



PUCV Plastic Recycling Machine

MACHINE FOR SHREDDING AND MOLDING RECYCLED PLASTIC

KEY WORDS

RECYCLING,
MACHINERY,
PLASTIC

DESCRIPTION

Development of a machine to recycle plastic through shredding, melting, and injection molding. This machine transforms plastic waste into new, useful products such as planters, reducing environmental impact. The prototype is currently under construction and validation.

POTENTIAL BENEFITS OR IMPACTS

Promotes local recycling with accessible and replicable technology. Enables communities or organizations to transform plastics into valuable new products, reducing waste and creating economic opportunities. Can be scaled as a sustainable business.

TECHNOLOGY MATURITY LEVEL (TRL)

TRL 3: experimental proof of concept

AREA OF APPLICATION

Plastics

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