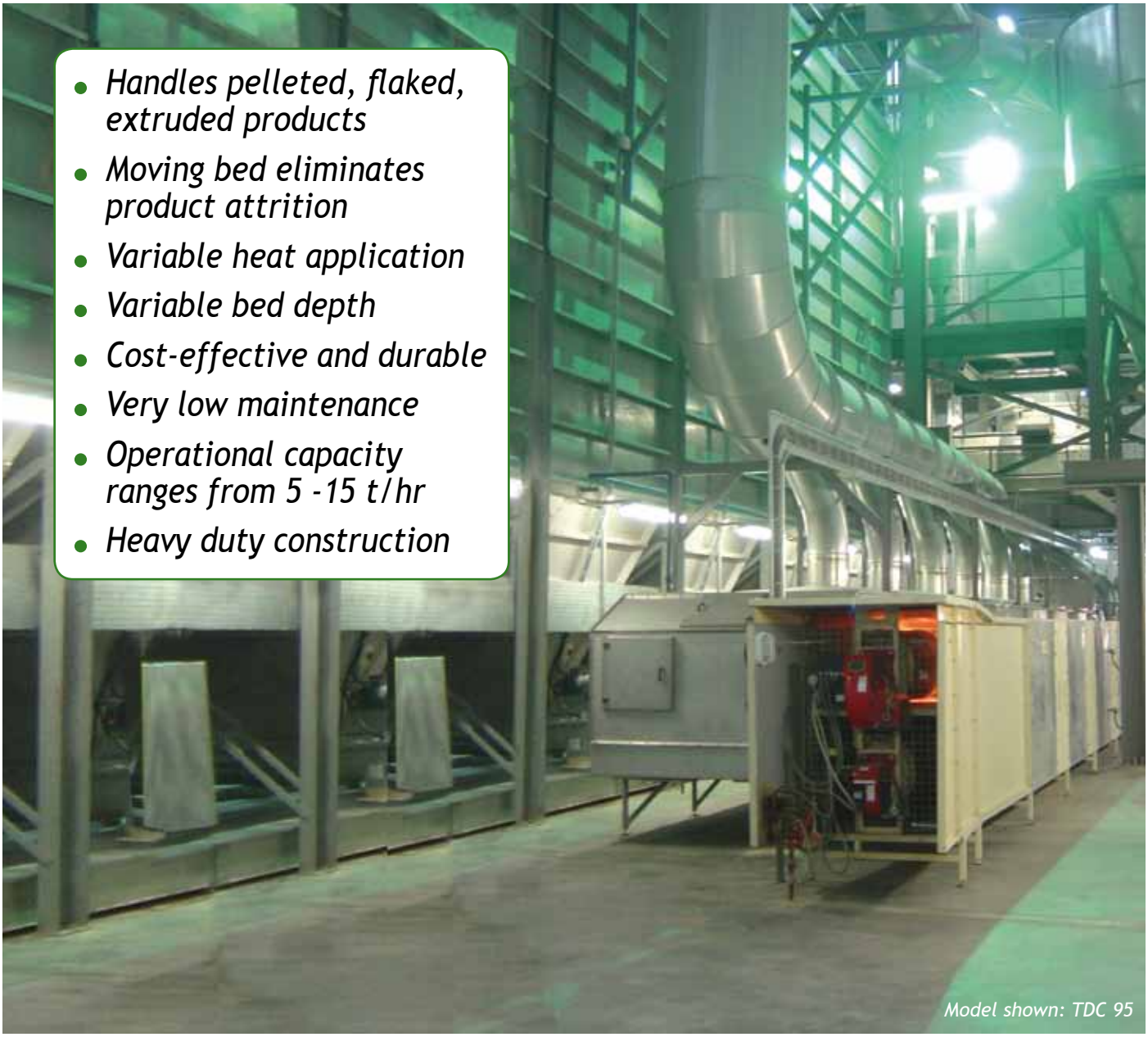
ALVAN BLANCH
Processing the World's Crops

MOVING BED CONVEYOR DRIER



- *Handles pelleted, flaked, extruded products*
- *Moving bed eliminates product attrition*
- *Variable heat application*
- *Variable bed depth*
- *Cost-effective and durable*
- *Very low maintenance*
- *Operational capacity ranges from 5 -15 t/hr*
- *Heavy duty construction*

Model shown: TDC 95

APPLICATION:

The Alvan Blanch Drier/Cooler is the culmination of well tested design and manufacture of the highest possible standards. A versatile machine that can be adapted to cater for a wide range of drying requirements.

CONSTRUCTION:

The TDC consists of three main prefabricated units. These units comprise a drive end section, intermediate sections the number of which determines the size and capacity of the machine) and a tail end section.

Units are available in full stainless steel or mild steel (protectively coated inside and out improving lifespan and appearance). The drier trays are made

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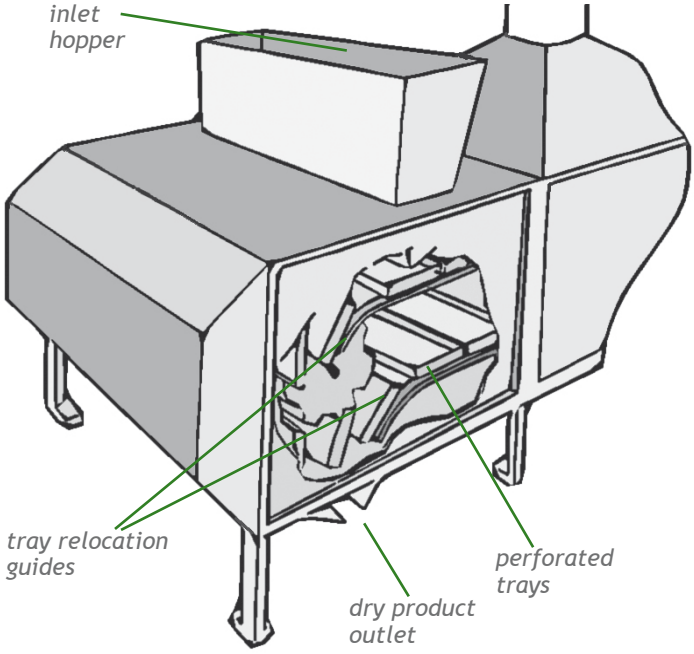



TDC-95 Installed in U.A.E

from 2mm thick perforated stainless steel or mild steel and are supported by white Nylon rollers. Each section, including the intermediate sections, includes a hinged inspection/access door to enable a sample of the product to be removed for testing. The drive and tail sections include additional doors for easy maintenance and assembly.

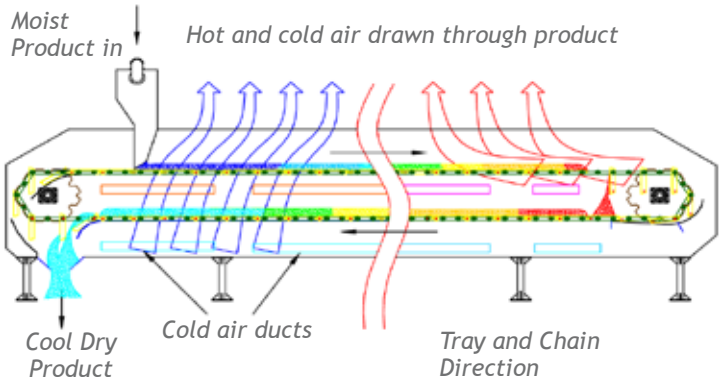
OPERATION:

The main principle behind the operation of the drier/cooler is a conveying band formed from a number of perforated steel or stainless trays pivoted between two chains.

This conveying band eliminates attrition of the product by moving parts and is chain driven from an inverter speed controller. These flat trays carry measured amounts of product, at a uniform depth from the spreader in the drive section to the tail section where guides allow the trays to pivot and transfer the product from the top to bottom deck. On the bottom deck the guides relocate the trays back into a horizontal position prior to collecting the falling product from the top deck.

The drier is heated by high performance, high efficiency pressure jet burners (diesel or gas fired), although other heating options are available such as steam, hot water, waste heat, biomass etc. Aspiration of the drier bed is achieved via the use of individually adjustable aspiration hoods which are connected via a duct and cyclone system to a high performance fan unit.

The Alvan Blanch TDC range of drier/coolers can be tailored to meet a wide range demands/requirements and are infinitely variable with speed, capacity, bed depth and heat application easily controlled, altered and monitored.



SPECIFICATIONS				
Model	Capacity Drier/cooler	Dimensions (m)		
		L	W	H
TDC – 40	4 ton/hr	6.10	2.02	1.97
TDC – 75	7 ton/hr	10.30	2.02	1.97
TDC – 95	10 ton/hr	14.50	2.02	1.97
TDC – 102	12 ton/hr	16.60	2.02	1.97

NOTES

1) Capacity will vary depending on product.

2) Capacity will be increased significantly if just used for cooling.

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