

[00:00:00.410] - Speaker 1

Harmony SHR is an upper extremity exoskeleton that is designed specifically to address neuromuscular deficit associated with stroke. It also can be applied to orthopedic injury.

[00:00:14.750] - Christopher Prentice - CEO

People have asked, why hasn't this been done before? Well, there has been attempts to move humans with robots, but they're more what's called end-effectors. A robot that would grab onto my wrist and pull me through. The problem is, it's going to pull through geometric space from point A to point B in the manner that the robot wants. That's not what needs to happen. You need to be able to move according to the human movement. So our secret sauce is taking a robot arm from point A to point B with the human arm in it, doing it.

[00:00:46.190] - Gusty Denis - Chief Commercialization & Strategy Officer

You see the fact that they're able to stretch an arm that's had a neuromuscular deficit, to move again in a way that they haven't been able to.

[00:00:54.850] - Christopher Prentice - CEO

You'd have about 7 million patients just in America that are chronic stroke. Now they're dealing with what's called learn deficit. You just learn to deal with your deficit. So post stroke, you've forgotten how to move. You're so capable physically, but you've somehow forgotten you got to click the switch. Neuroplasticity, relearn what you know. So being able to touch all those patients and give them a better day is exciting. And then you take a look at the caregivers, and I watch caregivers labor all day long, moving patients, hurting themselves, giving up their quality of life for others that shouldn't be. We need to bring them better technologies and days so that they can extend their caregiving life and have more access to patients.

[00:01:46.750] - Gusty Denis - Chief Commercialization & Strategy Officer

The ability to provide them with technology that will enhance what they're able to provide for the patient, hopefully speed that recovery, is why we're in the business.