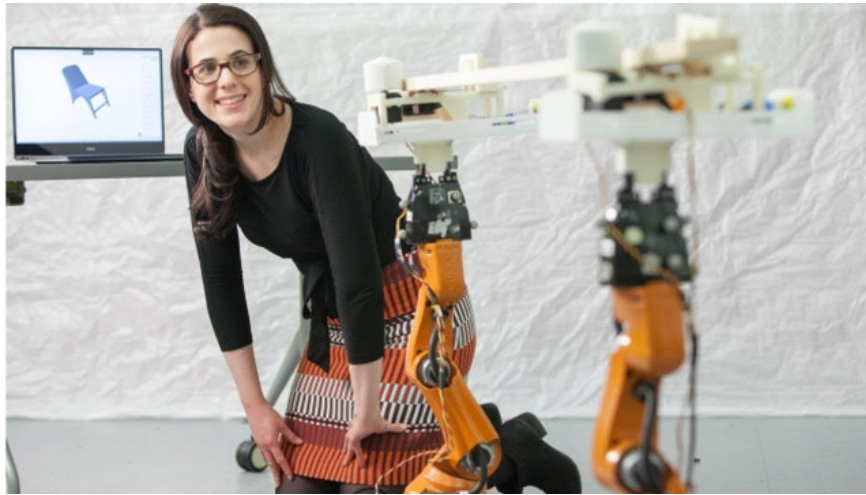


# AutoSaw experiment system, using robots to serve sawing

Scientists at MIT's Computer and Intelligence Science Laboratory (CSAIL) have developed an experimental system called AutoSaw, which uses robots to serve woodworking.

For many people, electric saws are frightening things, bringing horror images that make the mind panic. But sawing is an indispensable part of creating wooden items. Currently, scientists at MIT's Computer and Intelligence Science Laboratory (CSAIL) have developed an experimental system called AutoSaw, which uses robots to serve wood sawing.



Users start using computers and use the existing OnShape CAD system, to design basic models according to the type of item they want to build and build. They can refine the template at will, taking into account factors such as size or aesthetics. Once the design is completed, the program will create a list of all pieces of wood that need to be cut. This list is then transmitted to the robots.

Guided by the motion tracking system, the two automatic rack-sized systems like the small cell phone Kuka Youbots will lift the raw wood pieces and bring them to the saw blade.

After all the wood has been cut, the computer guides the user through the process of assembling them to create the finished product.

So far, AutoSaw has been used to build a table, with simulations showing it can be used to create chairs, small storage compartments or boards.

Team member Adriana Schulz, a graduate student, said: *"Our goal is to democratize furniture customization, enabling people to change the furniture items that are best suited to their needs. my demand "*.

**You can see the video about this robot below:**

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