



ORANGEREPORT

METALWORKING INDUSTRY

Superabrasives Company Removes Swarf Magnetically



COOLANT CLEANER

Problem:

[Engis Corp.](#) was relying on canister fine filters to remove swarf from coolant. Although this was sufficient, the large quantity of swarf typically generated from single-pass bore finishing was causing too much downtime for replacing clogged filters. Engis needed an additional coolant cleaner before the canister.

Solution:

Engis found a solution in the [Model CS5-7 Magnetic Coolant Cleaner](#) from [Eriez](#). Unlike canister filters that fill up with contaminant, the magnetic coolant cleaner is self-cleaning. As the magnet pulls magnetic material out of the swarf, the material discharges over scraper blades into a swarf pan and the coolant continues through. Engis adds Eriez magnetic separators to filtration systems where there is a large amount of swarf being produced so the canister fine filters can last longer before getting clogged and needing replacement.

Result:

Engis reports that the Eriez Coolant Cleaner removes about 90 percent of total swarf, and the canister is then able to remove the remaining particles down to 10 micron.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment.

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