

KEEP THE HANDOFF MOVING >>>

Practical sensing tips for safer, more consistent automated process flow.

Reliable handoffs depend on detecting what is ahead, confirming what is arriving, and responding to change at the right moment.

SENSING
FOR A MORE
PRODUCTIVE
TOMORROW



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1. DETECT WHAT'S AHEAD

Identify materials, equipment, people, and obstacles before they interrupt movement.

TIPS



Map blind spots around transfer points.



Match sensing range to travel speed and stopping distance.



Test detection with actual materials, finishes, dust, and lighting.

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2. CONFIRM WHAT'S ARRIVING

Verify presence, position, distance, and movement before the next action begins.

TIPS



Define the expected target position and acceptable tolerance.



Use stable reference points for repeatable measurements.



Confirm each handoff at the transition, not after the next cycle starts.

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3. RESPOND TO CHANGE

Give automated systems clear information for adjusting to unexpected conditions.

TIPS



Set warning and protective zones for real traffic patterns.



Define a safe fallback when a target is missing or out of position.



Log repeated stops and slowdowns to find recurring process issues.

HANDOFF CHECKLIST



Sensor position covers the full transition area



Targets and backgrounds have been tested



Detection zones match actual equipment movement



Timing and control logic are verified at operating speed



Cables, mounts, and lenses are protected



Cleaning and inspection are included in maintenance

WHAT BETTER HANDOFFS SUPPORT



Safer movement



Consistent material flow



Fewer bottlenecks



More resilient operations



KEY TAKEAWAY

Treat sensing, control logic, and equipment response as one connected system. A reliable handoff requires all three to work together.

