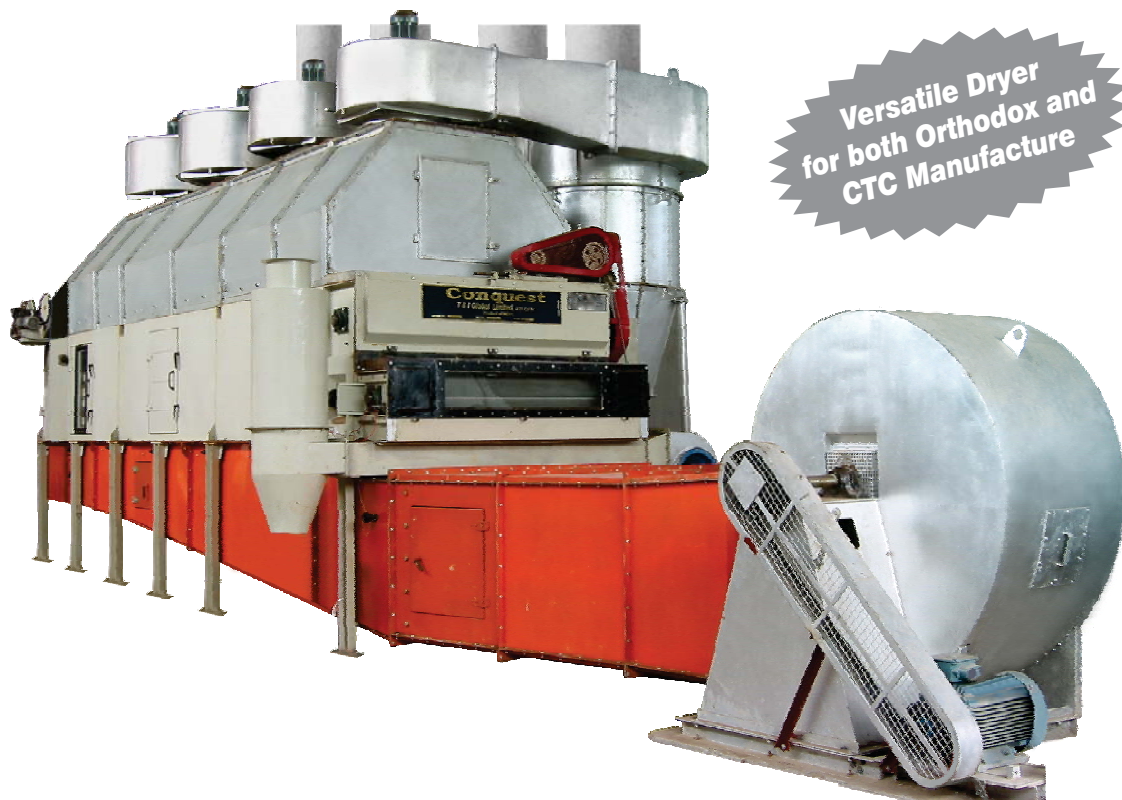


TIGL - At the heart of the Tea industry worldwide



T & I Global Ltd.



**More than 100 Conquest in operation for
Orthodox Tea Manufacturing in Sri Lanka, India,
Indonesia and other tea growing countries**

Conquest

The Latest in Combination Drying Principle

**TIGL's Conquest : Specially Designed
for Quality Orthodox and CTC Teas**

Conquest dryers have been specially designed for quality tea outputs at medium to moderately high hot air temperatures, making optimum use of both power and fuel. The material to be dried travels on perforated tray circuits before entering the fluidization zone.



Conquest

The Latest Automatic Combination Dryer

Salient Features

- / Tea is first pre dried before being fluidized. This ensures optimum utilization of energy.
- / The hot air fan uses aero foil design blades which reduce power consumption.
- / Combination drying ensures gradual moisture removal. This eliminates case hardening and improves liquor quality.
- / Fully steel fabricated insulated plenum chamber minimizes radiation losses. The plenum chamber's aerodynamic profile ensures even distribution of air over the distributor plates.
- / Can handle particles ranging from 1 mm to 25 mm. Orthodox big bulk and CTC dust can therefore be dried with equal ease.
- / Energy efficient and perfectly air balanced dust extraction system for optimum cleaning efficiency.
- / Inbuilt full width Feed conveyor regulates feed of fermented tea into the drying chamber.
- / The trays carrying fermented tea are fitted on specially designed high load carrying capacity steel chain. Eliminates possibility of disruption in manufacture due to snapping of tray carrying chain.
- / A centralized operating console enables an operator to control the dryer from one place.
- / A pneumatic discharge arrangement cools dryer mouth tea and facilitates conveyerisation.
- / Automatic control system prevents possibility of inadequate drying/over drying (optional).
- / The dryer is compatible with solid, liquid or gaseous fuel fired hot air generators, (direct & indirect).



Efficient Cyclone System



Operating Console

Technical Specifications

	UNIT	4 M	6 M	8 M	10 M	12 M
Drying Chamber	Sq.ft.	96 (16x6)	144(24x6)	192(32x6)	240(40x6)	288(48x6)
Water Evaporation Capacity	kg/hr	570	850	1125	1410	1690
Inlet Temperature	Deg. C	100-120	100-120	100-120	100-120	100-120
Made Tea/Hour**	Varying - depends upon type of manufacture (Orthodox / CTC)					
Power Requirement						
Drying System*	HP	25	35	45	59	70
Dust Collection System	HP	15	25	40	40	50
Overall Dimension						
Length	m	11.73	14.15	18.00	18.00	20.60
Width	m	4.74	4.74	5.20	5.20	5.20
Height	m	4.45	4.83	5.00	5.00	5.00

** Depends upon drier inlet temperature, altitude, drying temperature and manufacturing method of the factory

* 5 HP more needed when operating indirect heater to meet extra pressure drop in the hot air generator

Due to a continuous process of development the design and specifications are subject to change without notice

Ask for our other best selling Dryers :

Everest - Vibro Fluid Bed Dryer, Tempest - Combination Dryer & Questea - Band Dryer!
Hot Air Generator for all types of dryer are available - Blaze

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