

Why Built-In Dust Collection Changes the Way Shops Finish Parts



The cleanup problem most shops accept

In many shops, finishing work creates a hidden second task. Operators deburr a part, clean the edge, or flatten a surface, then stop to brush off the bench, clear dust from the area, or wipe down the part before it moves to the next step. Those extra touches do not look serious on their own, but they add time to every batch and break the rhythm of production.

That is why dust control matters more than many buyers first assume. A disc sander is not only a cutting and finishing tool. In real production, it is part of a work cell. If dust spreads beyond the sanding area, the machine begins to affect everything around it, from visibility at the table to cleanup time at the end of the shift.

The DS10V addresses that issue with a built-in vacuum base. Instead of treating dust collection as a separate add-on, the machine is built so sanding and dust control happen together. That design decision changes the way the station works in day-to-day use.

Why integrated dust collection matters

The main advantage of built-in dust collection is simple: it captures dust and debris closer to the point where it is created. That helps keep the work area cleaner while the operator is sanding, not just after the job is done. In a busy shop, that can improve flow because operators spend less time stopping to clear debris or reset the station between parts.

A cleaner sanding area also supports better control. When dust builds up on the table or around the disc, it can interfere with part presentation and make fine edge work less consistent. By pulling debris into the vacuum base during operation, the DS10V helps maintain a cleaner surface and a more controlled finishing process.

This matters most in repeat work. Shops that regularly deburr cut parts, remove flash, or clean rough edges are not looking for occasional convenience. They need a station that stays usable throughout the day. Built-in dust collection helps the machine stay productive under that kind of daily demand.



A stronger finishing station for deburring and edge work

The DS10V is well suited for the type of jobs that often slow down production when they are handled with less dedicated equipment. Deburring, edge cleanup, flattening ends, and general surface cleanup all require steady support and repeatable presentation at the sanding face. The machine's adjustable steel table gives operators a stable work surface, while the 10-inch disc provides a broad contact area for controlled material removal.

That combination is especially useful when shops need more than rough stock removal. A finishing station has to help create cleaner edges, better fit-up, and more consistent part quality. On the DS10V, the table tilts from

Access door for easy clean out

90 to 45 degrees and locks in place, giving operators more control when the job calls for angle work, bevel preparation, or accurate edge cleanup.

Because the DS10V uses PSA sanding discs, disc changes are also straightforward. That matters when a shop wants to shift quickly from a more aggressive grit for cleanup work to a finer grit for finishing. Faster abrasive changes make the station easier to keep in use without unnecessary setup time.

Useful across mixed-material shop work

One of the practical strengths of the DS10V is its flexibility across common shop materials. According to Kalamazoo Industries, the machine can be used on metal, aluminum, wood, plastics, and light non-ferrous materials when paired with the proper abrasive disc. That makes it a strong fit for operations that do not process just one type of part all day.

In a mixed-material shop, flexibility matters because the finishing station often becomes a shared resource. A machine that can support metal edge work in one part of the day and cleanup work on wood or plastic components later adds value without taking up additional floor space. The DS10V fits that role well because it combines a compact sanding format with integrated dust control and straightforward operation.

For many manufacturers, that means the machine is not limited to one narrow application. It becomes a practical station for everyday cleanup, prep, and finishing work across several departments.

Designed for daily use, not occasional use

A trade journal audience tends to look past marketing language and focus on whether a machine will hold up in real conditions. That is where the DS10V has a straightforward story. It uses all-steel construction, a direct-drive setup, and a 1/2 HP TEFC motor intended for daily industrial service. Those are the kinds of specifications that matter because they support stability, durability, and predictable operation over time.

The machine also keeps operation simple. The sander and vacuum use independent switches, so the operator can control each function based on the job. That may seem minor on paper, but simple controls



reduce friction on the floor. The easier a machine is to operate, the more likely it is to be used the right way throughout the shift.

Maintenance has been kept practical as well. The vacuum base uses a replaceable cloth filter and includes access for cleaning, which supports routine upkeep without turning dust control into a separate maintenance headache.

The production value of a cleaner process

The best way to understand the DS10V is not to view it as only a 10-inch disc sander. It is better understood as a finishing station that helps reduce the small inefficiencies that build up around sanding work. When dust is controlled earlier, benches stay cleaner, parts need less rehandling, and operators can stay focused on the work instead of the mess around it.

That does not mean a built-in vacuum replaces every other dust-control practice in the shop. Good housekeeping and proper operator protection still matter. What it does mean is that the sanding station itself contributes less to the problem. In many production environments, that alone can improve consistency and recover time that would otherwise disappear into cleanup and interruption.

For shops that deburr and finish parts every day, the practical value is clear. A machine like the DS10V supports cleaner operation, steadier workflow, and more repeatable results. That is why built-in dust collection changes the way shops finish parts. It improves not just the sanding step, but the process around it.

DS10V technical highlights

Feature	Detail
Disc size	10-inch PSA disc system
Motor	1/2 HP, single-phase 110/115V TEFC motor
Vacuum capacity	Built-in 100 CFM vacuum base
Table range	Adjustable steel work table tilts from 90° to 45°
Common applications	Deburring, edge work, flattening ends, flash removal, and general cleanup
Materials	Metal, aluminum, wood, plastics, and light non-ferrous materials with the proper abrasive disc

See how the DS10V can support cleaner, more efficient finishing

Visit kalamazooind.com or call (800) 592-2050 to learn more about the DS10V, request pricing, and explore the right setup for your shop.