CleanPoint

Sequential Robotic Wash Station

goengineer

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Proper cleaning of DLP prints is essential to achieve high quality parts. When a DLP print is complete, uncured resin covers the part. Prior to UV curing, this resin needs to be removed using Isopropyl alcohol or detergent. Under-exposure to these solvents can leave resin on the part, creating sticky surfaces and a loss of part definition. Over-exposure effects dimensional accuracy and damages the part's surfaces.

CleanPoint was designed to eliminate these issues. The unit ensures optimal cleaning by providing control over vortex direction, as well as part plunge, draining duration, and exposure time to the solvent. CleanPoint automatically delivers DLP parts to two independent tanks. The primary tank collects much of the uncured resin, allowing the secondary tank to be clean. When the programmable timer stops, the part robotically lifts out of the tank and drains. It is a hands-free solution that offers ideal part quality.

With CleanPoint, machine operators can focus on higher-level tasks while the part rinses, without fear of damaging the part quality.

Key Features

- Fully Automatic - Start the machine and walk away, without fear of overexposing parts to solvents.
- Parts are robotically transferred from the "Dirty Tank" to the "Clean Tank." When cleaning is done, the parts lift out of the tank to drain.
- Programmable profiles for each material.
- Complete control over vortex direction and velocity.

Specifications

Tank Capacity	6L
Tank Size	6.25 x 10.5 x 7.5 in.; qty 2
Stirring System	Magnetic
Drain	No
Compatible Solvents	IPA, TPM, and detergent
System Size	18.5 x 14.5 x 36 in.
System Weight	40 lbs.
Power	100-240 V / 50-60 Hz, 0.7 A

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