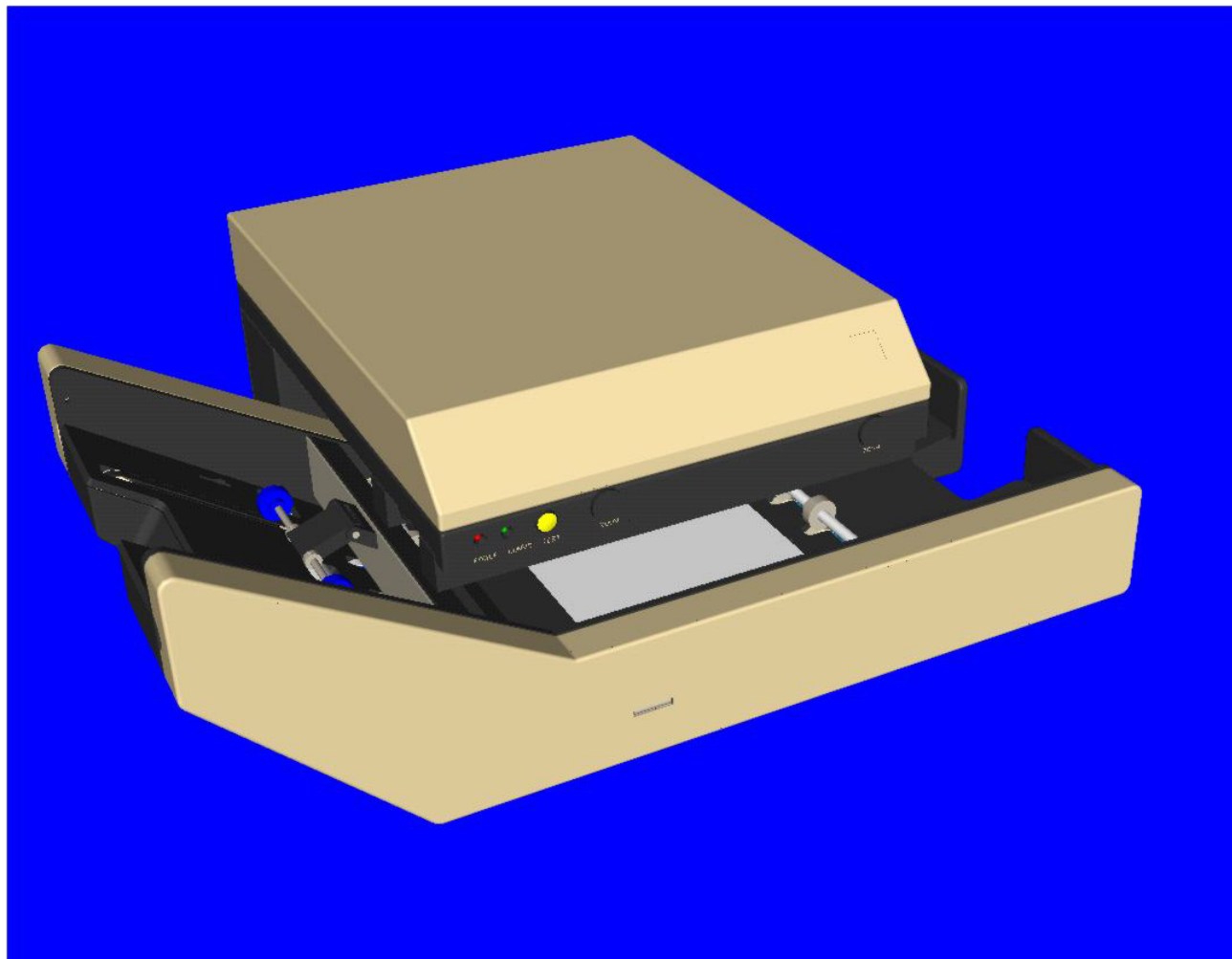


## Euclid E2020 Automated Formscanner



The Euclid E2020 provides an automated means of scanning image areas on ID documents at a throughput exceeding 10 documents per minute. A flexible approach to the design means that up to two cameras (colour or monochrome) and a barcode scanner may be located within the unit.

A high capacity feeder, developed specifically to handle documents with “stuck on” photographs cleanly feeds, aligns, then stacks each document after scanning.

The E2020 may be supplied as hardware with full documentation for integration into a customer’s own system, or, conversely may be supported by other Euclid imaging and database software packages.

# Euclid E2020 Automated Formscanner



## OPERATION

Each Formscanner comprises part of a p.c. network. An operator loads a batch of ID documents into the input hopper. The scanning process is started. Each document is fed singly and aligned into the scanning position. The barcode is read and verified. The image areas, typically photo and signature / fingerprint are scanned and compressed. The document is ejected and stacked. The cycle is repeated.

The system may be operated in semi automatic mode which gives the operator an opportunity to adjust image size and lighting level, if required, using in-built manual controls. Alternatively, using one of the associated Euclid software packages, a full batch may be digitised, then, using the Visual Quality Assurance (VQA) Module, each in turn may be digitally enhanced with respect to size, contrast and brightness.

## HARDWARE STANDARD FEATURES

- ▲ Feeder capable of handling varying sizes and thicknesses of document, with "stuck on" photos.
- ▲ In-built illumination provides base level lighting for consistent image quality.
- ▲ Hardware controls allow operator enhancement of images.
- ▲ Software control enables digital enhancement, background removal etc.
- ▲ Barcode reader ensures data integrity precluding mismatch of image data with text data.
- ▲ Scanning of most barcode formats.
- ▲ Document alignment within +/- 1mm.
- ▲ Capacity 100 documents.
- ▲ Automatic skew detection and correction.
- ▲ Double detect on document feeder.
- ▲ RS 232 communication protocol with composite video outputs.

## OPTIONAL FEATURES

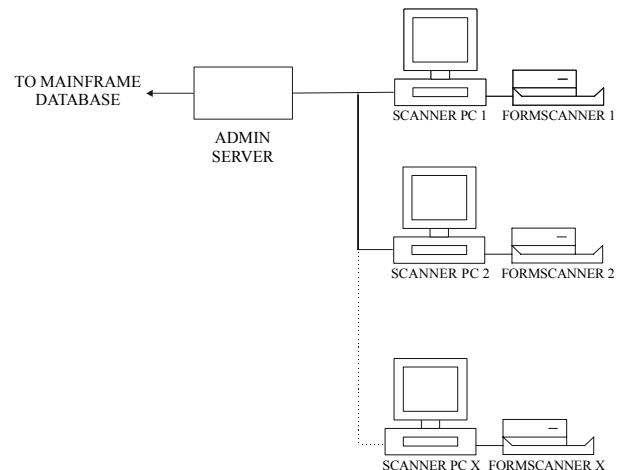
- ▲ Range of software modules.
- ▲ Custom development.
- ▲ Supply of compatible image grabbing cards.

## TECHNICAL FEATURES

Height	34 cm
Width	82 cm
Depth	52 cm
Weight	33 kg
Power	220V /50 Hz - 110V /60 Hz, 350W
MTBF	½ million documents

## ENVIRONMENTAL REQUIREMENTS

Operating Temperature	15-25 degrees Celsius
Relative Humidity	20% - 85% non condensing



Typical Installation layout