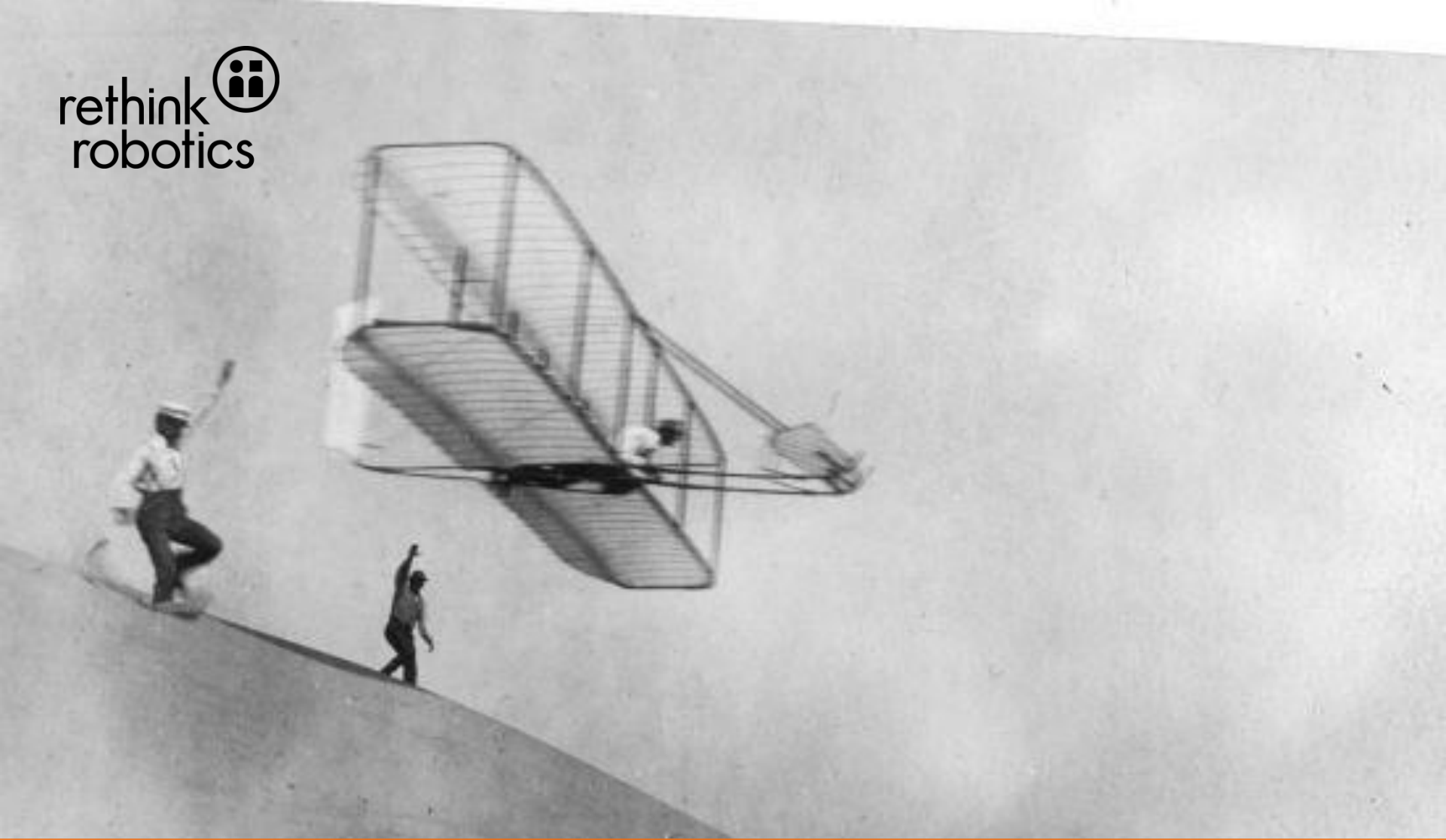


rethink
robotics 



A DIFFERENT KIND OF ROBOTICS COMPANY

CHALLENGES FACING MANUFACTURERS TODAY

Labor shortage

Rising labor cost

Manufacturing agility

Short life cycles

Fast ramp to volume

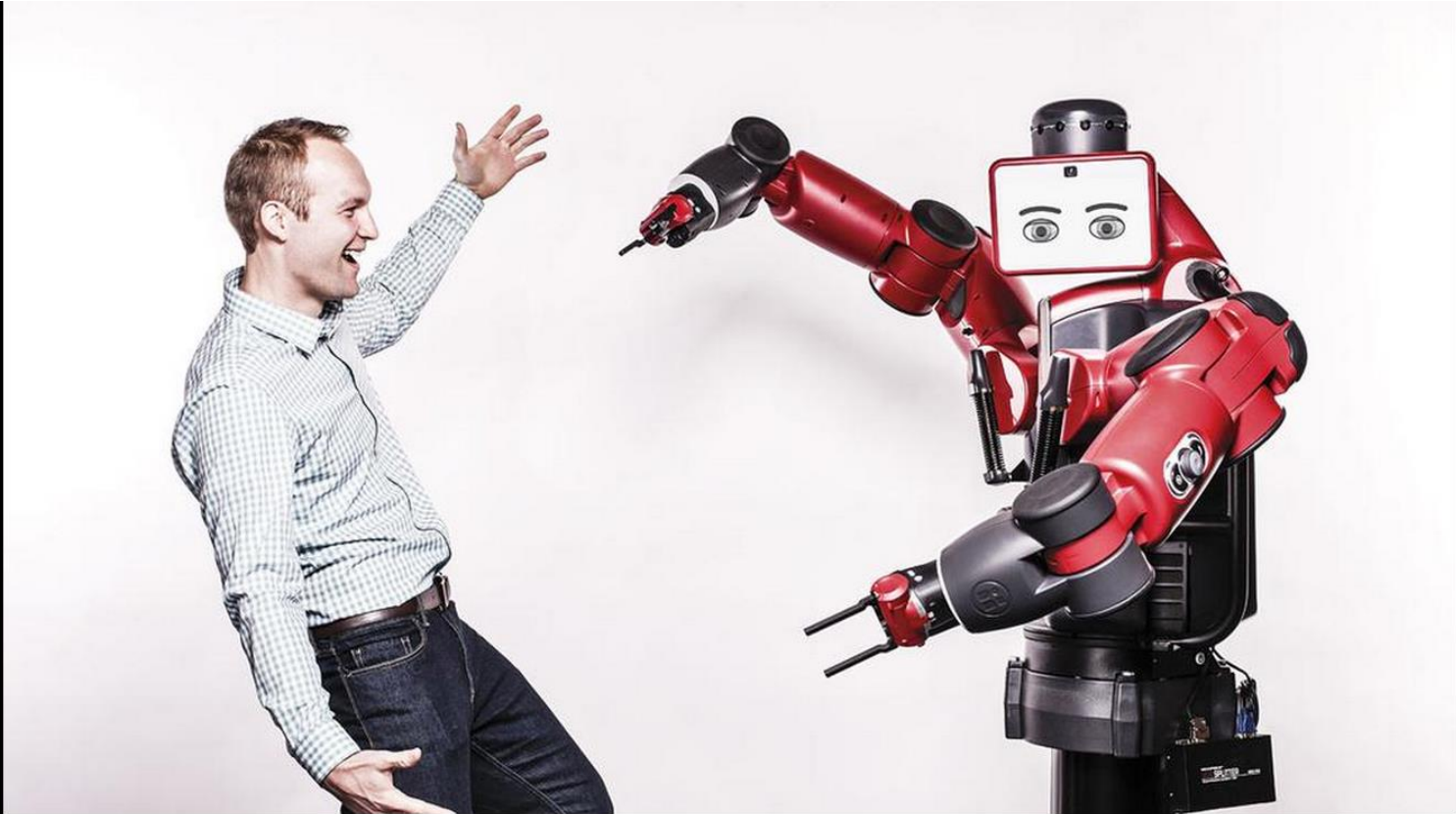
Manufacture near customers

**Existing
automation
solutions are
expensive
and
inflexible**

Our customers are building
factories of the future, today

Our **smart, collaborative robots**
adapt to **real-world variability**,
are agile enough to **change applications quickly**,
and perform tasks **like humans do**

We've created this **new category of robots**
for the **95% of tasks** that couldn't be
economically or **practically** automated before



Rethink Robotics @RethinkRobotics · May 6

The Job Of The Future Is Training Robots To Work With Humans ow.ly/MBFbN by @thealexknapp via @Forbes



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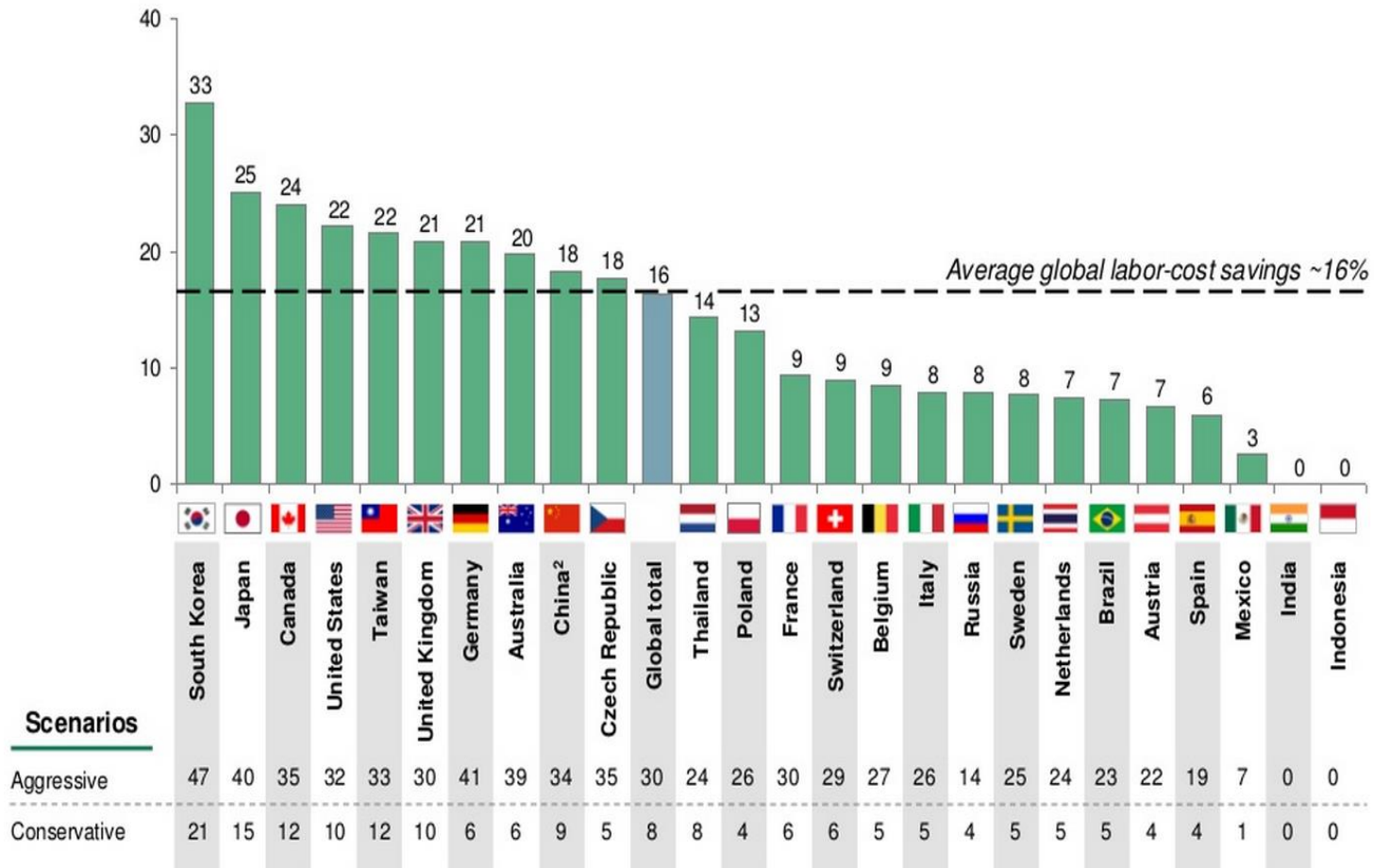


5



By 2025, ~25% of all 'automatable tasks' will be automated through robotics, driving ~16% in global labor-cost savings

Labor-cost savings from adoption of advanced industrial robots (% , 2025)



¹BCG estimates that by 2025, the portion of automatable tasks done by robots will surpass 23% for all mfg industries worldwide. Select heavy-adopting industry-country pairs are expected to near steady-state maximum automation levels of ~60% in 2030 or later. ²China figures based on YRD region. Sources: STAN Bilateral Trade Database, US Bureau of Labor Statistics, BCG analysis

A NEW CATEGORY OF ROBOT

Smart. Simple. Fast. Affordable.

Software + Sensing = Intelligence

Simple, ubiquitous, manual tasks

Fast deployment and change-over

Payback in a year

Safe around people

500+
robots in
the field

Large Manufacturers



Small & Medium Enterprise



Research & Education



RETHINK ROBOTICS: COMPANY OVERVIEW



- Founded in 2008 by robotics pioneer Rodney Brooks (iRobot, MIT)
- Backed by Tier 1 investors – Bezos, CRV, Highland, Sigma, DFJ, TwoSigma
- Hundreds of Baxter robots in the market in manufacturing and R&D settings
- 70 people, two thirds are engineers and more than half have PhDs or Master's degrees
- 27 patent applications filed on core technologies including 3 fundamental 'master' patents



TIME

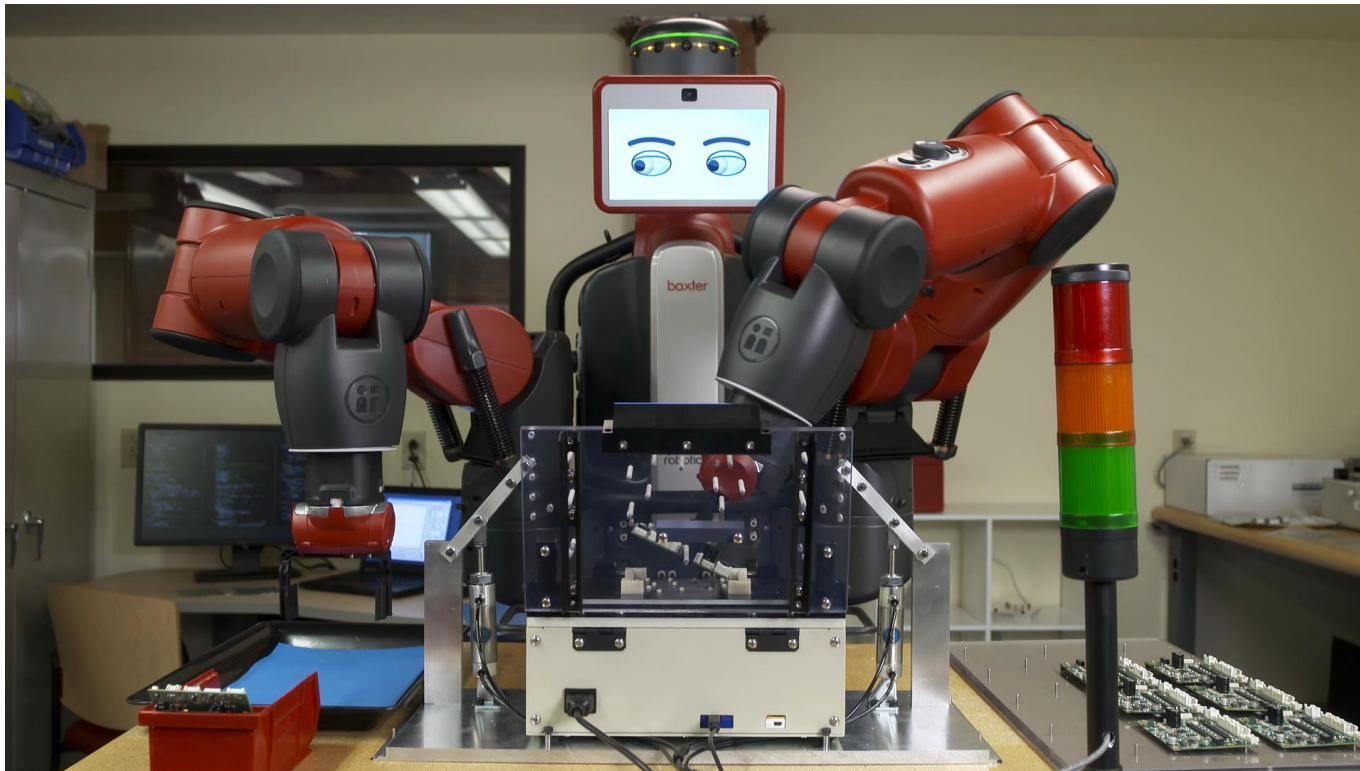
WIRED



CONTROL
ENGINEERING



REAL-WORLD EXAMPLE: CIRCUIT BOARD TESTING





Rethink Robotics @RethinkRobotics · Mar 19

We're all very proud to introduce our newest, smart, collaborative robot: Sawyer.

ow.ly/KwV7R



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BAXTER RESEARCH ROBOT (2013)



baxter
research robot

7 degrees-of-freedom
per arm for maximum
flexibility and range

**360° sonar and front
camera** for custom
sensing applications

**Torque, position,
velocity sensing and
control** at each joint

ROS framework for
seamless integration
across platforms

**Software Development
Kit** for installation on your
development workstation



**Fully integrated
cameras** on head
and each wrist for
streamlined image-
based application
development

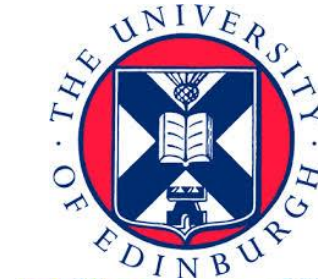
**End-effector
specification
package** for
designing and
mounting custom
grippers

WHO ARE OUR CUSTOMERS?



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

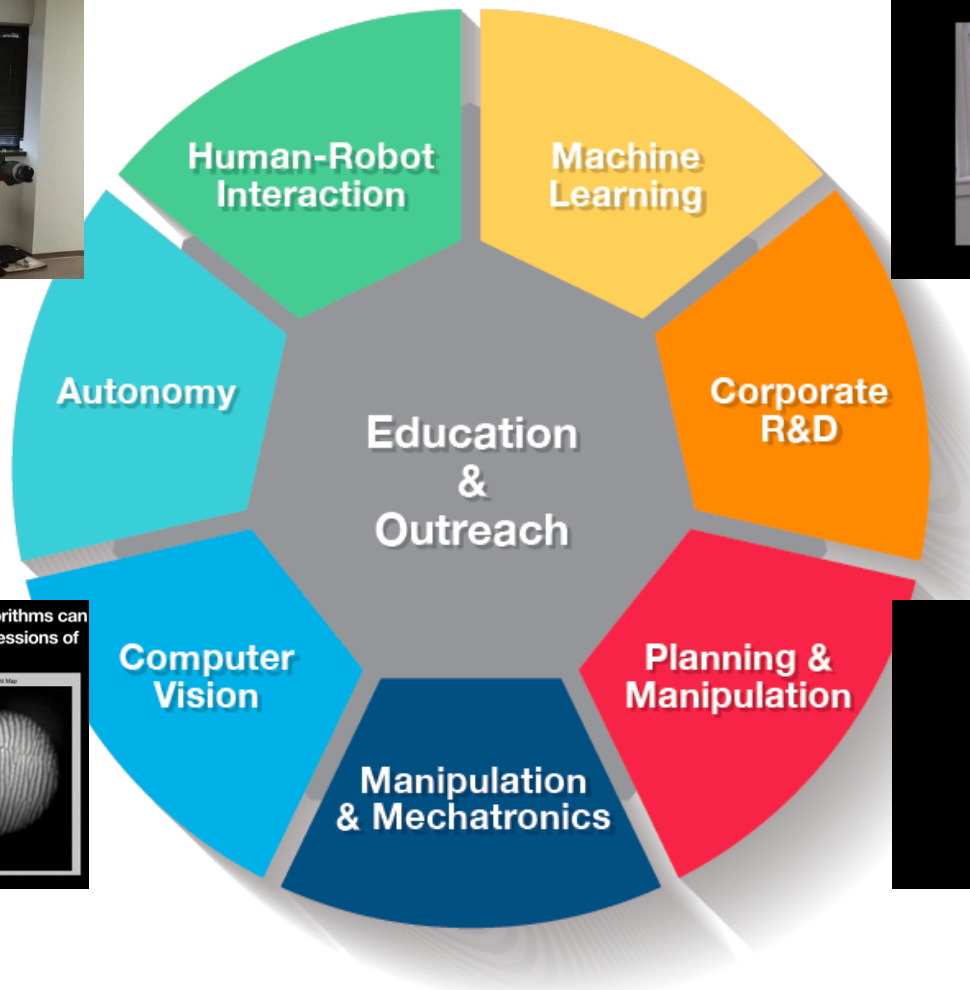
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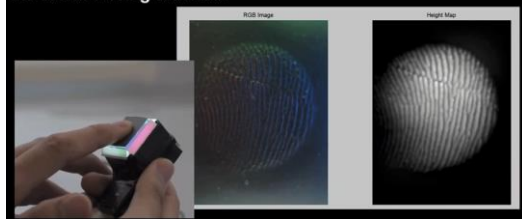
UNIVERSITY of
ROCHESTER



DEVELOPER COMMUNITY DELIVERS EXPANDING POTENTIAL



From the different intensities of the colored light, algorithms can infer the three-dimensional structure of ridges or depressions of the surface being touched.



HOW ARE OUR CUSTOMERS USING BAXTER?

