



Advanced Cleanliness for Advanced Manufacturing

With tiniest and tiniest products, pursuing Moore's law drives us to chase for cleanliness summits.

Recif commitment for product quality and customers' satisfaction coupled with its engagement in collaborative R&D programs has led to a new achievement.

In the frame of an European project, Recif has benefited of the most advanced nodes technologies shared in the ecosystem as well as the best qualification tools & Institute partner.

It sets the path for Recif to demonstrate today's clear results on its SMART Platform (see following table for more information about Recif SMART Platform)

Our 10+ years experience on COMPACT Sorter G5/G5+, Recif flagship product, and 450mm R&D, have formed a solid bedrock to insure the highest cleanliness on the SMART Platform.

But yet, the challenge was doubled by the versatile nature of the platform and multiplication of handling modules.



The **SMART Platform** concept aims to uphold emerging applications and addresses these challenges such as **3D IC** and **advanced packaging**, glass, wrapped, mold compound substrates.

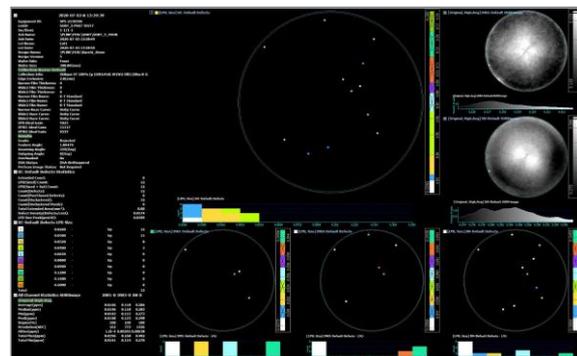
Highly versatile without any hardware and software reconfiguration, its end effectors patented **ACT** ensure higher cleanliness, as well as a safe wafer handling.

The SMART products are available in Sorters and EFEMs.

PWP	(2015) COMPACT G5+ Performances	SMART Platform Performances
26 nm	0.004	0.003
32 nm	0.002	0.001
40 nm	0.001	0.000



TEST RESULTS BASED ON 1000 WAFER TRANSFERS.



Despite potential new contamination factors, Recif has managed to obtain first-rate 0.003 PWP results at 26nm particle size, at least as good as the COMPACT G5+, even with overlaying end effectors.

This outcome illustrates Recif's integration know-how and confirms cleanliness as its trademark.

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