

Towards New Horizons



**SILVER
SPONSOR**
**GLOBAL DUBAI
TEA FORUM 2018**



BHARGAB ENGINEERING WORKS

AN ISO 9001:2008 / 14001:2004 / 18001:2007 CERTIFIED COMPANY (SINCE 1954)

Looking Ahead



Sanjib Kumar Sen



Aritra Ranjan Sen

1954 to 2017. More than six decades of skilful engineering activities including more than 40 years' dedicated service to the Tea Industry. Founded by Late Prantosh Kumar Sen, Bhargab Engineering Works took to manufacturing of tea machinery in the 70s and the company's reputation today has spread far and wide across continents.

The Tea Blending and Cleaning Machines made by us are already in use in different countries of the world. We are proud to have several multinational companies of repute as our customers. Our products of international standard have earned wide acclaim and we have been recognized as An ISO 9001:2008/14001:2004/18001:2007 Certified Company (Since 1954).

Innovative design, latest technology, rigid quality control—all these contribute to the total customer satisfaction ensured by a Bhargab installed plant. This small brochure is meant to present a brief account of the genesis of Bhargab Engineering Works and gradual diversification of its product range culminating in its advent as a major player in the field of tea processing the world over.

We do not, however, intend to stop at what we have been able to achieve so far. It will be our constant endeavour to keep pace with the times and develop further into an indispensable part of the tea industry wherever it may be.

Sanjib Kumar Sen
Partner

Aritra Ranjan Sen
Partner

About Ourselves



1954. A new industrial unit is born. Bhargab Engineering Works. Stewarded by Late Prantosh Kumar Sen, the company with a handful of workers started manufacturing Rotary and Semi-Rotary Hand Pumps which are widely and almost exclusively used today in the shipyards throughout India.

In the 60s the company began to develop high precision spares for different packing machines which are in great demand.

In the 70s came the big break. The company went into manufacturing of sophisticated Tea Blending and Cleaning Machines. These machines were readily accepted by the industry. Encouraged by the favourable response from the tea industry in India, the company increased its production capacity and there was a rapid expansion of our activities. Today we are the leaders in India and among the best in the world in this field.

Gradually we began to explore overseas markets. In the 80s we took a big leap forward and started exporting our Tea Blending and Packing Systems. Our Plants are in use today in several countries over there continents — Asia, Africa and Europe.

Our main unit is spread over more than 70,000 sq.ft. including plant floor space of approximately 45,000 sq.ft. in the heart of the industrial zone in Howrah, once known as Ruhr of Bengal. Our second unit in a sprawling 1,45,000 sq.ft. area with a covered area of another 45,000 sq.ft. is situated in a rapidly developing industrial zone in the outskirts of the town. In our two units together we have at present about 250 people in our employ. With the land remaining unutilised so far and other facilities at our command we hope to generate further employment and look forward to a brighter future.



1000Kg Capacity Tea Blending System

Our Tea Blending and Cleaning Machines which claim the pride of place in our product mix have gained wide acceptance among the tea processing community, particularly the branded tea processors, both in India and abroad. Bhargab's Tea Blending and Cleaning Systems can be suitably adapted to the customer's specification—the total plant space available as well as its dimensions which may vary from customer to customer.



A

View of Tea Blending System without De-stoner capacity 1000kg/charge



Front view of Tea Blending System with batch weighing

B

Features



The salient features of our Tea Blending and Cleaning Machines are as follows:

- Tailor-made design
- A centralized PLC controlled electrical panel
- Unique de-stoning system
- On-line weighing system
- Fully automated operation



A

A *Tea Tipping Station without Auto Tripping facility*

B *1000 kgs Capacity Tea Blending System*



B

2000Kg Capacity Tea Blending System

Our strict quality control measures cover the entire process of manufacturing —procurement of best raw materials, use of latest technology, scrutiny of every single detail while building a machine, unwavering quality checking at every stage of the manufacturing process and the final testing. Our expert handling of all these aspects have made our products unequalled and unmatched.



A

A View of Tea Blending System with de-stoner capacity 2000 kg/charge



B 2000 kg capacity Tea Blending System without destoner

B

Accessories



A

Batchwise Bulk Weighing System



A

B

Fibre extracting roller on Conveyer Belt



B

C

1000 kg Blending Drum with delivery elevator transferring Blended Tea on Mezzanine Floor



C

D

View on Mezzanine Floor with weighing scale fixed on Floor



D

3000Kg Capacity Tea Blending System

Our strict quality control measures cover the entire process of manufacturing —procurement of best raw materials, use of latest technology, scrutiny of every single detail while building a machine, unwavering quality checking at every stage of the manufacturing process and the final testing. Our expert handling of all these aspects have made our products unequalled and unmatched.



A

A View of Tea Blending System with de-stoner capacity 2000 kg/charge



B 3000 kg capacity Tea Blending System

B

Accessories



A

*Dual Tea Tripping
System in Blending
Plant*



A

B

*Included power conveyer
Tea Sack Feeding System*



B

4000Kg Capacity Tea Blending System

*4000 kg Capacity
Blending Drum
getting installed*



*New 4000 kg Batch
Blending Drum*

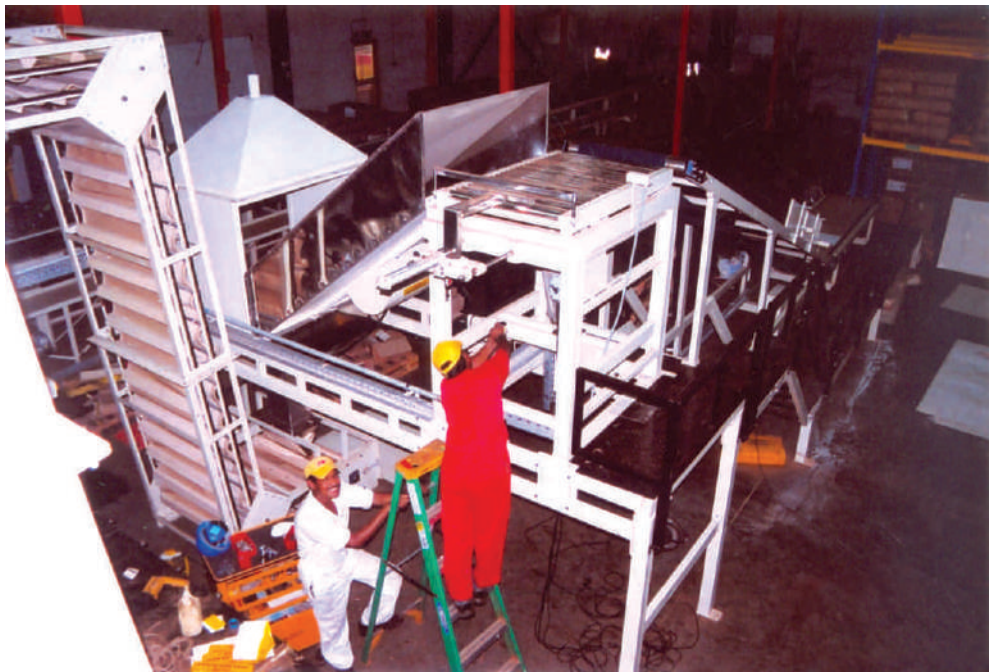


Accessories

Pneumatic sack titter



Paper sack slitting machine



Multiple System in Tea Factory



*Multiple System
in one Factory*



Conceptualisation



*Concept Designing for
Complete Tea
Cleaning and Packing*



Tea Cleaning System

DE STONER



*Single Deck
Vibratory Sifter*



Tea Cleaning System



Drum Magnet



*Double Deck
Vibratory Sifter*



Conceptualisation

*Steel Fabricated
Mezzanine Floor for
collecting Blended Tea
in Mobile Hopper.*



*Automatic Paper sac
feeding arrangement*



Accessories



*Mobile Hopper
loading station on
the Mezzanine Floor.*



*Pneumatic loose Tea
feeding arrangement.*



Blending Drums

*Full view of 2 ton tea
cleaning & blending
system from tea
tipping side*



*Front view of the machine
with online weighing scale
from the discharge side*



Blending Drums



*Dual Line 2 Ton
Tea Blending System*



*Full view of tea
blending machine
from different angle*



Accessories



Tea Bag Shredder Machine



Control Panel



Flavouring Drums



*Dual Tea flavouring
drum 500 kg capacity*



*Single 500 kg Flavouring Drum
with Storage Hopper
200 kg Flavouring Drum
also available*



Blending Drums



*2-Ton Blending Plant
General View*



*Customised manufacturing
option for low ceiling height
1 ton Capacity Blending Drum*



Flavouring Drums



*300 kg Capacity
Tea Flavouring
Drum*



*500 kg Capacity
Tea Flavouring
Drum*



More Photos



*Packing Blended Tea
into Mobile Silos
on mezzanine Floor*



More Photos



*Packing Blended Tea
into Mobile Silos
on mezzanine Floor*



More Photos

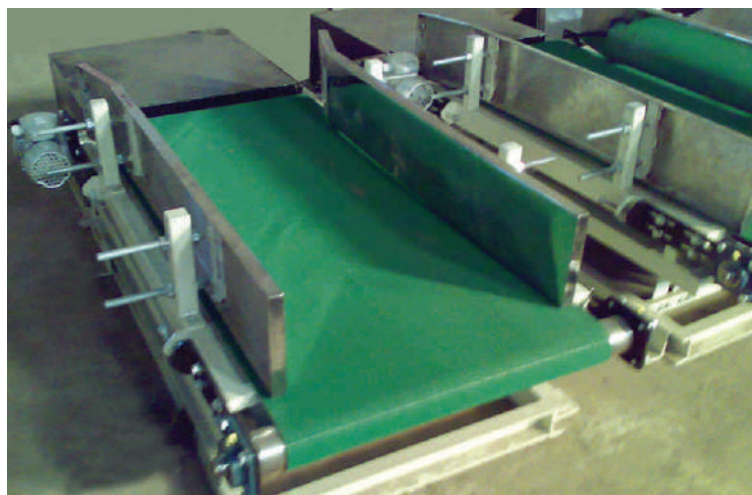
*1000 kg. capacity
Tea Blending System*



500 Kg Tea Flavouring Drum



*Vibro conveyor for
brick shaping*



Transportation



In order to make sure that the buyers receive the machines in good order and condition without any damage in transit, the machines are properly packed in sturdy wooden cases to ensure their seaworthiness. Shipment thus becomes safe and the customers have no complaint whatsoever in this regard.



A

A *Machinery packed in seaworthy cases ready for export /shipment.*

B *Blending Drum Box loaded on flat rack container for export*



B

Our Workshop Machine Section

*Highly sophisticated workshop
for carrying out precision
Engineering Jobs for
Power, Automobile,
Heavy Engineering Sectors.*

*125 Spindle Dia Horizontal
Boring Machine*



*CNC Machines for
precision jobs*



Our Workshop Machine Section



*160 Spindle Dia
Boring Maching
for heavy engineering*



16'x7'x7' Planing Machine



Our Workshop Machine Section

*CNC Oxy - fuel
cutting machine*



*Manufacturing
section for
Control Panel
at Bhargab*



Our Workshop Machine Section



Men at work on Panel



*15000 Sq. Ft.
Fabrication Floor
with E.O.T. Crane*



Our Workshop

CMC Machine



Structural Engineering



*Heavy Structural
Work including
Erection being carried out at
Indian Rare Earths Chatrapur,
Orissa*



*Floating pontoons
Manufactured by us for
Indian Rare Earths Ltd.
Orissa and Tata Mines*



Structural Engineering

*Heavy Structural Works
being carried out for
Kolkata elevated
corridor project*



Geographical Spread of Our Clientele



Bhargab's Tea Blending and Cleaning Machines have gained wide acceptance in the country as well as abroad. We are proud to have as our customers distinguished names in the tea industry like Unilever, Balmer Lawrie, Brooke Bond, Lipton, Tata Tea, etc.

The countries where our plants have been commissioned include:

- | | | | |
|--------------|--------------|----------------|--------------|
| ■ Azerbaijan | ■ Iran | ■ South Africa | ■ UK |
| ■ Bangladesh | ■ Kazakhstan | ■ Sri Lanka | ■ Uzbekistan |
| ■ China | ■ Kenya | ■ Sudan | ■ Vietnam |
| ■ Egypt | ■ Pakistan | ■ Syria | ■ Malaysia |
| ■ Ethiopia | ■ Poland | ■ Turkey | ■ Malawi |
| ■ Indonesia | ■ Russia | ■ UAE (Dubai) | ■ Morocco |

Our Mission

When Late Pranatosh Kumar Sen launched Bhargab Engineering Works, little did he imagine that ours would become almost a household name in the Tea Industry, but as it happened, he proved to be a true visionary with rare foresight and great business acumen. Following his footsteps it has always been and continues to be our endeavour to go on expanding our horizon.

While pursuing new ventures, the interests of our existing clientele will continue to hold top priority in our scheme of things. We will continue to render our best services to them.

We are trying to keep pace with the times. We are already in the process of globalisation.

We at Bhargab, however, refuse to sit on our laurels. There is a lot more to achieve and many more hearts to win. We would like to identify ourselves with the industrial resurgence of West Bengal. Through continuous upgradation of technology and product innovation we want to scale new heights and be counted.

Our motto, as always, will continue to be :
Excellence through experience.



MANUFACTURERS
ENGINEERS
EXPORTERS

BHARGAB ENGINEERING WORKS

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P-292, Benaras Road, Howrah-711 108, INDIA, Telephone: 2651 6609/8410/2066
Fax: 91-33-2651-2143, E-mail: bhargab@cal.vsnl.net.in, Website: www.bhargab.com

Specialist in: ● Tea Blending & Cleaning System ● Rotary & Semi Rotary Hand Pumps ● Boiler lighting up & Helicopter Fueling Hand Pumps ● Fire Fighting Hand Pumps ● Precision Job Works.



**EXCELLENCE
THROUGH
EXPERIENCE**