



PETWASTE
(PRODUCT OF G G ENGINEERING LIMITED)



GG ENGINEERING LTD.

(An Authorized OEM for Tata Motors LTD.)
An ISO 9001 : 2015 Certified Company
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G G ENGINEERING LTD.

PRODUCT CATALOGUE



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ABOUT THE COMPANY

G G ENGINEERING LTD was established on 23rd January 2006 to cater to the rising demand of Quality sheet metal and heavy steel products. The organization is headed by Mr.Vinod Beriwal,MBA from Welingkar institute Mumbai and Mr.Kamal Beriwal.

Total area of our company, G G Engineering Ltd. is 40000 sq. ft. and covered area is 20,000 sq. ft. Our team comprises of well Trained Engineers, skilled labour to execute all types of manufacturing activities such as punching, forming, shearing, bending, fabrication, Welding, powder coating, assembly etc. Our design office is equipped with latest CAD technology being handled by well experience and qualified engineers.

We are into manufacturing of RVM machines in India. Our factory is in Gujarat State, India. We have supplied our RVM to various government organisations, railways, airports, etc. We are regularly participating in various government initiative for cleanliness.

OUR VISION

With more than 1.3 billion people, India is the second most populated country in the world. The volume of waste generated here is astounding. Some estimation says that the amount of waste generated by Indian cities will grow at a rate of 8% per year. After looking these numbers, it's very important for us to get a handle on waste management.

After getting motivated from clean India mission by government of India, we decided to give our contribution into the mission. We have studied the cleanliness policies across the world, especially in Europe and we came to conclusion that solid waste is playing significant role.

We have a dream that India will be:

- 100% recycling country.
- Waste free country.
- Plastic pollution free country.
- Clean place to live in.

Every year, 1.9 trillion-ton PET plastic is produced in the world. Only in India, 900000-ton PET plastic is being produced. It is growing by 8 to 9% every year. Most of the PET plastic bottles are for only one-time use. When they are used more than once, toxic chemicals are released and causes health issues. Such empty pet bottles must be collected and recycled in efficient way. Right now, there is no optimized way to collect and recycle. Those beverage containers are thrown on streets, tourist places, common dust bins etc. It would be very difficult to separate the plastic from common waste. So, the alternative ways should be found to solve the problems.

SOLUTION

The problem of PET plastic waste can be managed systematically and in optimized way by collecting in reverse vending machine. Our RVM is India's first fully automated and smart reverse vending machine. We provide our customers full solution according to their requirements. GG Engineering Ltd. is a market leader with the USP of supplying customized machineries as per market requirements.

Catalog Of Plastic Bottle Crushing Machine (RVM)

	Specification	GG PBCM 10 (wall mounting)	GG PBCM 20 Manual	GG PBCM 30 Manual
Mechanical	Machine Body	MS - Steel	GI - Steel	GI - Steel
	Size (In mm) (D x W x H)	150 x 185 x 520	825 x 600 x 1300	825 x 600 x 1300
	Capacity (Bottles/ day)	200	200	200
	Bottle Size max	1.25 L	2L	2L
	Weight (In Kg)	5 KG	100kg	100kg
	Waste Bin (In Kg)	NA	5Kg	5Kg
	Bottle Reduction Size	80%	80%	80%
	Mobility	NA	Heavy Duty Wheels	Heavy Duty Wheels
ELECTRICAL	Power Supply	NA	SMPS - ERD	SMPS - ERD
	induction Motor Rating	NA	NA	NA
	Power Consumption/Hr	NA	60W	60W
	Power Back Up	NA	12V 7AH, 8Hrs	12V 7AH, 8Hrs
HMI & CONTROL	Screen	NA	CHAR LCD	CHAR LCD
	Screen Size	NA	16X2	16X2
	Noise	NA	NA	NA
	Speaker	NA	NA	NA
	Touchscreen	NA	NA	NA
	Printer	NA	2" Thermal Printer	2" Thermal Printer
	Recognition system	NA	Sensor Based	Sensor Based
	CPU	NA	MCU - Resonant	MCU - Resonant
	Software	NA	EMBEDDED	EMBEDDED
Keypad	NA	YES	YES	
OPERATING FEATURES	wi-fi / gsm modem	NA	YES	YES
	SMS Notification	NA	YES	YES
	Keyboard	NA	YES	YES
	Bottle Counting Sensor	NA	YES	YES
	Coupon Vending	NA	YES	YES
	Conveyer System	NA	NA	NA
	Operations	NA	Manual	Manual
	Reward System	NA	Points/Coupon	Points/Pouch/Coupon
	Live tracking	NA	Yes	Yes
	Process Time	NA	10 sec	10 sec
SAFETY FEATURES	Hand Protection	NA	NA	NA
	IP Camera	No	NA	NA
	Bin Full Alert		YES	YES
	Overheating	NA	NA	NA
	Manual On/Off	NA	YES	YES
	Anti Fraud Protection	NA	YES	YES
	Auto Start/ Stop	NA	YES	YES
	LED panel for advt.	NA	NA	NA

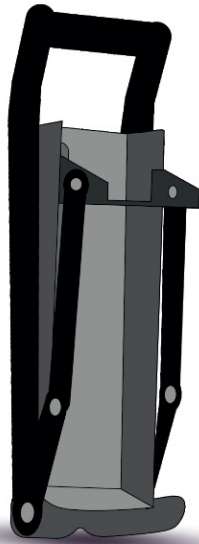
Catalog Of Plastic Bottle Crushing Machine (RVM)

	Specification	GG PBCM 40	GG PBCM 50	GG PBCM 60
		Auto	Auto	Auto
Mechanical	Machine Body	MS - Steel	MS - Steel	MS - Steel
	Size (In mm) (D x W x H)	995 x 955 x 1800	995 x 955 x 1800	695 x 955 x 1360
	Capacity (Bottles/ day)	750	750	500
	Bottle Size max	2 lt PET	2 lt PET	2 lt PET
	Weight (In Kg)	300	350	400
	Waste Bin (In Kg)	15kg	15kg	10kg
	Bottle Reduction Size	80%	80%	80%
	Mobility	Heavy Duty Wheels	Heavy Duty Wheels	Heavy Duty Wheels
ELECTRICAL	Power Supply	220V Single Phase	220V Single Phase	220V Single Phase
	induction Motor Rating	1 hp / 750w	1 hp	1 hp
	Power Consumption/Hr	750w	750w	750w
	Power Back Up	NA	NA	NA
HMI & CONTROL	Screen	SAW Touch	Saw Touch	Capacitive Touch
	Screen Size	15.6"	15.6"	21"
	Noise	<75db	<75db	<75db
	Speaker	8W PMPO	8 w PMPO	8 w PMPO
	Touchscreen	Yes	Yes	Yes
	Printer	2" Thermal Printer	3" Thermal Printer	3" Thermal Printer
	Recognition system	Sensor Based	Sensor Based	Machine Vision
	CPU	Embedded Computer	Embedded Computer	i3 INTEL processor
	Software	Linux	Linux	Linux
Keypad	On Screen	On Screen	On Screen	
OPERATING FEATURES	wi-fi / gsm modem	YES	YES	YES
	SMS Notification	YES	YES	YES
	Keyboard	YES	YES	YES
	Bottle Counting Sensor	YES	YES	YES
	Coupon Vending	YES	YES	YES
	Conveyer System	YES	YES	YES
	Operations	Fully Automatic	Fully Automtic	Fully Automtic
	Reward System	Points/Coupon	Points/coupon	Points/Coupon
	Live tracking	YES	YES	YES
	Process Time	6 sec	6 SEC	6 Sec
SAFETY FEATURES	Hand Protection	Yes	Yes	Yes
	IP Camera	Yes		Yes
	Bin Full Alert	Yes	Yes	Yes
	Overheating	Auto Cut off	Auto Cut off	Auto Cut-off
	Manual On/Off	Yes	Yes	Yes
	Anti Fraud Protection	YES	YES	YES
	Auto Start/ Stop	Yes	Yes	Yes
	LED panel for advt.	NA	Backlit - Left Right & Front	TV49" - both Side

Catalog Of Plastic Bottle Crushing Machine (RVM)

PARTICULARS	DISCRIPTION
Machine shall be suitable for disposal of Muncipal Waste such as PET bottle, Aluminum cans, by shredding	Yes
Cutting mechanism	Material grabbed between two counter rotating shafts
Shredding capacity in kg/hr	7,15,25,30,50,60
Electrical motor rating (HP)	1,2,3,5,7.5
Current Rating in Amperes	10 A, 16 A, 32 A
Warranty in Years	1
Shredding speed in rpm	7,8,9,10
Shredding speed in rpm	Automatic
Machine should be covered with Powder coated steel enclosure to avoid spillage of waste	Yes
Material of cutter of shredder	Hardened Special Alloy Steel
Gross weight of machine in kg	100 to 400
Material of body	Mild Steel
Door oppen cut off switch	Yes
Motor should be trip off incase of waste loading lid is open	Yes
Short circuit protection	Yes
CE Certification	Certified
ISO Certification	Certified
Size of the shredder chamber in mm x mm (with tolerance of plus minus 10 mm)	100x150, 120x120, 150x150, 150x200, 300x200, 300x300, 400x400
Feed opening in mm x mm	100x150, 150x150, 150x200x 400x400
Waste bin capacity in litres	40, 50, 60, 70, 80, 90, 100
Delivery location	All India

GG PBCM 10



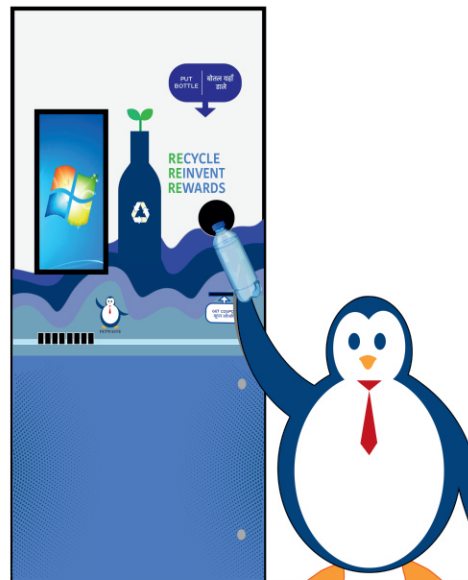
GG PBCM 20



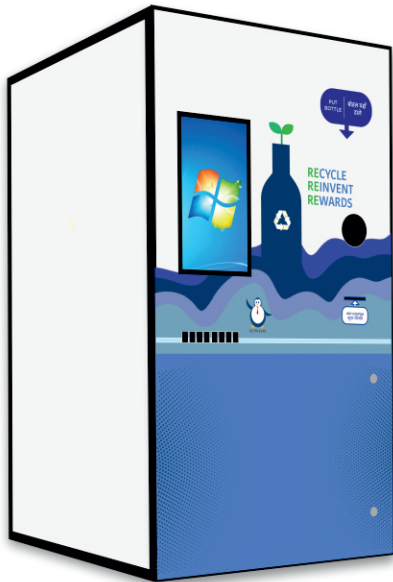
GG PBCM 30



GG PBCM-40



GG PBCM-50



GG PBCM-60



COMMING SOON

COMMING SOON