

Match Maker/ Rehabilitation/ 2 March 2022

Piltover Technologies Pvt Ltd

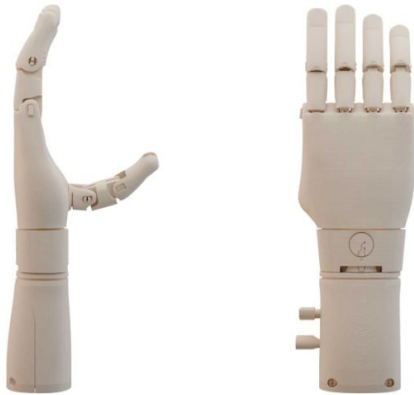
Product: Mechanical Prosthetic hand

Website of the company: <https://www.piltovertechnologies.com/>

Founder: Manan Issar

TechEx.in Case Manager: Pradnya Aradhya (pradnya@venturecenter.co.in)

About the product



IDA
M-SERIES I

\$200

The world's most functional mechanical prosthetic hand.

Problem: Prosthetic hands are either expensive or of abysmal quality.

Solution: IDA M-Series I is a low-cost high utility mechanical prosthetic hand

Product features/ specifications:

- Proprietary knob-based self locking mechanism
- 180 degree wrist rotation
- 90 degree thumb rotation
- Adaptive Grip
- Add-Ons
- The Box Theory

Status

- In sales
- Beneficiaries



Awards, Grants, Recognitions and Certifications

- Raised pre-seed investment at \$1M valuation from ThinQbate and Hatcher+
- Represented India at Jerusalem, Israel at StartJLM
- IIM C NDTV Smart Fifty Contest (Top 50 startups in India)
- Kerala Startup Mission Idea Day winners
- IIM A/ Startup Oasis, Social Accelerator winner
- IIT Kanpur, Accessible India Competition winner
- IIT Kanpur, Manmohan Gill Bio Competition winner
- IIT Kanpur, Social Track Competition winner
- Startup World Cup Regionals (India), 3rd place
- IIT Bombay, Runners Up of Eureka (Social Track)

Comparison with other products



	ALIMCO	LN-4	E-nable	PiltoverTech
Cost	INR 8,000-15,000	INR 20,000-30,000	INR 7,500	INR 15,000
Degree of freedom	2	1	1	4
Durability	High	Medium	Low	Medium
Material	Metal	Plastic	ABS/PLA	PLA (Biocompatible)
Weight	~900g	~300g	~250g	~600g
Aesthetics				



Uniqueness/ Novelty of the product

- Eliminates need to apply bodily pressure
- Product features: wrist rotation, thumb rotation, adaptive grip
- Add-ons and The Box Theory
- The unique value proposition of enhanced utility at an affordable price point. As explained before, our \$200 product is capable of performing at least 25% of what bionic hands can do, at 0-2% of the cost

About the company

Advisor

s



Prof. Dr. NN
Sharma
Pro-President,
MUJ



Mohan
Sundaram
Founder,
ARTILAB



Pranav Marwah
Founder,
thinQbate



Anirudh Kishen
Family Business,
Kerala

backed by thinQbate, Hatcher, AIC-MUJ,

Tea



Mr. Anmol
Sachdev
Operations



Mr. Ayush Arora
Product Design



Mr. Aayush
Saurabh
3D Design



Manan Issar, CEO

hardware technology

enthusiast

ex-founder of 3D Printing

startup

felicitated by Rajasthan CM

represented India in Israel



Project and Ask



Project Asha

To enable 150 below-elbow amputees perform day-to-day activities by fitting IDA M-Series I prosthetic hand.

Planned beneficiaries and potential impact for beneficiaries

Tie-up with NGOs for beneficiary identification and distribution.

Tie-up with Artilab Foundation in collaboration with Association of People with Disability (APD), Bangalore and Rotary Karnataka

Target Beneficiaries:

Amputation: Below the elbow

Gender: Male and Female

Age Group: Adults (18+)

Financial Status: Low Income Class

Women amputees; sewing as a profession. Amputees who are in IT (typing), Accounting and other such professions.



Deliverables, timelines and budget

Budget: 25 Lakhs

Timeline: 4 months

Deliverables:

- Socket and prosthetic hand fitment on **150 beneficiaries**
- Project report on the depth of social impact IDA M-Series I has had on the lives of the beneficiaries: Showcasing **crucial daily tasks** they can perform after the fitment of *IDA M-Series I* and **livelihood intervention**
- A short video documentation of all the processes involved along with the feedback from the users

For more information

Case Manager:

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Start-up:

Piltover Technologies Private Limited

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