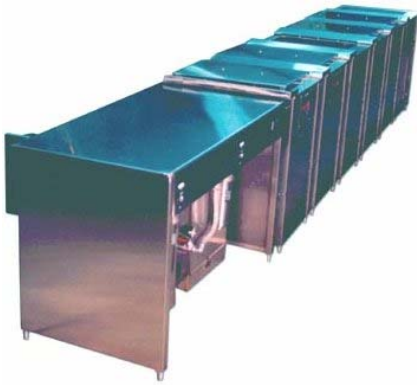


BATCH LOAD AGITATION AND ULTRASONIC CLEANING SYSTEMS

MANUAL AND SEMI AUTOMATIC SYSTEMS Designed to process batch loads (baskets, trays, etc) of parts where they are transferred through any combination of immersion stages including ultrasonic and agitation, spray, air wipe and dryer stages with either manual or automatic vertical lower/raise and manual horizontal transfer. Typical applications and features include:

- Parts from headers, screw machines
- Cell cleaning installations
- Random or fixtured orientation
- Interface with robots
- Individual machined parts
- Central cleaning installations
- Automatic or manual feeds
- Use with Vision and other inspection



◀ Ultrasonic Transducerized Tanks (CT)

These stainless tanks have integrally bottom-mounted ultrasonic transducers, double wall construction and a complete list of optional features. Each tank is modular and can be configured in any arrangement as a console to meet a variety of applications. Tanks sizes range from 9 gallons to 37 gallons and include dryer, filter, heat, lids and similar options.



◀ Automatic Lift Station (ALS) and LifSonic Stations (LS) ▶

Individual tanks with lift platforms for vertical oscillation and agitation action to compliment the ultrasonic action. A wide variety of modular tanks can be configured into any combination. Tanks sizes start at 25 gallons and 50 lbs capacity for economical Lif-Sonic stations. Options include items such as filters, dryers, and different power ratings.



◀ Semi Automatic Lift Stations (Miji Lif)

These systems are larger and have even more options and features including high power ultrasonics, lift capacities from 150 to 2,200 lbs. and liquid capacities from 40 to 1,200 gallons. Roller platforms allow for easy manual horizontal load transfer while the lifts perform the aggressive vertical lift and agitation. Partial tunnels, ventilation and dryer options, full line of filtration equipment and expanded electrical control features permit sophisticated process applications.

FULLY AUTOMATIC SYSTEMS Designed to process batch loads of products through the full process cycle from load to unload. Horizontal transfer of loads occurs automatically between each station generally by either push transfer or lift transfer. Loads are handled vertically by a lift station or spray, as appropriate for the application. Typical applications and features include:

- Single parts or basket loads
- Automotive, Aviation, General Industry
- Fixed orientation or Rotation
- Dryers, Filtration, Ancillary equipment
- Machined, cast, formed parts
- New production or remanufacture
- Aqueous or Mineral Spirit systems
- Special and Custom Systems



◀ **24 Numatic Fully Automatic Systems**

These systems are similar to the semi-automatic systems except are full automation with a full tunnel and automatic horizontal transfer mechanisms. Typically capacities range from 150 to 450 lbs. and 85 to 155 gallons per tank.



◀ **Mag 30 Numatic Fully Automatic Systems**

Larger capacity systems with full integration of all features such as ultrasonics, agitation, sprays, filtration, multi-stage dryers, demisters, automatic process controls, etc. Available with both rotation or non-rotation capability, they address a wide range of applications. Ratings are typically 1000 lbs. lift and 230 gallons per tank station.



◀ **Automatic Lift Transfer Systems (ALS)**

Hoists and other types of load transfer can be combined with even greater capacity tanks to accommodate very large load requirements. Tanks to 1200 gallons and above can be considered for special systems requirements.



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