Functional Requirements of Recycling Machine

Type	Requirement
Functional	Identify and sort plastics, paper, metal, glass.
Functional	Separate bins for each material type.
Functional	Compact materials to save space.
Functional	Weigh recyclables and display total weight.
Functional	User-friendly interface with clear feedback.
Functional	Provide rewards like coupons or points.
Functional	Alert users when bins are full or need service.
Functional	Easy maintenance access and self-cleaning.
Functional	Generate reports on collected materials.
Functional	Operate with minimal environmental impact.

Non-Functional Requirements of Recycling Machine

Type	Requirement
Non-Functional	Available 24/7 with backup power.
Non-Functional	Fast sorting and processing.
Non-Functional	Intuitive, accessible, multilingual interface.
Non-Functional	Secure against unauthorized bin access.
Non-Functional	Durable and weather-resistant construction.
Non-Functional	Scalable to handle increased volume.
Non-Functional	Energy-efficient operation.
Non-Functional	Easy to maintain with automated diagnostics.
Non-Functional	Compliant with environmental and safety standards.
Non-Functional	Integrates with recycling/rewards systems.