Client Device Integration

Direct Input

Scenarios where input must flow directly into a user interface, before being submitted to the server.

Barcode Scanners

Scanning labels for raw materials, packages materials, or production identifiers.

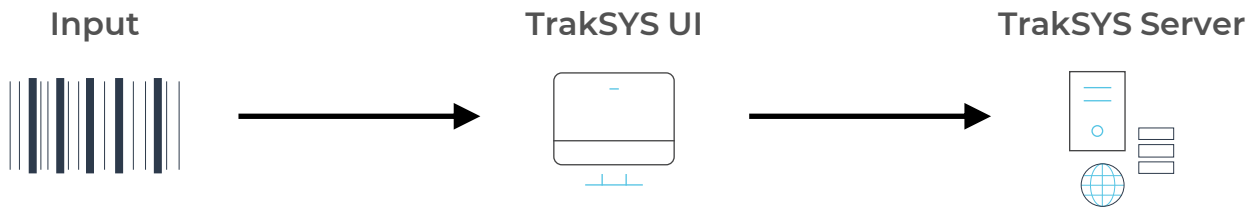
Scales

Recording weights for measuring raw materials, or quality logging.

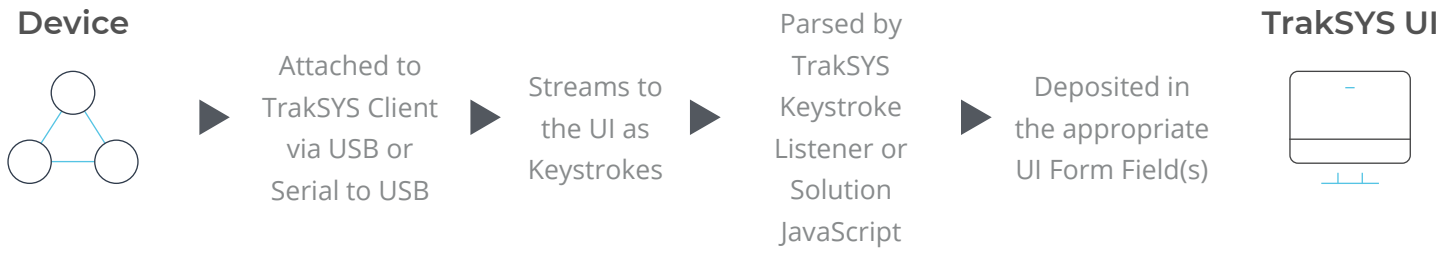
Measuring Tools

Taking precision measurements for SPC sampling and quality logging.

General input Data Flow



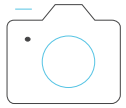
Implementation



Client Device Integration

Image Capture

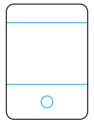
Scenarios where images must be taken from a device and uploaded as part of a data record...



Capture | Store | Upload

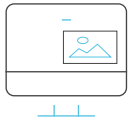
This involves taking the image, saving it to the device's local storage, and then selecting the image to upload using the TrakSYS user interface.

This method requires several different distinct steps and can be cumbersome but is the correct approach when images must be taken independently from the upload process.



Capture and Upload

With certain devices / OS, TrakSYS upload pages can include specially formatted file upload boxes that allow the camera to be launched, image taken and upload to the server all within the same action.



UI to Camera Integration

Using 3rd party JavaScript libraries, specialized user interfaces can be created to allow the camera to be accesses, image taken, and previewed within TrakSYS before submitting to the server.

This approach is useful when complex requirements exist around the capture and upload process.

Client Device Integration

Label Printing

TrakSYS integrates with label printers by sending the information to be rendered to a label to a printer software layer, where it is combined with a specified layout and sent to the hardware.

Label information is typically sent via web-service, file upload (FTP) or label software-specific API calls.