

Independent Soil Detector

A unique solution to an age-old problem

ICS have developed the Independent Soil Detector (ISD) in response to the demand for consistent, repeatable and comprehensive data regarding the condition of banknotes in circulation. The ICS solution is different to any other product in that it separates data used for processing decisions (such as classification for reissue or destruction) from data required for statistical analysis. Since processing decisions vary from site to site and from machine to machine, it is not possible to rely upon this data to provide consolidated condition reporting.

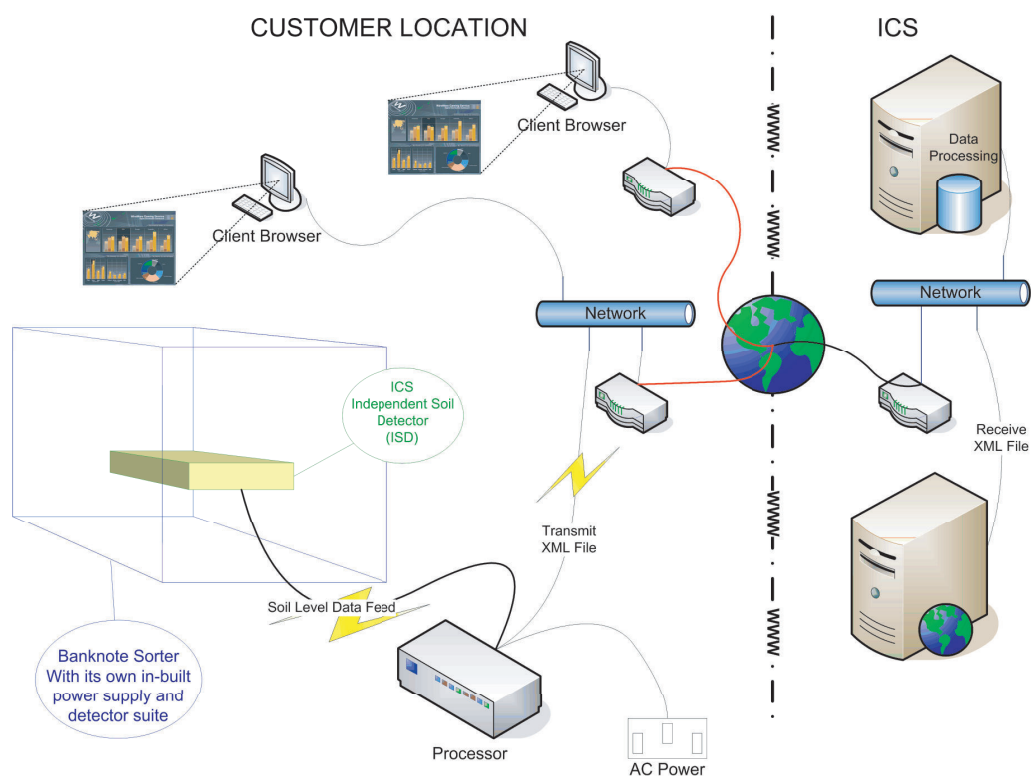
To overcome this, ICS have patented and developed a completely independent detector, or ISD, which is designed to compliment existing vendor-specific technology. Other than the physical mounting on the host system, the ISD is entirely self-sufficient in that it has its own power source and data ports to data processing servers.

How is this achieved?

The technology used in ICS solutions has been specifically developed with durability, repeatability and stability at its heart. A combination of high quality components and innovative design ensure that, once initially configured, no routine maintenance and field-engineer servicing is necessary. This is achieved through the use of inbuilt, continuous self-diagnostics and compensation for temperature and luminescence. Effectively a sealed unit, customers can be assured that performance variables are kept to a minimum allowing data to be compared across multiple systems and locations for statistical and trend analysis.

Information to work with

A vast amount of data can be captured by current generation technology, however, ICS have focussed their development to provide information that is relevant and timely for the purpose. Whilst technically possible, it is not appropriate to report statistical data in real time. Instead, data captured is forwarded to ICS Web and Data servers where pre-formatted yet dynamic and interactive reports and graphical views can be accessed with appropriate security controls. For an in depth view of the reports package, please refer to the separate technical document "ISD Reports".





Intelligent Currency Solutions
Benchmarking the Industry

TECHNICAL SUMMARY

	ISD	ISD Plus
Data Collection Capability		
Soil – 16 levels of discrimination	✓	✓
Denomination	✓	✓
Date and Time Stamp	✓	✓
Site and host system ID	✓	✓
Operational Environment		
Suitable for small sized banknote counters, ATMs and teller-assisted dispensers / recyclers	✓	
Suitable for medium / large sized banknote processing equipment		✓
Suitable for multi-denomination processing mode		✓
Suitable for single-denomination processing mode	✓	✓
Multi-vendor host system compatible	✓	✓
Non intrusive Independent power and data	✓	✓
Industry standard networking connectivity	✓	✓
Service and Maintenance		
Low maintenance	✓	✓
Self compensating for temperature and luminescence		✓
Error condition broadcasting via network	✓	✓
Data 'Store and Forward' in event of network failure	✓	✓
Updatable for new banknotes	✓	✓

ISD and ISD Plus can be fitted to a wide variety of banknote handling equipment including Large Sorters, Desktop sorters, ATM's, Teller Cash Dispensers and Recyclers and Desktop 'flip' Counters.