



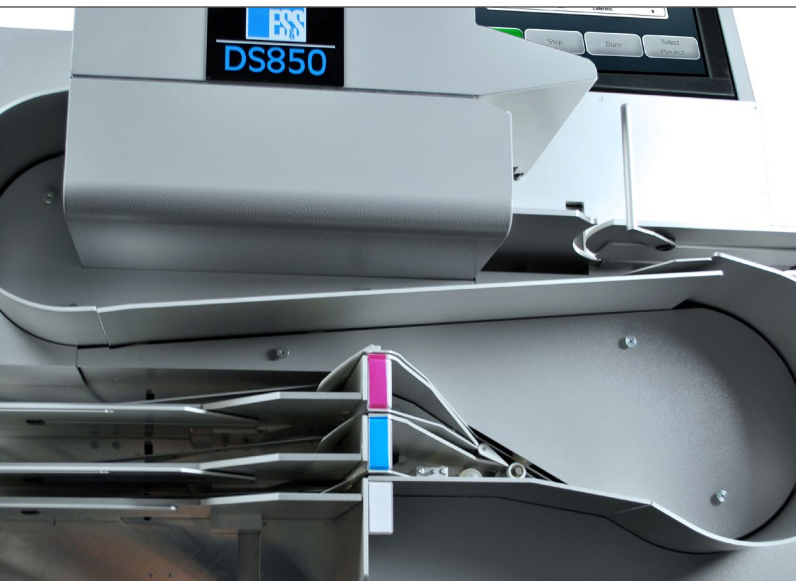
HIGH-SPEED SCANNER & TABULATOR

DS850[®]

**THE INDUSTRY LEADING HIGH-SPEED
CENTRAL SCANNER AND TABULATOR.**

The DS850 central scanner and tabulator is a high-speed digital ballot scanner and tabulator equipped with the latest ES&S technology to make your job easier. The DS850 system is the fastest central scanner in the industry. Fully certified and compliant with EAC guidelines, the DS850 enhances the voting experience for voters and election officials.

Our patented IMR™ and PTRAC™ technology ensures even the most poorly marked ballots are read accurately and consistently — protecting voter intent. This technology greatly reduces time spent manually adjudicating as it automatically verifies voter marks.



Enhance the Voting Experience

KEY FEATURES & BENEFITS

SPEED

The DS850 can scan ballots of multiple sizes and handle folded and roughed-up ballots with ease. For example, the system can scan 14-inch double-sided ballots at the rate of 300 per minute with next to no ballot jams. The DS850 is three times faster than any other digital scanner on the market.

EASE OF USE

The durable 15-inch color touch screen and user-friendly interface walk you through every step of the process.

FLEXIBILITY

With three separate sorter bins, you can determine whether you want to set apart specific types of ballots for further review. Let the DS850 handle separating write-in votes, over-votes, and blank ballots – *all without missing a beat.*

SECURITY

Safeguard your election data with the DS850's system integrity, electronic audits, data encryption, and digital signatures. Nearly 40 years of election industry experience makes ES&S the vendor you can trust.

ACCURACY

ES&S' patented Intelligent Mark Recognition (IMR™) and patented Positive Target Recognition & Alignment Compensation (PTRAC™) technology ensures that ballots are read accurately and consistently, protecting voter intent and eliminating manual adjudication time.

PTRAC's sophisticated image processing algorithms utilize the ballot's timing marks to quickly create an evaluation window where the oval for each contest is expected to be. IMR then digitally subtracts the outline of the voting target to read only the voter's mark. Other optical scanners require you to set an arbitrary pixel threshold to determine what counts as a mark.

Instead, the DS850 does the work for you. To determine which marks were intentional, sophisticated algorithms analyze the mark's darkness (pixel density) and directionality. Unlike other scanners, the DS850 is not fooled by erasures or other stray marks.

Does the election require a recount? With the DS850, you get the same consistent and accurate results every time.

