





### **The Pinnacle of Drying**

# verest

The Latest in Vibro Fluid Bed Drying

## TIGL's Everest : Especially Designed for Agro Products

Backed by advanced R&D, T&I Global Limited (TIGL) introduces the ultimate in vibratory fluid bed technology - the Everest drier. The heart of the Everest transport system is the revolutionary and logical drive mechanism, which ensures that the particles moves in a first-in first-out series. Everest is the latest TIGL drier, designed to produce Quality end products.

Applications - Sesame seed, Starch, Tea, Salt, Saw dust, Seaweed Guar Gum, Coir pith and other powder nature products.





### Everest The Pinnacle of Quality Drying

#### **Salient Features & Advantages**

Unique Vibro-Drive Mechanism - Ensures accurate adjustment of product drying time

Vibratory Bed - Pneumatic system provides uniform spring action across the bed

Plenum Chamber - The plenum chamber is aerodynamically designed, insulated and fabricated with steel

Distributor Plates - Unique distribution plates ensure better fluidisation and less fall through

Hot Air Fan - Aerofoil design ensures higher energy efficiency

Dust Collection System - Includes Multi-clone re-firing arrangement designed for eliminating side spillages and for greater hygiene, cleanliness & energy efficiency

**Centralised Operating Console** 

Efficient Inbuilt Ball Breaker & Full-width Feed Conveyor

Stainless Steel Contact Parts - Ensures better hygiene & durability

Discharge Cooler - For cooling dryer mouth product (optional)

Automatic Hood Pressure Control System - For uniform fluidization (optional)

Low fuel and power consumption and negligible maintenance costs

Wide Range - Everest is available in 3 models with different, capacities & sizes

Customised Models: Everest can be adapted to meet specific needs.

#### **Technical Specifications**

|  | Unit           | 184 SFBD      | 244 SFBD    | 305 SFBD     |
|--|----------------|---------------|-------------|--------------|
| Drying Chamber                               | m <sup>2</sup> | 6.5 (5.4x1.2) | 9 (7.5x1.2) | 13.5 (9x1.5) |
| Water Evaporation Capacity                   | kg/hr          | 400           | 600         | 1050         |
| Inlet Temperature Degree Centigrade 1st Zone |                | 130°C ·       | 160°C       |              |
| Power Requirement                            |                |               |             |              |
| Drying System                                | HP*            | 20 HP         | 27 HP       | 34.5 HP      |
| Dust Collection System                       | HP             | 13 HP         | 20 HP       | 25 HP        |
| Overall Dimension                            |                |               |             |              |
| Length                                       | m              | 10.3          | 12.5        | 14           |
| Width  | m ·            | 3.4           | 3.4         | 3.8          |
| Height                                       | m              | 5             | 5           | 5            |

<sup>\*\*</sup> Depends upon drier inlet temperature, altitude, drying temperature and manufacturing method of the factory

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

### Ask for our other best selling Dryers:

Conquest & Tempest - Combination Dryers, Questy & Drynova - Band Dryers Blaze - Hot Air Generator for all types of dryers

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<sup>\* 5</sup> HP more needed when operating indirect heater to meet extra pressure drop in the hot air generator