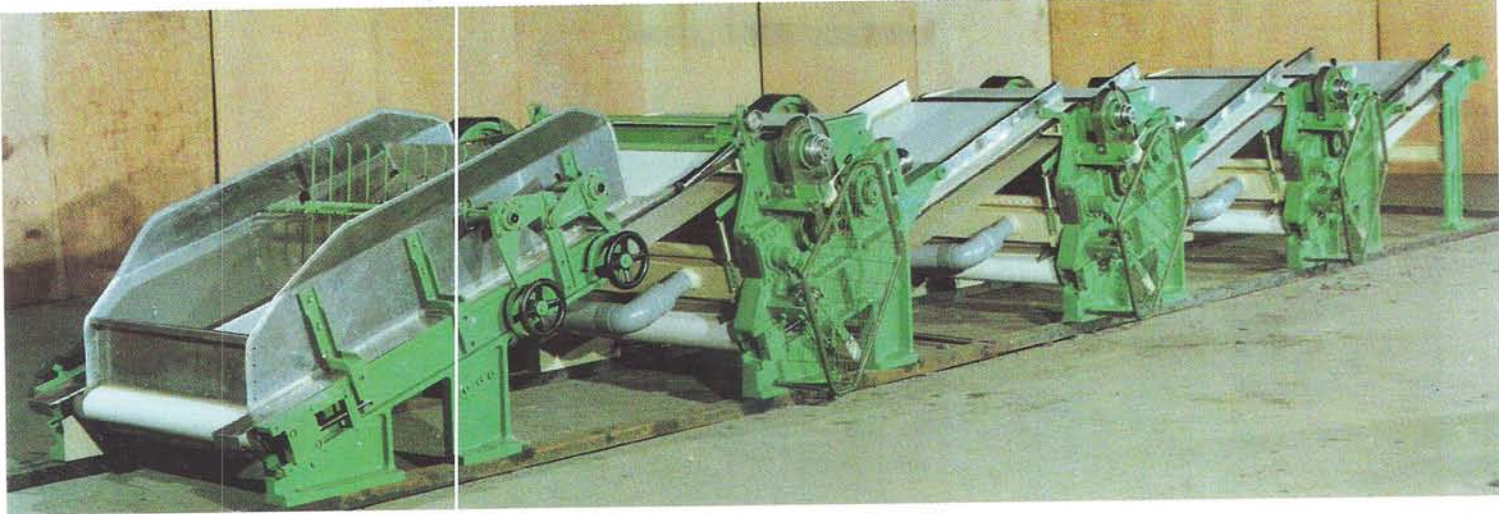




Kaizen CTC MACHINE
QUALITY FIRST, LAST AND FOREVER



Kaizen

Another trailblazing CTC machine from T & I.

Kaizen

“continuous improvement”, the secret behind Japan’s success story, the rapidly growing international concept, now a reality at T & I.

Conceptualised and designed with one underlying objective - quality, the **Kaizen** is a culmination of the highest standards of engineering, performance and most importantly the end product - TEA

Unique Cutting Unit Cover

Kaizen introduces a new attribute to the CTC machine — a moving cutting unit cover incorporating the counter weight system for positive tracking of the cover belt. Some tea normally accumulates inside the stationary cover provided over the rollers, and remains there until dislodged by physical hammering of the cover.

Kaizen incorporates a non-stick self-cleaning belt which moves gradually over the rollers acting as a cutting unit cover and a continuous cleaning device.

- Eliminates lump formation in cutting unit cover.
- Avoid over fermentation of accumulated test.
- Uniform cutting since erratic load due to lump discharge is omitted.

- Avoids damage to cutting unit cover due to hammering to dislodge accumulated mal.

- No ball formation.
- More efficient scraping.

Better, Longlife Conveyor Belts

Rubber belts are difficult to scrape and keep clean. Jointing is messy. Belt life is short.

The **Kaizen** comes with special hygienic imported PVC belts

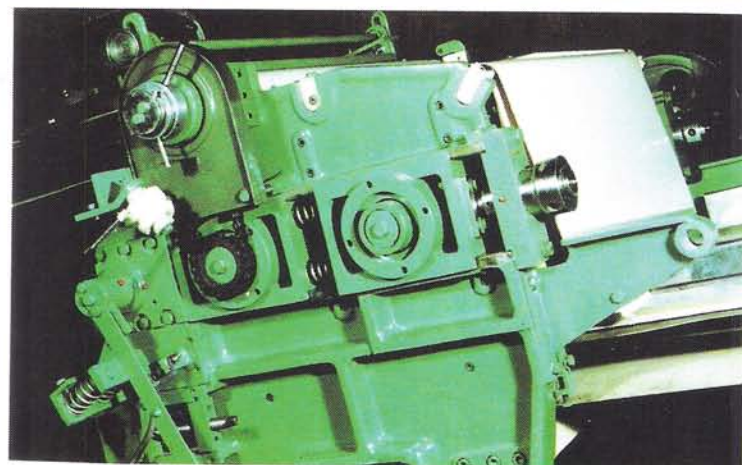
- Perfect surface — easy to scrape and clean.
- No cracking and opening.

- Lasts more than three times the rubber belts.
- Maintenance downtime drastically reduced.
- No roll back, no ball formation — even fermenting and firing.

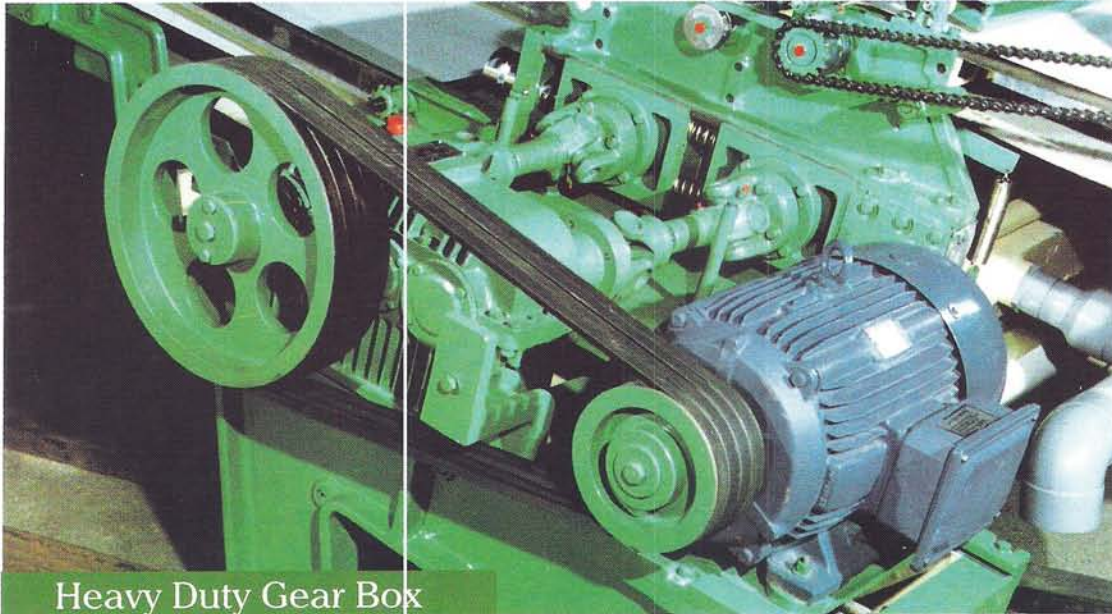
Operational Hygiene

Kaizen ensures bacteria free operating conditions through

- PVC conveyor belts.
- Frameless conveyors.
- Minimum spillage.



Unique cutting unit cover



Heavy Duty Gear Box

Superior Gear Box

- Induction hardened shafts and gears, heavier bearings provided for long trouble-free operation.

Gears boxes come with a 5 year iron clad warranty

Cooling Arrangement

Cold air introduced from behind the rollers prevents leaf temperature from rising, thereby increasing the quality of liquor.

Apart from our patented Auto Dejam and Auto-trip mechanisms, bolt-free housings, and micro-mesh systems, the **Kaizen** incorporates the following additional engineering features:

Bearing Sleeves

Hardened and ground bearing sleeves are provided on the mandrel bearing journals to ensure minimum damage to bearings. The sleeves can be easily replaced while the bearings remain intact.

Chain and Sprocket Drive for Conveyors

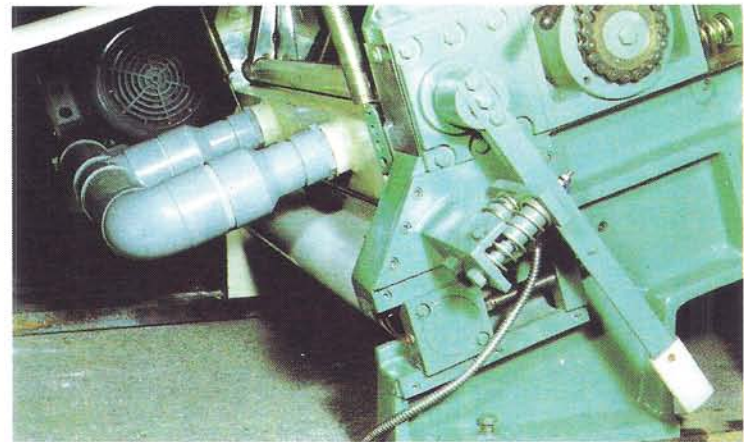
- Reduced maintenance costs.
- Positive drive - no belt slippage problems.

Almost Zero Spillage

- Reduced slope of conveyors, no ball formation & roll back.
- Inclined side-plates and guards for effective spill proofing.
- Full length skid plates to prevent leaf entry inside conveyor belts.

Fast Roller Removal

- Unique roller withdrawal mechanism makes removal of roller convenient and quick.
- Design eliminates top arm removal during roller change.



Cooling and auto trip mechanism

Heavy Duty Construction

- More rigidity and vibration free operation.
- Enables interchangeability of fittings.

Machine Height Reduced

- Provides better access for maintenance.
- Easier roller setting and mesh adjustment.



Quick roller changing mechanism

First user's observation

Installed in Nov'94... In the course of using this machine we have observed : It facilitates ease of operation. ... The rotating endless belt cover (another first feature) keeps the machine clean, no mal stays attached for more than two minutes. Hence no over fermented mal sticking to aluminium covers and no 'dundas' to beat the cover with ... The clutch can be engaged or disengaged with one finger. When in operation Kaizen is a very silent machine. ... Cutting of preconditioned withered leaf is very good ... The spillage in one shift is below one kg. so alongwith the 'dundas' it is good bye to brooms too. .. Heavy duty air cooling arrangement has been fitted below the slow speed roller to cool the mal when required. The stainless steel sideguards and belt guide require no maintenance. On the 36" machine the output can be manipulated to suit needs from 1000 to 1400 kgs. withered leaf (per hour), depending on the market and seasonal requirement. Minimum maintenance, silent, clean, easy to operate and avid capacity to ingest large quantities of withered leaf are a few of its favourite attributes."

S.S.Sindhu

PARRY AGRO INDUSTRIES LTD.
DEKIAJULI ESTATE, ASSAM

Kaizen

Technical Specifications

ALL DIMENSIONS ARE IN MM

Machine	Model Size	K760 30"	K910 36"	K1060 42"	
Conveyor Belts	Width	860	1000	1150	
2.5 mm Thick PVC	Length	5000 Endless including discharge			
Roller Cover belt	Width	860	1000	1150	
2.5 mm Thick PVC	Length	1715	1715	1715	
Main Drive 'V' Belts	C-100 x 4	C-100 x 4	C-100 x 4		
Gear Box	1 : 10 Ratio	Double output Shaft			
Coupling		Heavy Duty Propellor Shafts			
Power KW/HP*	1st Cut	18.8/25	18.8/25	22.6/30	
*For Assam Conditions	Subsequent Cuts	15/20	15/20	18.8/25	
Rated Output*	KG/WL Per Hour	1000/1250	1200/1500	1400/1750	
Overall	Height	1000	1000	1000	
	Width	2280	2430	2580	
	Length	Singlet 4445	Duplex 6350	Triplex 8615	Quadruplex 10700
				Quintuplex 12785	
Sharpening* Specifications	Chasing Groove		6,8,10 TPI	or as specified	
	Helical Groove		60,80,96/100	by user	
Segments	OD - 330		ID - 270		

* These are only recommendations subject to variation depending upon leaf quality and type of cuts. Due to a continuous process of development the design is subject to change without notice.

Corporate Office

19, R. N. Mukherjee Road,
Kolkata 700 001, West Bengal, INDIA
Phone : 91 33 2248 2223. Fax : 91 33 2210 0788
email : sales@teci.biz

Siliguri Office

"Kaizen House" V/19/B STAC Road,
Mallaguri, Siliguri 734 403 (West Bengal)
Phone : 91 353 251 4805 Fax : 91 353 251 2190.
Email : siliguri@teci.biz

T & I Limited

Tinsukia Office

Makum Road, Udyog Nagar,
Tinsukia 786 146, Assam
Phone : (91 374) 233 9773/2036
Fax : (91 374) 233 0086
email : tinsukia@teci.biz

Tezpur Office

Tezpur 784 001, Assam
Phone : 91 3712 25 5004/5 Fax : 91 3712 25 5007
email : tezpur@teci.biz