ESSEGI AUTOMATION

INCOMING MATERIAL STATION

INDUSTRY 4.0

TIME SAVING

NO MISTAKE

DATA MATCH

HOMOLOGATION CODE CHECK

AUTO-DETECT CODES 1D/2D

INTEGRATED WITH ISM WAREHOUSES

CORE-EMT

Hardware

ESD table	✓
Touch screen, keyboard, mouse	✓
1D/2D barcode scanner	✓

Software

Software Console	✓
Halcon 1D-2D library	✓
Auto-Incoming software	✓
Picture traceability option	✓

Software Options

Internal PNs/Qualified Parts Checking Module	Option
Data Match Module	Option
Document Management Module	Option

Technical Data

Dimensions	Width = 1,6 m / 5.25 ft Depth = 0,8 m / 2.62 ft
Operating Height	1,1 m (3.28 ft)
Weight	101 Kg - 222.67 Kg (Full cases)
Power consumption	100-240V - Imax: 5A - Frequency 50-60 Hz
Operating system	Microsoft Windows 64bit

Trays storage

Features and Benefits

Through the Incoming Material Station operators will speed up material registration activities, avoid mistakes, and increase the traceability of each individual Unique ID.

With its Auto-Incoming features, it is possible to automatically import information from the supplier and/or customer's label into the ERP, and print a new Unique ID. In fact, after setting the rules for each supplier's label, the operator can simply position the material on the Station and the high resolution camera will read all the needed codes and information, take a picture for traceability purposes and print the new label.

Moreover, through the included "Reels Pictures Traceability" feature all pictures will be stored inside the database and can be recalled for any future visualization and quality check. While this tool brings traceability to a higher level of quality standard, it can also provide evidence of damaged or mislabelled material coming from the suppliers. The table, with its robust folded metal structure, is studied to guarantee an adequate load support, along with the demanding standards of an electronic production environment, with the top ESD shelf, made of static dissipative laminate, with 10M Ohm resistivity and a protective black PVC contour.

Interfacing

The connection with other systems (ERP, MES, Pick and Place, etc) is possible thanks to the API interface that allows any software to communicate and receive information from the Incoming Material Station. Automatic file sharing with other software is also possible.

Auto-Detect

The material incoming station is able to recognize, analyse and store any 1D linear code, 2D code (Datamatrix, Qrcode, PDF147) and the text through OCR of any type of material.
The software uses the standard rules of the electronics world, used by most suppliers of electronic components to label their products*.
Non-standard labels can be easily read, setting custom rules through a dedicated user-friendly interface.

The material incoming station includes a verification function which checks if the label generated by the system has been correctly applied to the material by the operator. This allows you to check and block a possible operator error during the material acceptance phase.
So we can prevent the sending of incorrect information in the production data, saving time and future incorrect management costs. The customer can decide whether to enable or disable this feature.

** It is possible to access the documentation used to create the standard rules by contacting our local distributor.*

Software Options

Internal PNs/Qualified Parts Checking Module

To automatically check part numbers of new incoming material, against a list of approved part numbers. The software will prevent the initialization of material that is not in the approved part numbers list.

Data Match Module

To automatically check incoming materials listed in a delivery note or purchase order. It requires interfacing with client's ERP and permits live update of open purchase orders' or delivery notes' lines. The result is the recognition of material actually requested and delivered, from the one either missing or exceeding.

Document Management Module

To quickly set up a fast, error-free goods registration in the company, with traceability that includes document digitalization.

The module is ready to be interfaced to the ERP and allows:
- Scanning and saving/archiving of multi-page transport documents or POs
- Creation of rules to extract data from documents like document number, Part numbers list, qty, etc. (both 1D or 2D codes and text)
- Display of PO lines, completion percentage by the user and acceptance operator performances by via the advanced dashboard