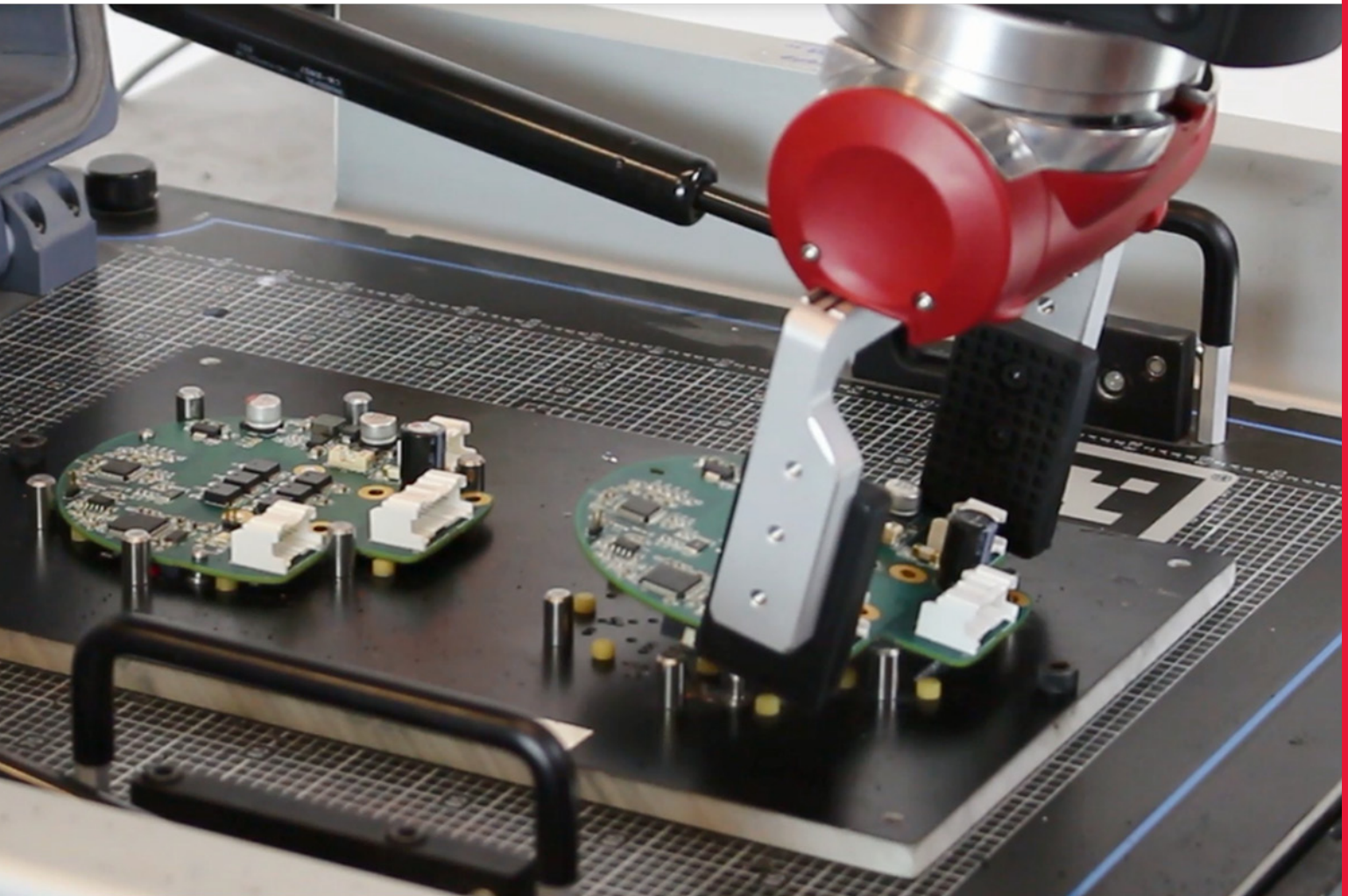



Precise Automation of PCB Handling and ICT

Printed Circuit Board (PCB) Handling and In-Circuit Test (ICT) have historically been difficult applications to fully automate due to the delicate nature of parts and the frequency of line changeovers.

While industrial automation solutions have been successfully introduced into the production process, people are still needed to perform post-production tasks, such as loading and unloading testing equipment. These manual operations, while repetitive and of low additive value, require a level of flexibility and agility not found in traditional automation tools.

That is, until now.



 Sawyer “feels its way” into fixtures, testers, and routers - without breaking or damaging sensitive boards or parts.

The smart, **collaborative robot from Rethink Robotics**, Sawyer delivers a cost-effective, high performance automation tool for PCB handling and ICT.

Weighing in at a slim 19 kg (42 lbs) and featuring a standard reach of 1260 mm with seven degrees of freedom, Sawyer can drop right into your existing environment, with minimal reconfiguration of your current infrastructure.



Sawyer: Ideal for precise, repetitive tasks

Ready to deploy throughout North America, Europe and Asia-Pacific, Sawyer offers manufacturers the following benefits:

Process reliability – Sawyer’s patented compliant motion control technology allows the adaptive robot to work the way people do, dynamically managing semi-structured environments and adapting to real-world conditions.

Flexibility – Sawyer features two embedded camera systems, which enable the **Robot Positioning System**, and allow manufacturers to quickly move the robot between different tasks and work cells. Quick change end-of-arm-tooling is easy.

Lower total cost of ownership – Sawyer’s built-in intelligence translates to increased uptime, lower scrap rates, and significant process quality enhancement. These benefits lead to a dramatically lower cost of operation for the entire line – which means you realize ROI in months, not years.



Watch Sawyer operate a bed of nails tester:
<http://bit.ly/sawyer-pcb>

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