sca40K

Realize the full volume potential of your large format 3D printers with the sca40K

Introducing the ORYX® sca40K — an advanced cleaning system specifically designed to remove soluble support material from large format or a high volume of 3D printed parts. With its large capacity 840-liter (220-gallon) stainless steel tank, the sca40K facilitates automated support removal, using the interaction of heat, agitation, and chemistry for an effective, superior cleaning solution. Equipped with an automated lifting mechanism for its 670 liters (177 gal) volume parts basket, capable of handling up to 454 kg (1,000 lbs.), the **sca40K** provides easy access for operators to load and unload parts. Its enhanced safety features include sensors to monitor temperature and water level, two emergency E-stop buttons, and a light signal tree providing visual cues for machine status, including audible alarms. The machine is fully compatible with all soluble support material concentrates, from water to caustics, with an automated drain pump system allowing easy removal of any saturated bath solution, and automated fill/drain feature to automatically adjust the tank level for part volume changes or evaporation. The **sca40K** touch screen interface is simple and easy to operate with preset as well as customizable temperature settings, including programmable operation start at off-shift times for pre-heating the solution.



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ORYX®

Designed and Developed by ORYX® in Tempe, AZ USA

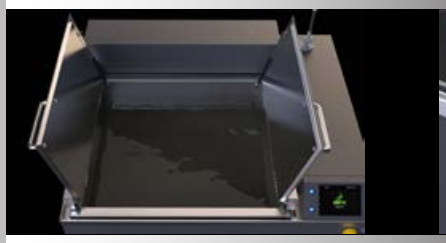
***Manufactured by ORYX®** with the features, reliability, and durability the AM industry has come to expect from our sca1200ht, sca3600, and scaWaterjet support cleaning machines.*

7755 Research Drive Tempe, AZ 85284 Tel **833**.817.8888 Fax **480**.717.3833 **ORYX Additive, Inc.**

sca40K

The **sca40K** is an advanced large-capacity cleaning system designed for the high-volume, large format 3D printing production needs of the industrial manufacturing market. It utilizes heat, agitation, and chemistry to effectively remove stubborn support material from 3D printed parts, with an ergonomically designed automated basket lifting mechanism for safety and easy machine operator access. The **sca40K** is compatible with all water or caustic solutions.







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SYSTEM SPECIFICATIONS

Overall Machine Size: 132 cm x 160 cm x 96 cm (52 in x 63 in x 37.75 in)
Basket Size: 102 cm x 94 cm x 70 cm (40 in x 37 in x 27.5 in)
Automated lift system capable of 454 kg (1000 lbs.) max basket part(s) load
Proven Support Removal from FFF/FDM parts including ABS, ASA, PC, Nylon
Power Requirements: 208VAC Y, 60HZ, 3PH
Presets designed for 3D printed parts temperatures: 50°, 60°, 70° and 85°C.
Custom user set temperatures by degree up to 85° C
Compatible with water-soluble and caustic-soluble printed support materials
Pump Configurations provides reliable components and optimized flow
Designed for operator ease of use when loading/unloading parts from basket
Automatic Fill/Drain System for water input and wastewater outflow
Whisper-quiet Operation for industrial settings
Integral Hinged Lid to reduce water waste & maintain temperature
2 Emergency E-Stop buttons for safe operation of machine
Built-in Safety Features such as Over Temperature & Water Level Alarms
Field-replaceable Sub-assemblies

Anticipated Approvals for System at launch:
CE/ UK/ CA/ cTUVus/ RoHS/ WEEE/ RCM Regulatory Approvals

1 Year Warranty & US-based ORYX® Technical/Customer Support with AM industry experience



Introducing the ORYX® 40K Integrated System

Enhance and complement the function of your **sca40K** by pairing it with the **lsa40K** Liquid Storage Apparatus, for stand-by high-volume fill/drain liquid storage capacity, whether water-soluble or caustic-soluble base. The integrated system conveniently operates both machines from the **sca40K** touch screen interface, for maximum operator control—and uninterrupted support cleaning operation.

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