

SUCCESS STORIES OF STARTUPS

RKVY RAFTAAR – ARISE and UPJA

Green Robot Machinery Pvt. Ltd.

Founder: Manohar Sambandam

Focus Area: Farm Mechanization

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Foundation Year: 2014

Location: Karnataka



PROBLEM STATEMENT

Lack of mechanized solutions for cotton harvesting and unavailability of skilled manual workforce.

SOLUTION OFFERED

Startup has developed a single person operated electrically powered semiautonomous precision cotton picking machine which can pick multi-bloom cotton using high speed robotic arm assisted with vision-AI technology.



PRODUCT USP

- Cotton picking without any damage to the plants
- Labour productivity of upto 5X

SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT

The adoption of such technology reduces the labor-intensive nature of cotton picking, alleviating the physical strain and drudgery associated with manual labor. Improved cotton-picking technology can help reduce the need for seasonal migration of laborers. The precision cotton picking machine can significantly increase the speed and efficiency of cotton harvesting, leading to higher yields, cost savings and increased revenue for cotton farmers. Enhanced productivity and quality of cotton can lead to increased access to domestic and international markets. By enabling more efficient and precise cotton picking, the technology can reduce the need for chemical defoliation agents, herbicides, and pesticides, conserve water & soil.



* 05 products in the market



* 50+ Farmers Benefitted
(During Trail Phase)

* as provided by the startup [Data Year 2023-2024]