
 Prototyping

 Low Volume

 Mid Volume

 High Volume

 Customized Solutions

tucano.

FLEXIBLE, ACCURATE AND RELIABLE PRINTING MACHINE

essemtec.
be more flexible

TUCANO

Dual camera vision system, with selectable **camera lighting colour (RGB)** for precise alignment

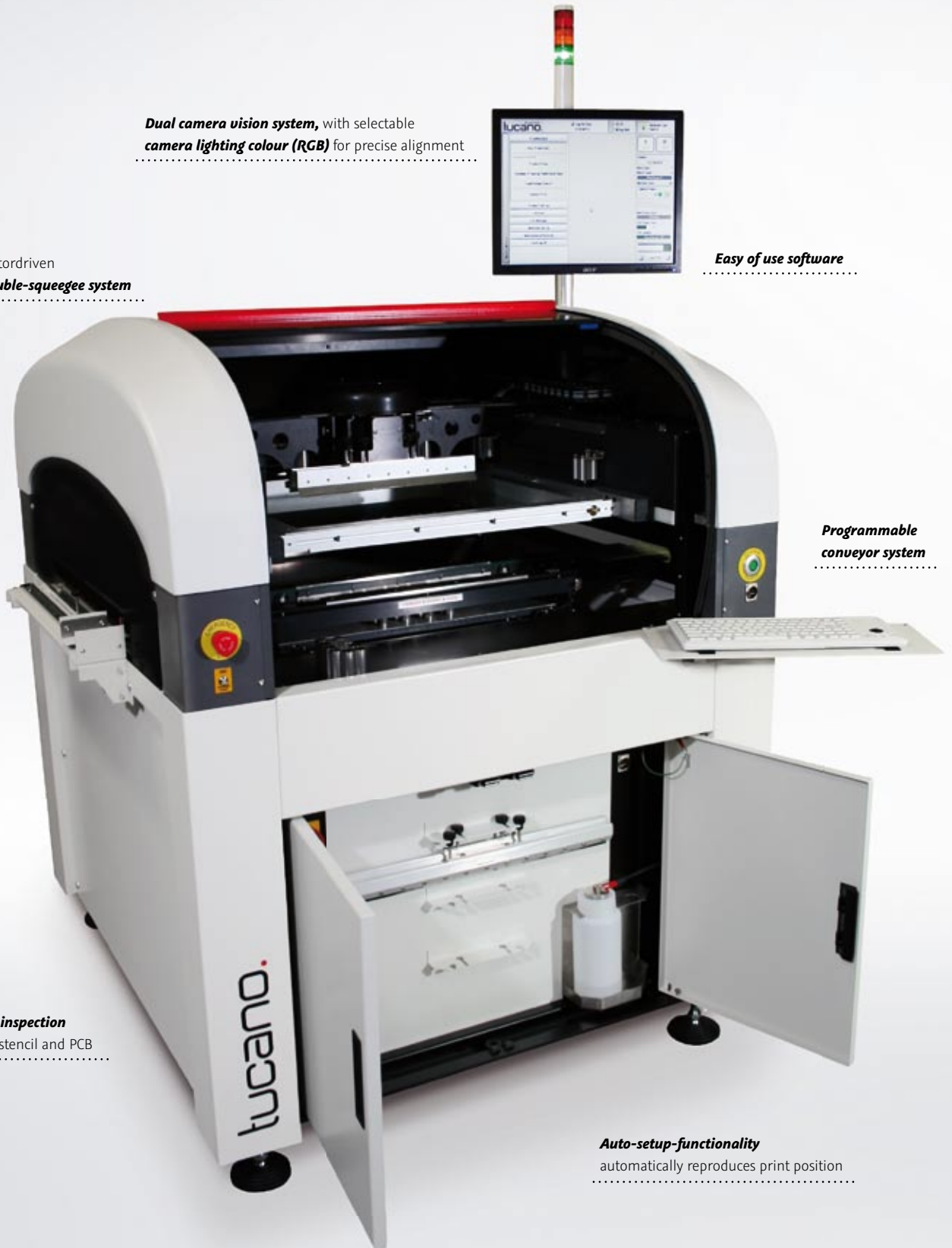
Motordriven
Double-squeegee system

Easy of use software

Programmable conveyor system

2D-inspection
for stencil and PCB

Auto-setup-functionality
automatically reproduces print position



The Tucano – sophistication is no magic

“There is a demand in the market for printers with highest accuracy and the capability of repetitive printing.”

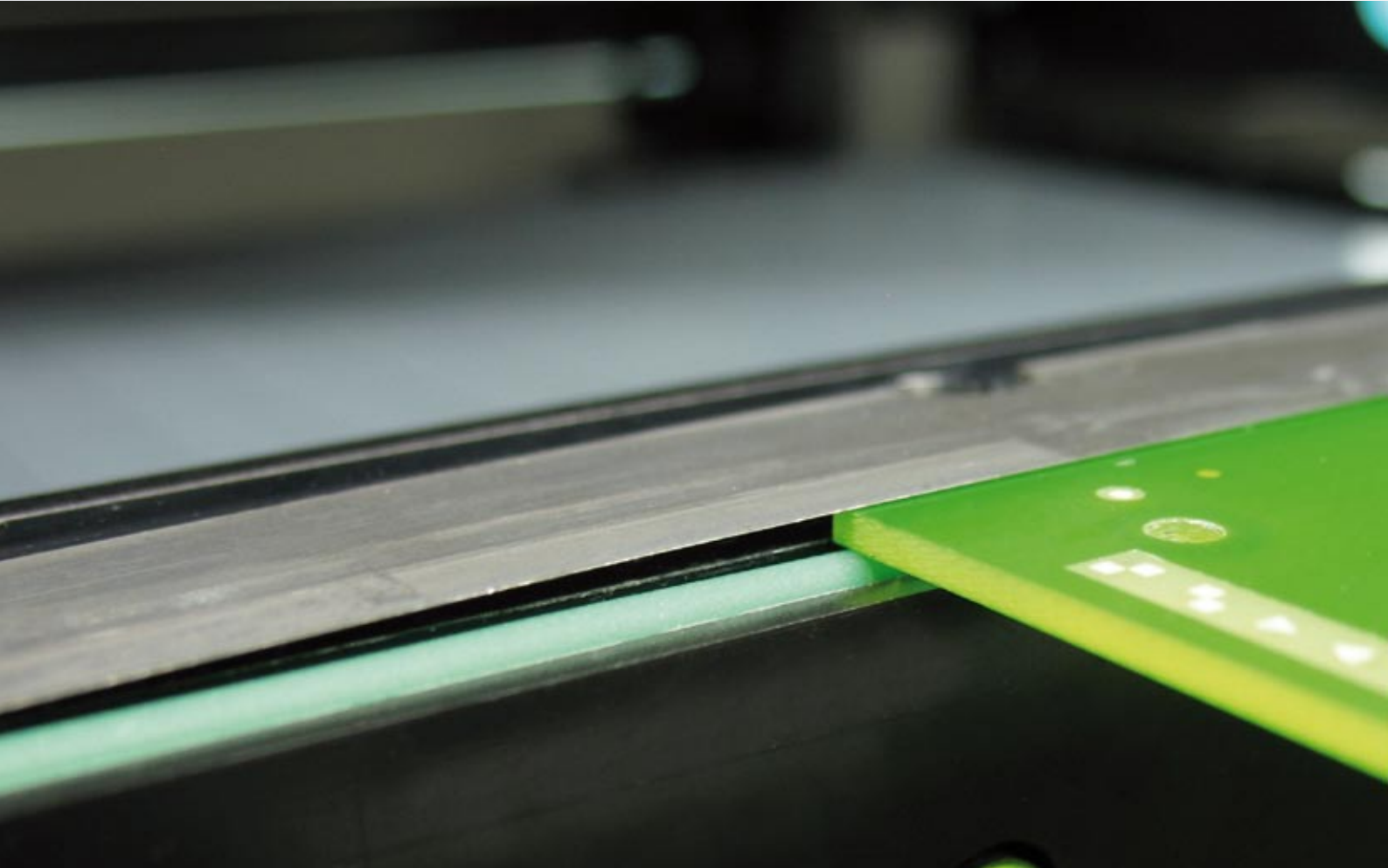
The trend towards smaller lead pitches and components makes it more difficult to achieve accurate, unflawed and perfectly printed PCBs.

The print process defines the quality of the end-product. All following process steps are based on initially printed structures, regardless of whether adhesive, paste, ink or other are supplied. A huge effort is necessary in order to correct defects from the print process later. Therefore, automation and process control are highly important.

The Tucano printer optimally combines the requirements on quality and accuracy with speed and reliability. Due to its flexibility, the Tucano can be adapted perfectly to virtually every print task. Also, customer specific solutions can be realized within a short period of time.



PERFECT RESULTS



High-tech engineering for total flexibility and quality

Whether integrated into a line or operating in stand-alone mode, the automated setup function of the Tucano guarantees very short changeover procedures. The time-consuming search and input of data for the precise positions of PCB and stencil are no longer an issue, since the printer itself takes over this task. This not only reduces the set-up time, but also

ensures high precision right from the very first print. The design of the clamping system ensures full stencil contact with the PCB which guarantees optimal print results. The performance stability of each single module is decisive for the entire system productivity, especially in the case of inline operation. The Tucano printer is designed for continuous

three-shift operation. The equipment is very robust, and does not need any further maintenance except for the regular cleaning and service measures. The cleanliness of the stencil is very important for the quality of the print results. Therefore, the vision system frequently checks the condition of the stencil and the printed substrates (2d inspection).

EASY TO USE

Intuitive operation sets the benchmark

Easy to operate

The software system of the Tucano is well structured and provides ease-of-use. Different operator levels can be defined. The program generation for new applications is totally simplified.

Time saving changeovers

Adjusting a new product is simplified due to the auto set-up functions: the stencil is automatically drawn into the machine, positioned and clamped. The transport system automatically adjusts to the right width.

Reliable

A very solid machine frame and a robust design guarantee a long life cycle. The costs for maintenance and operation are low.

Small footprint

The Tucano offers a large printing area (600 x 580 mm) on a very small footprint of only 1,3 sqm.



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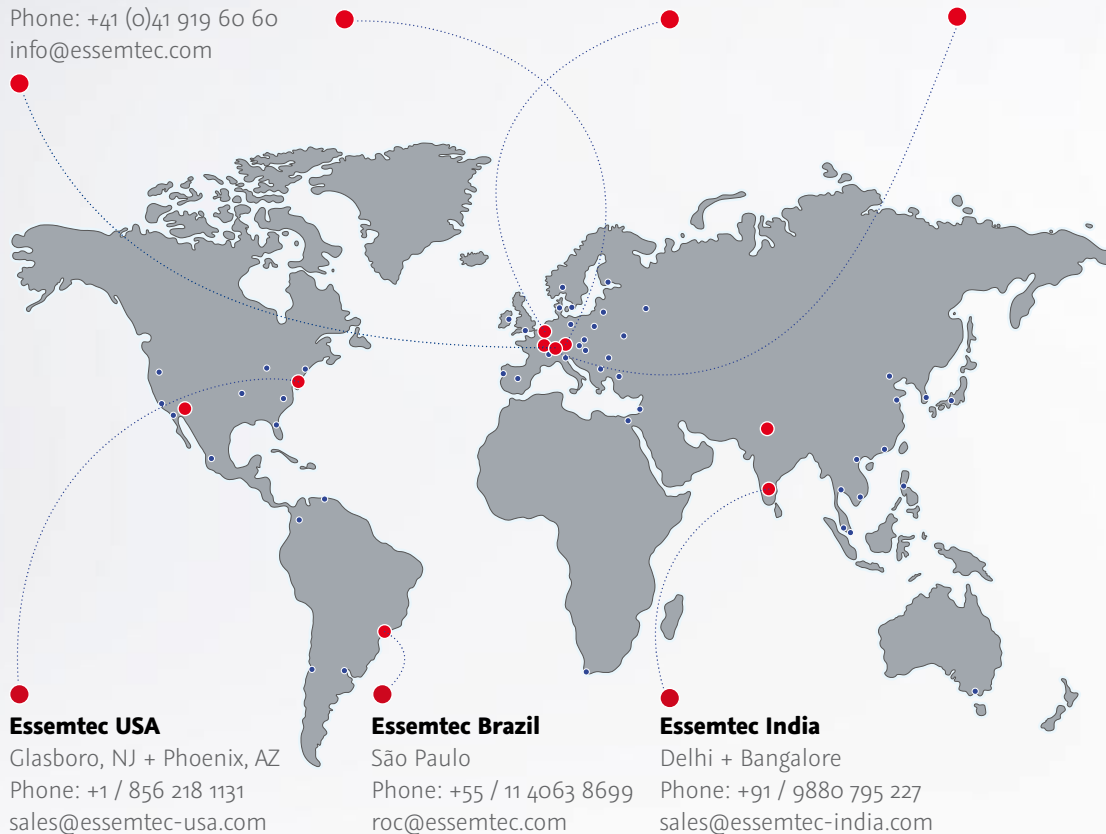
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