

FRUIT- VEGETABLE PROCESSING LINE

**SORTING-GRADING-WASHING-SLICING-BLANCHING-
PULVERIZATION-PACKING**



PIONEER IN DEVELOPING GMP-HACCP PROCESS PLANTS

About US...

GENIUS is an integrated business enterprise that develops and operates businesses across many industrial segments including Environmental Engineering, Food processing systems & HVAC&R.

In 2007, BHATAR ENERGY SYSTEMS AND TECHNIQUES (BEST) started as small company with capital of just 20000 rupees and only two employees in Solar Water Heater Systems. Founder Rajendra Hawaldar delivered the purpose of setting up the company was to “establish an ideal organization which contribute to protect our environment through diversified engineering products and services”.

In 2013, We diversified ourselves in to natural resources development, manufacturing industrial HVAC&R systems and new technology related businesses through GENIUS INDUSTRIES.

Now we are presently working in to field of Energy Conservation and Energy Audit, Water Engineering and Water Conservation, Industrial Chilling applications, Innovative Food Processing Equipment & Heat Pump Technology.

As a Manufacturer we offer Heat Pump for Wide range of various industrial applications for Hospitality Industry, Machine Tool Industry, Pharmaceutical, Chemical, Paint, Textile, manufacturing, Automobile, Food and Beverages Industry all over India. We are pioneer in manufacturing and erection of Industrial Heat Pump dehydrators for range of 20 kg to 1000 kg per hr batch.

Along with the dehydration, Genius active in development of Pri Drying process plant. Various vegetables and fruits required different types of sorting-grading-washing and blanching machines. We at Genius manufacture all these machines of capacities of 100 kg per hr to 1000 kg per hr in both batch and continuous type.

All our set up are maintaining GMP practices and Hygiene standards as per HACCP and FSSAI.

Our core Values

Integrity : To be ethical, sincere and transparent in all respect

Excellence : Constantly improve ourselves as an individual and a team to become the best

Unity : Respecting each ones ability & supporting one another

Sensitivity : Building relations with the world we are living in and to be ready to renew ourselves with courage

VISION

We will be a worldwide respected organization for value service and products.

MISSION

Create an organization where people enjoy working for and doing business with

CODE OF CONDUCT

At GENIUS, we believe acting ethically and responsibly in our business. All the employees of GENIUSS should

- ✓ Act with integrity in all our business activities
- ✓ Perform work responsibly for our stakeholders
- ✓ Show respect in the work place

Function & Features

Bubble washing with ozonization

Because of high overturning actions, all the foreign particles from surface get washed. Ozone disinfects the raw material externally

High Pressure jet spray cleaning

Over spraying ensures 100% wipe out of foreign particles from surface. This removes dirty water from surface also during lifting / product removal

Water Filtration Conservation

Equipment comes with additional water pump and strainer/ filter attachment, ensures recycling of water, saves water every day

Automation

For Continuous process set up, as per product and process demand, speed can be adjust to ensure 100% cleaning in optimum power consumption. This helps to maintain production rate further.



VEGETABLE AND FRUIT GRADING-SORTING LINE



IN FEED CONVEYER FOR INSPECTION & GRADING- SORTING

TYPE	GSG 6/10/12	OUTPUT	100-500 KG/HR
POWER	1 HP	SPEED	ADJUSTABLE
VOLTAGE	415 VAC/50Hz	SIZE	6/10/12 RFT



VEGETABLE- FRUIT PREPARATION CONVEYER

TYPE	GVPC-100/500	OUTPUT	100-500 KG/HR
POWER	2 TO 4 HP	SPEED	ADJUSTABLE
VOLTAGE	415 VAC/50Hz	SIZE	CUSTOMIZED

- ✓ **Ergonomic Consideration in Design**
- ✓ **Size is adjustable for 4 to 8 person at a time**
- ✓ **Adjustable speed helps to maintain productivity & handle different pattern**
- ✓ **Easy to Operate, Clean and Maintenance**
- ✓ **MOC – SS304, Automation Level – Semi Automatic**

BUBBLE WASHER WITH OZONIZER- BATCH & CONTINUOUS



BATCH VEGETABLE WASHER WITH BASKETS

TYPE	GBWB-1/2/3	OUTPUT	100-500 KG/HR
POWER	1 TO 3 HP	WEIGHT	100-300 KG
VOLTAGE	415 VAC/50Hz	SIZE	STD



CONVEYER TYPE CONTINUOUS WASHER

TYPE	GBWC-500/1000	OUTPUT	500-1000 KG/HR
POWER	3 TO 9 HP	WEIGHT	400-800 KG
VOLTAGE	415 VAC/50Hz	SIZE	STD

- ✓ 1000 mg Ozone can reduce pesticide residues, disinfection and sterilization.
- ✓ Bubble washing will protect fruit and fruit vegetables to avoid damage and strength of bubbles can be adjusted.
- ✓ Spray jet further clean fruit and vegetables during conveying to next process.
- ✓ Each part is made to ensure even washing of each fruit-vegetable content
- ✓ Easy to Operate, Clean and Maintenance
- ✓ MOC – SS304, Automation Level – Semi Automatic and Fully Automatic

VEGETABLE CUTTING MACHINE- BATCH & CONTINUOUS



BATCH VEGETABLE CUTTING MACHINE

TYPE	GBVC-1/2	OUTPUT	50-125 KG/HR
POWER	1 TO 3 HP	WEIGHT	40-60 KG
VOLTAGE	230 VAC/50Hz	SIZE	STD



CONVEYER TYPE CONTINUOUS VEGETABLE CUTTING MACHINE

TYPE	GCVC-500/1000	OUTPUT	100-300 KG/HR
POWER	2 TO 4 HP	WEIGHT	100-200 KG
VOLTAGE	415 VAC/50Hz	SIZE	STD

- ✓ **Best Suitable for fruit vegetables, fruits and thick leafy vegetables**
- ✓ **Can cut/ slice in different shapes as per blade selection**
- ✓ **Suitable for equal shape slicing of green chilli, okra etc also**
- ✓ **Each part is made to ensure even cutting of each fruit-vegetable content**
- ✓ **Easy to Operate, Clean and Maintenance**
- ✓ **MOC – SS304, Automation Level – Manual & Semi Automatic**

FRUIT AND VEGETABLE BLANCHER



BATCH VEGETABLE BLANCHER WITH BASKETS

TYPE	GBB-1/2/3	OUTPUT	100-500 KG/HR
POWER	3 TO 10 HP	PAST TIME	04-15 MIN
VOLTAGE	415 VAC/50Hz	PAST TEMP	60 TO 90 DEG C



CONVEYER TYPE CONTINUOUS BLANCHER

TYPE	GCB-500/1000	OUTPUT	1000 KG/HR
POWER	07 TO 15 HP	WEIGHT	400-800 KG
VOLTAGE	415 VAC/50Hz	SIZE	STD

- ✓ **Use hot water circulation to ensure uniform temp of bleach tank to maintain the original color**
- ✓ **Auto temp controller available in ele heating ensuring fine tuning of process. Ele heaters not considered in power HP for GCB models.**
- ✓ **Steam jacketed model ensures high degree of performance by reducing time and increasing production rate. Steam generator need separately.**
- ✓ **Each part is made to ensure even blanching of each fruit-vegetable content**
- ✓ **Easy to Operate, Clean and Maintenance**
- ✓ **MOC – SS304, Automation Level – Semi Automatic and Fully Automatic**

FRUIT AND VEGETABLE POWDER PULVERIZER



PULVERIZER- STANDARD

TYPE	GPL-1/2/3	OUTPUT	10-25 KG/HR
POWER	1 TO 3 HP	MESH SIZE	60 TO 80
VOLTAGE	415 VAC/50Hz	SPACE RQD	3X3 FT



CYCLONE TYPE PULVERIZER

TYPE	GCPL-5/ 10	OUTPUT	40 TO 60 KG/HR
POWER	05 / 10HP	MESH SIZE	60 TO 80
VOLTAGE	415 VAC/50Hz	SPACE RQD	5X8 FT

- ✓ **Full body SS and MS powder coated both models available**
- ✓ **Suitable for dried vegetables, fruits, spices, hearbs etc**
- ✓ **Easy to Operate, Clean and Maintenance**
- ✓ **MOC – SS304 & MS Powder Coated**
- ✓ **Automation Level – Manual & Semi Automatic**

FRUIT AND VEGETABLE POWDER/ FLAKES PACKAGING



BAND SEAL MACHINE- VERTICAL/HORIZONTAL

TYPE	GBSMV/H	OUTPUT	10-25 KG/HR
POWER	1 HP	PACK SIZE	50 TO 1000 GM
VOLTAGE	230 VAC/50Hz	SPACE RQD	2X3 FT



POUCH PACKING MACHINE- DRY POWDER

TYPE	GPPM-5/ 10	OUTPUT	100 - 300 KG/Hr
POWER	02 HP	SIZE	50 TO 500 GM
VOLTAGE	415 VAC/50Hz	SPACE RQD	5X5 FT

- ✓ **Suitable for dried vegetables, fruits, spices, hearbs etc**
- ✓ **Easy to Operate, Clean and Maintenance**
- ✓ **MOC – MS Powder Coated**
- ✓ **Automation Level – Semi Automatic**
- ✓ **Band seal machine comes with weigh scale , hand seal mc & batch printer**



Our Expertise...

**Technically Sound Team
Optimum Production Set-up**



Genius Industries

Unit-02, Gat No-287, Kaneriwadi, Next to Kolhapur Auto,
Near Gokul Shirgaon MIDC, Kolhapur, Maharashtra-416234
Call - +91 7038838060 / 9422328060; Email- info@geniuslok.com