



Simplifying Automation





## INDUSTRIAL ROBOT INTEGRATION

Sisu was founded in 2010 by individuals who wanted to do what they love: create incredible electro-mechanical machines. Since that time, they have engineered machines for companies throughout the United States and around the world.



## BEING FAST AND PRECISE IN A SMALL WORLD

Sisu specializes in high-tech, precision applications of robot industrial automation. In the microscopic manufacturing world of consumer digital devices, speed is just as critical as precision. Consequently, industrial robots are filling increasingly crucial roles in reducing build costs while increasing product profitability. Sisu provides manufacturers with robot systems built specifically to their manufacturing need and functionality.

These robot systems are built from base models and each application comes with its own unique set of challenges. Sisu brings together engineers from mechanical, electrical, and software disciplines who work together to solve complex industrial challenges, allowing them to quickly complete a digital model and move forward with designs and prototypes.

## Consumer Device Automation

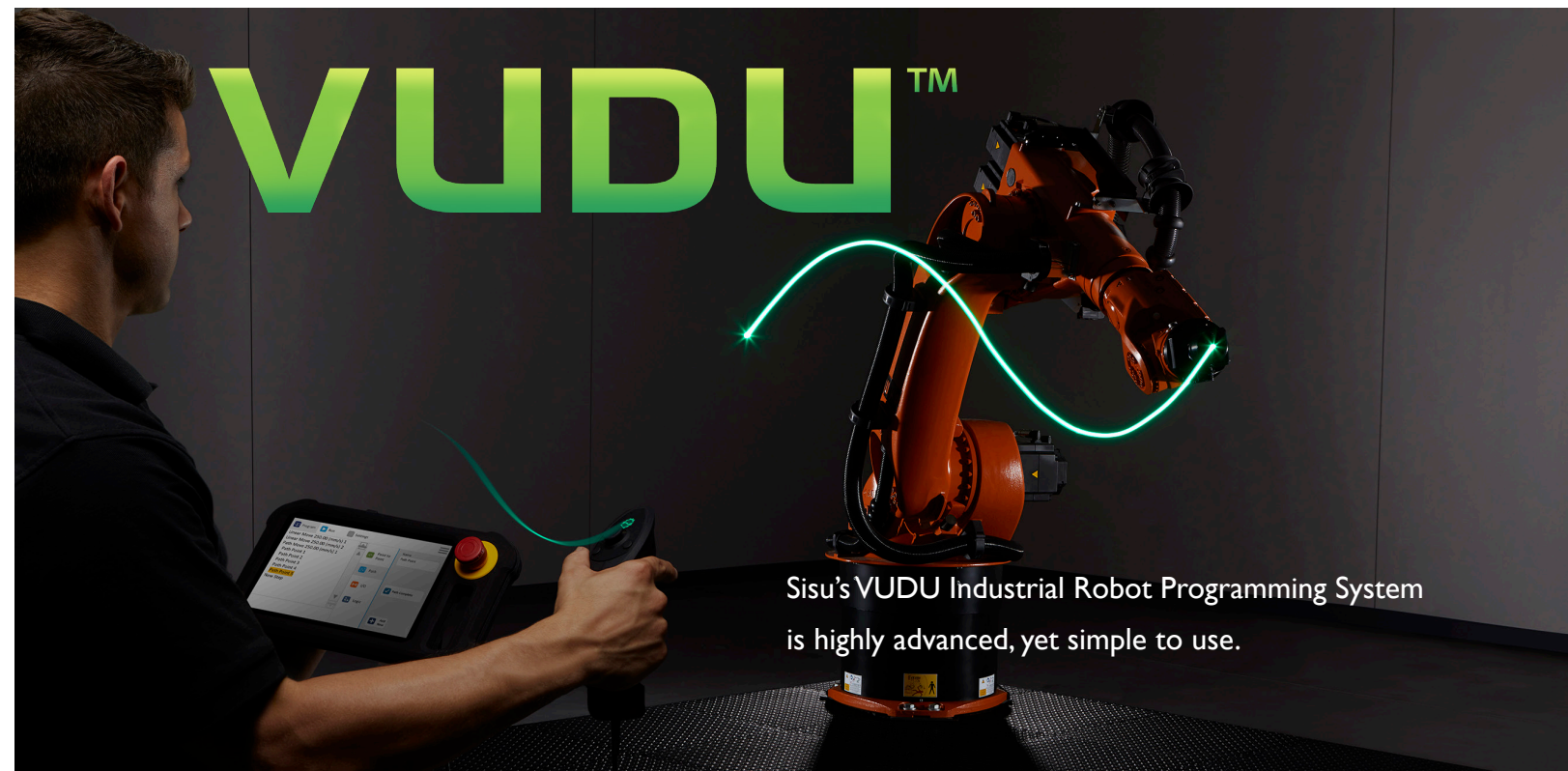
As personal digital devices continue to grow in popularity and complexity, the automation of assembly, repair, and testing becomes increasingly significant. Sisu has extensive experience creating robot cells that reduce cost and increase yield in this growing industry.

### Assembly

Mistakes cost money. Proper assembly requires precise motion and high repeatability. Sisu's robots often work in the single-digit micron precision range. Laser sensors, cameras, microphones, conveyors, and more are used by Sisu to create cells with the capability of processing millions of devices.

### Repair and Testing

Robot cells may also be used to test both new and refurbished consumer devices for functionality such as screen test, speakers, cameras, button functionality, and much more. These robot cells may also clean consumer devices that are being repaired or refurbished.



Sisu's VUDU Industrial Robot Programming System is highly advanced, yet simple to use.



## DESIGNED FOR ALL SIZES OF INDUSTRIAL ROBOTS

VUDU uses a hand-held controller to simultaneously translate and rotate the robot end effector in all six degrees of freedom. The controller is paired with an intuitive touchscreen pendant for visually writing programs using an intuitive tree structure with point-to-point moves, path moves, I/O operations, and logic structures.

## PROGRAM IN MINUTES, NOT HOURS

VUDU takes robot automation to a new level through Sisu's patent-pending MUV360 Technology. With its intuitive design and visual programming interface, VUDU dramatically decreases the complexity of programming and opens the door for thousands of new automation applications.

Visit [sisu.us](http://sisu.us) for additional information on Sisu and our products.

The KUKA logo is displayed in orange capital letters.

Official System  
Partner



Alliance  
Partner



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