

CoroCut® 2 -RF

A sharp edge without compromises



For the final profiling cuts, you often face a trade-off between secure chip control and achieving a superior surface finish. However, with CoroCut® 2 featuring -RF geometry, you no longer need to choose.

This tool offers flawless edge line quality and superb chip-breaking capabilities to ensure secure machining with high surface integrity results — meeting the highest demands from the aerospace industry.



Features and benefits

- Market-unique finishing geometry for profiling, combining chip control and superior surface quality
- High-quality inserts with consistent and superior tool life
- Low cutting forces and excellent surface finish thanks to the sharp cutting edge
- An optimized chip breaker positioned close to the edge guarantees outstanding chip control
- Rail insert interface ensures a stable and precise insert position
- High process security resulting in reduced unexpected stops, less monitoring and minimized damage to costly components

Application

- High-precision profiling with low feeds and small depth of cut
- Finishing of HRSA components where chip control is a problem
- Optimized grades S205 and GC1205 for ISO S applications
- ISO P and ISO M components with high demands on surface quality and process security



ISO application areas

Performance case

Component: Aerospace component
Workpiece material: S2.0.Z.AG (Inconel 718), 42 HRC
Operation: External profiling, finishing, emulsion

	-RM geometry	-RF geometry
Insert	C2I-H2N-0400-RM S205	C2I-H2N-0400-RF 1205
v_c , m/min (ft/min)	60 (197)	60 (197)
f_n , mm/rev (in/rev)	0.2 (0.008)	0.2 (0.008)
a_p , mm (inch)	0.25 (0.010)	0.25 (0.010)
Chip condition	Long and tangled around tool	Short and controllable

Increased process security



Chips from -RM



Chips from -RF

Result: -RF geometry has much better chip-breaking capabilities in this material than -RM geometry. With better chip control comes increased process security.

Learn more about CoroCut® 2:
sandvik.coromant.com/corocut2



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