

RSP150 Reticle SMIF Pod

Superior automation performance and reticle protection

The RSP150 is an advanced reticle SMIF pod that helps to improve productivity and reduce particle contamination within the lithography bay. The superior automation performance of the RSP150 helps to increase device yields and gives your company a competitive edge. An advanced reticle isolation system protects the reticle and prevents movement, greatly reducing particle generation and reticle damage in your facility. Precise reticle positioning means repeatable reticle access and faster setup times.

The SMIF pod is constructed entirely of non-metallic materials that are dimensionally stable and designed for low outgassing. Because it is engineered for effective cleanability of the entire assembly, the RSP150 also reduces the costs of cleaning the product.

FEATURES & BENEFITS

- 0.1 μ breather filter proves an effective barrier to contamination
- Less particle generation via a simple latch mechanism
- Antistatic materials are used for reticle touch points for ESD protection
- Shell is manufactured from a proprietary material which is low in outgassing
- Pod constructed entirely from plastic to eliminate metallic contamination and corrosion
- SEMI® E111 compliance and tight dimensional tolerance ensures equipment interoperability in addition to precise and reliable reticle access



SPECIFICATIONS

Materials of construction	STAT-PRO® 435	
Reticle capacity	1	
Reticle size	152 mm × 152 mm × 6.35 mm (5.984" × 5.984" × 0.250")	
Weight	Without reticle:	760 grams (1.68 lbs)
	With reticle:	1100 grams (approximately 2.43 lbs)
Colors	STAT-PRO 435:	Transparent
	Carbon filled:	Opaque

ORDERING INFORMATION

STAT-PRO 435

Part number	Description
RSP1-1054	AK handle
RSP1-1081	DiRP handle
RSP1-1052	No handle

CoolCase (carbon filled)

RSP1-1074	AK handle
RSP1-1073	DiRP handle
RSP1-1072	No handle

Other configurations are available. Please contact your regional customer service center for more information.

CLARILITE RETICLE HAZE PREVENTION

The RSP150 is a component of the Clarilite® system for reticle haze prevention. Clarilite is composed of three primary certified products: the reticle SMIF pod; the Entegris GPS XCDA® system to supply clean dry air and eliminate moisture; and the RSPX manual purge station to keep pods in a purge condition near the point of use.

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the [Contact Us](#) link to find the customer service center nearest you.

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