



# DS450<sup>®</sup>

## High-Throughput Scanner and Tabulator

### Less Adjudication

Intelligent Mark Recognition (IMR<sup>®</sup>) and Positive Target Recognition & Alignment Compensation (PTRAC<sup>®</sup>) technologies reduce the number of ballots requiring time-consuming manual adjudication.

### No Rescanning

If scanning is interrupted, there's no need to rescan all the ballots. Green lights indicate a ballot has been tabulated and red lights indicate it has not been tabulated.

### Efficient Ballot Transport Control

Tru-Grip<sup>™</sup> rollers ensure ballots are pulled one at a time, preventing scanning interruptions. Unfolded ballots are no problem!

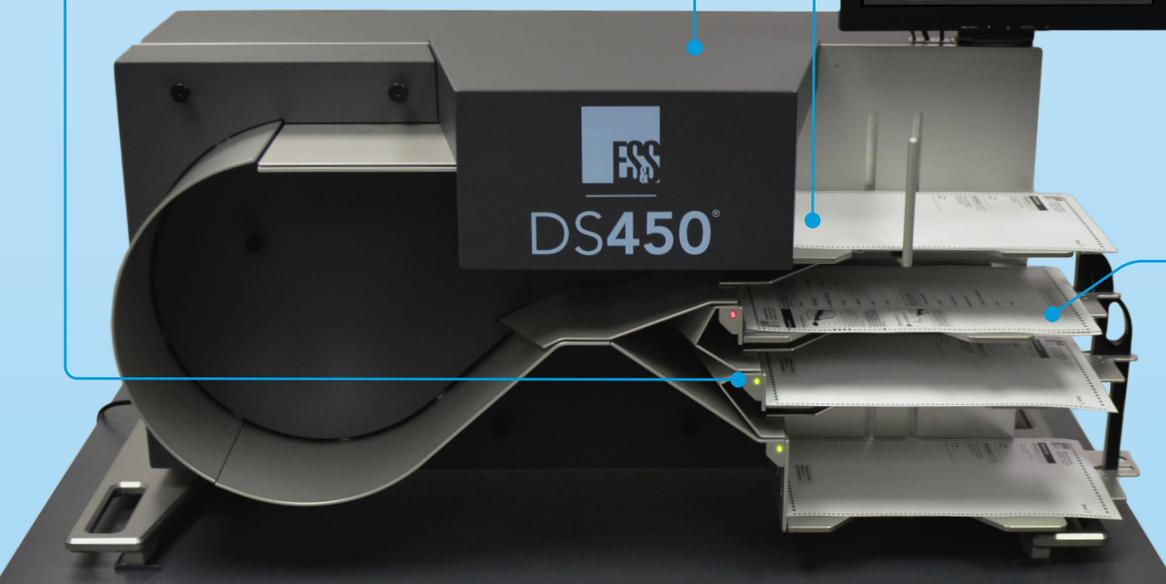
### Easy to Use

Touch-screen interface walks the user through the tabulation process step-by-step.

### Customizable, Full-Speed Sorting

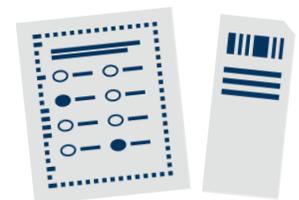
No scanning interruptions for damaged ballots or ballots with exceptions. Sorts ballots into:

- Requires further review
- Write-ins
- Counted



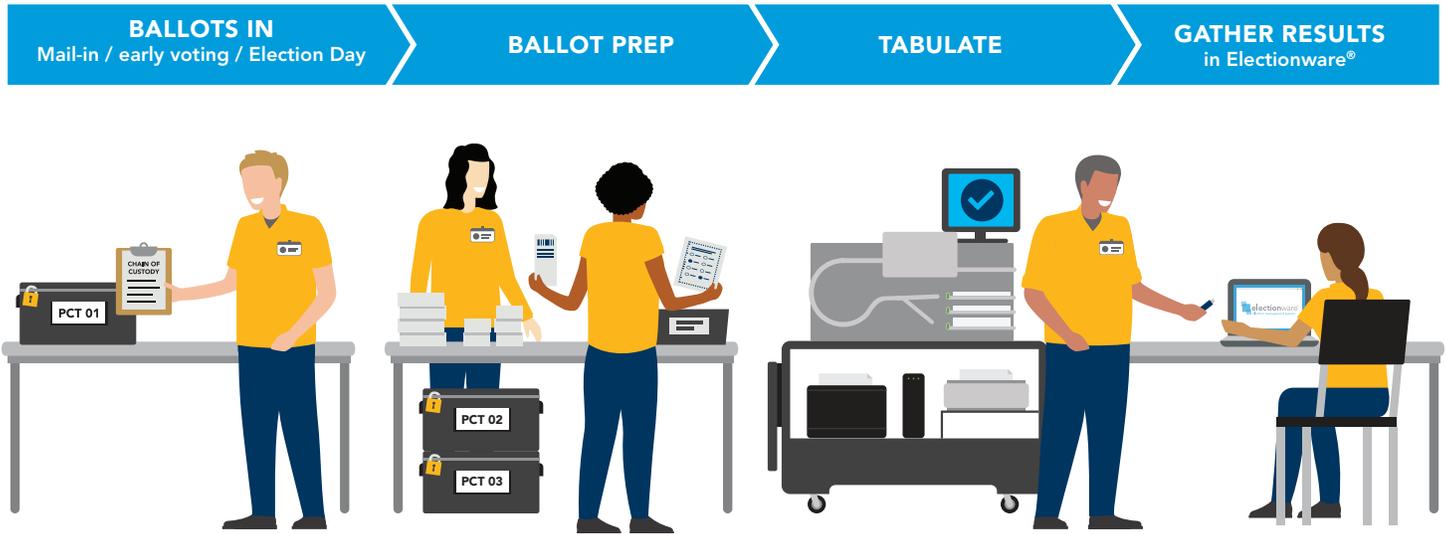
## Complete Ballot Control From Start to Finish

Let the DS450 handle scanning, separating and sorting ballots all without missing a beat. All ES&S tabulators scan ballots in any orientation – no need to make sure ballots are face up and top edge first before scanning.



**72** 14-inch flat ballots processed per minute

## PROCESS MORE BALLOTS IN LESS TIME



## WHAT YOU **DON'T** GET WITH COMMERCIAL-OFF-THE-SHELF (COTS) TABULATORS:

- **Purpose-built equipment.** Election experts designed ES&S tabulators specifically for elections.
- **No scanning interruptions.** ES&S tabulators scan and tabulate previously folded and damaged ballots.
- **Customizable sorting.** ES&S tabulators allow for user-definable, real-time sorting, including both physical and digital ballot management.
- **Longer product life.** ES&S products are engineered with industrial-grade components, ensuring a 5-7 year production and service parts supply. Our parts manufacturers are dedicated to maintaining form, fit and functional equivalents when an inevitable change comes. This allows ES&S to support our products typically 10+ years.

## SECURITY YOU CAN COUNT ON®



The DS450 offers so many security features, we couldn't include them all here. To learn more about the great lengths we go to protect our systems and data, visit [essvote.com/feature/security](https://www.essvote.com/feature/security).

“ Our machines were humming along like a choir on Christmas Eve ... It was incredible to watch.”

BRIAN KRUSE, ELECTION COMMISSIONER  
DOUGLAS COUNTY, NEBRASKA