

Vispala Unveils iGrip –Its First Revolutionary Voluntary-Closing Body-Powered Hand Prosthesis



West bengal, kolkata, Aug 27, 2021 ([IssueWire.com](https://www.issuewire.com)) - [Vispala](#) is a leading medical technology company headquartered in Kolkata, India. Vispala offers advanced, efficient, and affordable hand prosthetic devices for people with upper limb disabilities. The Company has named its new body-powered hand prosthesis as iGrip.

Apart from iGrip, Vispala is developing an array of products (3D Printed Sockets and Covers for Prosthesis and Assistive Robotics) for people with upper limb mobility impairment. Designed with top-notch quality and 3D printing technology, iGrip assists amputees to fulfill individual goals like returning to work, becoming independent, and earning a livelihood.

As per sources, iGrip will boost the self-confidence of people suffering from limb loss due to multiple reasons.

In a world population of approximately 6.7 billion, there are around 10 million amputees. They are the survivors of a road accident or industrial mishaps, diabetes, or birth defects. More than two lakhs of amputation operations are performed annually in India, but very few amputees receive proper medical care. People cannot afford prosthetic devices due to their high price. To address this problem, the team Vispala has developed iGrip to broaden the access of prosthetic limbs and deliver a low-cost, easy-to-use solution to reinforce the living standard of amputees.

Vispala iGrip is a voluntary-closing system and an ultralight device that gives superior gripping control. The user-friendly and ergonomic product is easy to maintain and comes with great load capacity. Users can operate the terminal device from the opposite shoulder through a harness and control cable.

Being an environment-friendly company, Vispala has made sure that iGrip is made from 100% recyclable materials. Moreover, the company has integrated iGrip with features like a 3D printed body constructed with industrial-grade polymer, 360-degree wrist rotation, and a stainless-steel linkage mechanism. These features provide iGrip resistance from rust and corrosion.

The technical and designing team of Vispala proudly stated the journey of iGrip development. The team said, "While designing and planning iGrip, one of the greatest objectives that we had was to come up with a product that is super-efficient, easy to adapt with physical connotations, and should be automated. After several rounds of brainstorming, and discussions our team came up with the idea of iGrip. This prosthetic hand system is a perfect fusion of modern technology and natural functionality".

Furthermore, the company is focusing on developing countries of Asia, Africa, and the Middle East to

market its products. The reason behind focusing on this market is that the “Majority of 85% people living in these countries are not capable of purchasing expensive limb devices and other supporting products available to them. Vispala has identified this need, and aim to serve people of these regions in the best possible way,” said Rajib Chowdhury, Business Head for Vispala Technologies.

The five-finger prosthetics device provides an easy gripping facility to the users. iGrip provides a wide opening diameter of 72 mm that assists the user with getting a handle on objects effectively. The product provides an auto-locking mechanism that keeps it in a closed position and assists users with holding objects for an extensive stretch without giving additional exertion. The hand can lift up to 10 kg weight. iGrip body harnesses are skin-friendly and offer effective and comfortable prosthesis control for users, thus preventing skin irritation and burning after prolonged usage.

The socket can be customized by the Vispala team, considering the serviceability, accessibility, and affordability of the target group in mind.

On the occasion of the launch of iGrip, Mr. Basu, CEO of Vispala, stated –

"I am thrilled at this moment. Our team has worked very hard for two consecutive years to develop a comfortable, affordable, lightweight prosthesis. We dedicate this breakthrough product to people suffering from different limb issues. At Vispala, our dream is to serve the community with cutting-edge prosthetic systems that are strategically crafted to serve our customers.

For more details, please visit – www.vispala.com or contact +913346043155 or email media@vispala.com

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