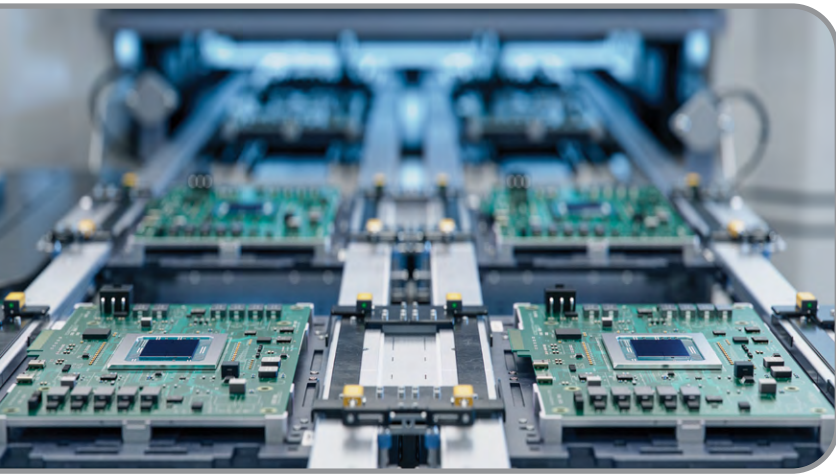


## Finish Thompson Advantages: Electronics Market



### Electronics Market Demands



#### Reliable Systems

Electronics manufacturing involves processes that utilize chemical pumps to deliver finished products. If any of these systems fail, production shuts down. Each step in the process must be completed with accuracy. This requires reliable systems from start to finish. Such systems include:

- Plating bath applications
- DI water systems
- Cleaning tanks



#### Precision Processes

Systems in the electronics market must be designed for accuracy. The slightest deficiencies can render products useless because variances aren't acceptable. Precision systems are required for processes such as:

- Eliminating microbubbles
- Effective filtering
- Accurate flow and pressure for spray bars
- Plating chemical adherence



#### Stringent Standards

Electronics manufacturers must meet high standards set by multiple regulating organizations. These associations hold manufacturers accountable for compliance and safety.



# Pumping Solutions for the Electronics Industry

Pumps play an integral role in the manufacturing of electronic systems. With the right pumps in place, manufacturers can create reliable systems, complete precision processes, and meet stringent standards. Common pump solutions include:

- **Filtering:** Filter solutions to maintain clean, quality conditions
- **Pressure & flow:** Provide pressure and flow to spray bars; provide high flow at low pressure for flood bars
- **DI water management:** Transfer DI water for cleaning and other processes
- **Quality control:** Eliminate microbubbles to improve board quality
- **Sump management:** Transfer chemicals and rinse waters from sumps
- **Chemical transfers:** Transfer new chemicals from drums and IBCs



PRODUCT	PUMP APPLICATIONS	
<b>Microchips</b>	<ul style="list-style-type: none"><li>• Waste treatment</li><li>• Washing</li></ul>	<ul style="list-style-type: none"><li>• Chemical delivery</li><li>• Fume scrubbers</li></ul>
<b>Circuit Boards</b>	<ul style="list-style-type: none"><li>• Waste treatment</li><li>• Chemical delivery</li><li>• Fume scrubbers</li><li>• Etching</li></ul>	<ul style="list-style-type: none"><li>• Cleaning</li><li>• Copper plating</li><li>• Rinsing</li></ul>
<b>Connectors</b>	<ul style="list-style-type: none"><li>• Waste treatment</li><li>• Chemical delivery</li></ul>	<ul style="list-style-type: none"><li>• Plating</li><li>• Rinsing</li></ul>

## 24/7 Reliability







As a global leader in printed circuit board manufacturing, **Summit Interconnect** is known for its stringent standards for product quality and reliability. Their innovative methods deliver some of the most advanced circuit board designs on the market.

To maintain this reputation, Summit Interconnect uses only the best system components in their manufacturing processes. "They were looking for pumps that would last in automated systems that run 24/7," recalls the local distributor. **"I presented the Finish Thompson ULTRAChem® Series pumps, and now they've been running for over 17 years."**



**FINISH THOMPSON INC.**

# Pumping Solutions for the Electronics Industry

PRODUCT	ADVANTAGES
<b>DB Series</b> 	<b>Mag-drive design</b> – Eliminates seal so there are no leaks <b>Corrosion resistance</b> – Engineered for the harshest chemicals and environments <b>Run-dry capability</b> – Protects against operator error and system disruption
<b>SP Series</b> 	<b>Self-priming</b> – Lightning-fast priming, with ability to lift fluids from 18 ft (5.5m) in 90 seconds <b>Diverse performance</b> – Can lift fluid from 25 ft (7.6 m) below the pump or pull liquid out of the top of a tank <b>Sealless design</b> – Strongest neodymium magnets eliminate seal issues
<b>MSDB</b> 	<b>Performance</b> – Heads up to 300 ft (91.5 m); minimum flow rate of 1 gpm (.23 m3/hr; maximum flow rate of 69 gpm (15.7 m3/hr) <b>No mechanical seal</b> – Powerful mag-drive system eliminates troublesome seal
<b>UC</b> 	<b>Leak-free operation</b> – Neodymium magnets drive the impeller through a ETFE-lined barrier for dependable, sealless operation <b>Optimal alignment</b> – ANSI dimensional design includes fully supported shaft to create optimal alignment and prevent premature wear <b>Corrosion protection</b> – Inner drive magnets completely encapsulated in ETFE to withstand harsh chemicals
<b>VKC</b> 	<b>Sealless vertical design</b> – Eliminates the need for wetted shaft bearings <b>Sealed airtight column</b> – Protects against corrosion and reduces environmental emissions <b>No back impeller</b> – Single impeller prevents aeration and eliminates microbubbles
<b>Drum Pumps</b> 	<b>Versatility</b> – Wide range of tube lengths for use in drums, barrels, totes, IBCs, and other containers <b>Convenience</b> – Built-in hose and cord clips on select models <b>Durable construction</b> – PP, PVDF, or 316SS tubes available



FINISHTHOMPSON.COM

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## Filter Pump

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Finish Thompson Inc. (FTI), an international leader in the corrosive chemical transfer industry, has been dedicated to its customers' needs since 1951. For nearly 75 years, FTI has fostered a culture of foresight and adaptability to stay in touch with industry trends and growth. Today, we manufacture more than 20 different lines of pumps, including drum and barrel pumps, centrifugal pumps, and air-operated double diaphragm (AODD) pumps. FTI is proud to serve distributors and customers on six continents and support more than 40 different industries across the globe.

Visit the FTI newsroom for more information, and connect with us on LinkedIn, Facebook, Instagram, and Twitter.

