

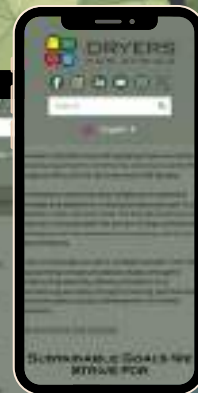
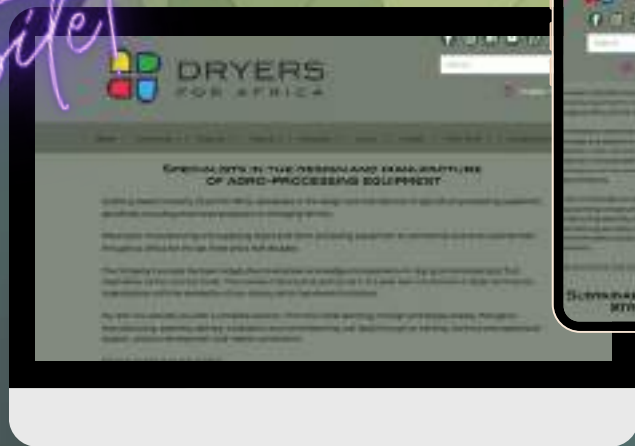


DRYERS FOR AFRICA

SPECIALISTS IN THE DESIGN
AND MANUFACTURE OF
AGRICULTURAL PROCESSING
EQUIPMENT

2024/2025
CATALOGUE

*Visit Our
New
Website*



ABOUT THE COMPANY

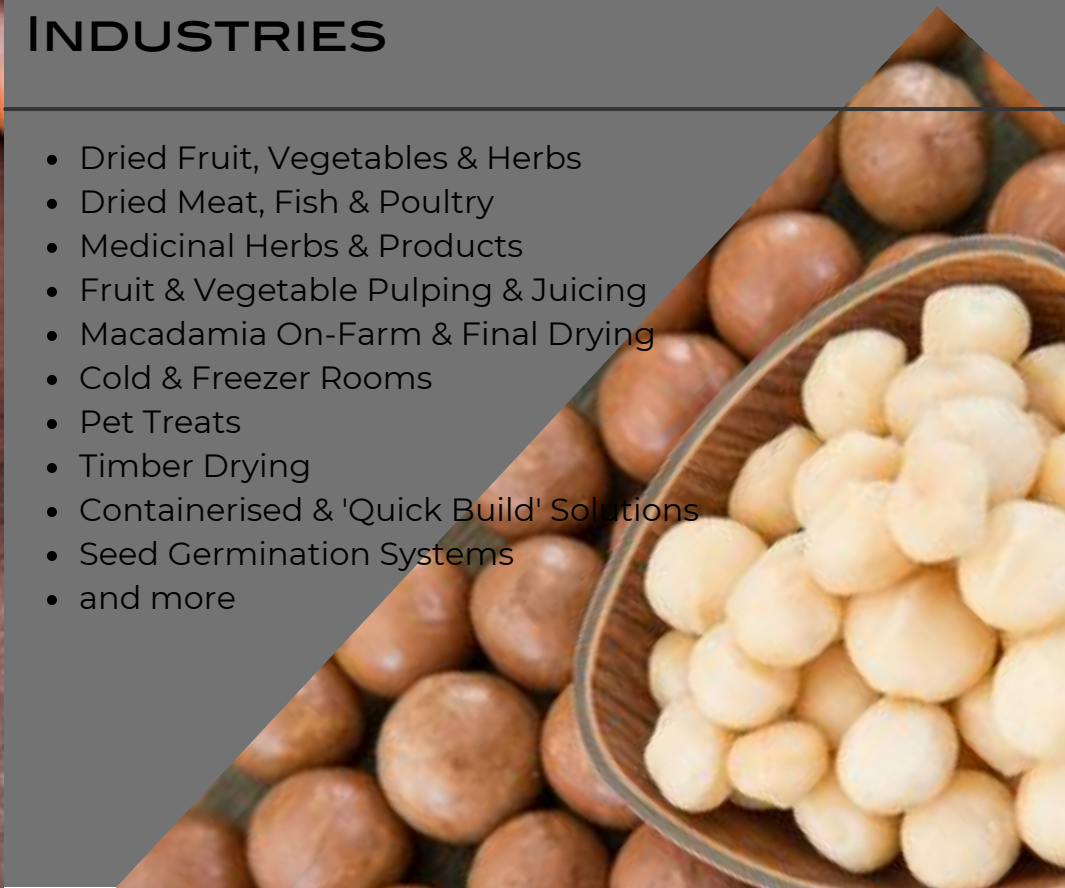
Gauteng based company, Dryers for Africa, specialises in the design and manufacture of agricultural processing equipment.

Dryers for Africa has for the last 3 decades been designing and building dryers and processing equipment for commercial and small-scale emerging farmers.

Our success has been largely due to extensive knowledge and experience in drying and processing of fruit, vegetables, herbs, nuts and meat. The process of drying and juicing has in the past been the domain of large commercial organisations with the exception of sun-drying, which has a number of limitations.

INDUSTRIES

- Dried Fruit, Vegetables & Herbs
- Dried Meat, Fish & Poultry
- Medicinal Herbs & Products
- Fruit & Vegetable Pulping & Juicing
- Macadamia On-Farm & Final Drying
- Cold & Freezer Rooms
- Pet Treats
- Timber Drying
- Containerised & 'Quick Build' Solutions
- Seed Germination Systems
- and more



FOCUS ON AFRICA

Africa has an abundance of fruits and vegetables- some indigenous, and are largely wasted due to lack of skills and technology.

Dryers for Africa has focused it's products on this market, specifically through understanding the limitations of available skills, environmental issues, and energy sources.

We have options of high and low technology systems that minimises the need for highly skilled engineers and or electricians, whom are costly if available in some areas. Heating sources can be electricity, solar, gas, coal, biomass or wind and are selected based on local availability and cost.

SUITABLE FOR;

- Previously Disadvantaged
- Disabled
- Unskilled
- Aged
- Struggling Communities
- Small-Scale Farmers
- Creating Employment
- Reducing Food Waste
- Empowering Communities
- Creating Value Added Goods
- Generating Additional Income
- Expanding Markets
- Support of Local and International Support Structures
- Shared User Facilities
- and many more

ADVANTAGES OF PROCESSING

- Farm produce that is normally excessive for local use would normally go to waste or sold as fresh produce for little return.
- Processing by drying and/or juicing has value added to it with an extended shelf life and reduced transport costs.
- Enhancing food security.
- Reducing poverty.
- Reducing environmental impact.
- Income generation.
- Reducing hunger and malnutrition.
- Reducing post-harvest food waste.
- Increases individual skills and training development.
- Strengthening community.
- Empowering small-scale farmers.
- Encourages self-sustainability and best practice farming.
- Creating community partnerships.
- Promoting local action.
- Creation and development of new products and markets.

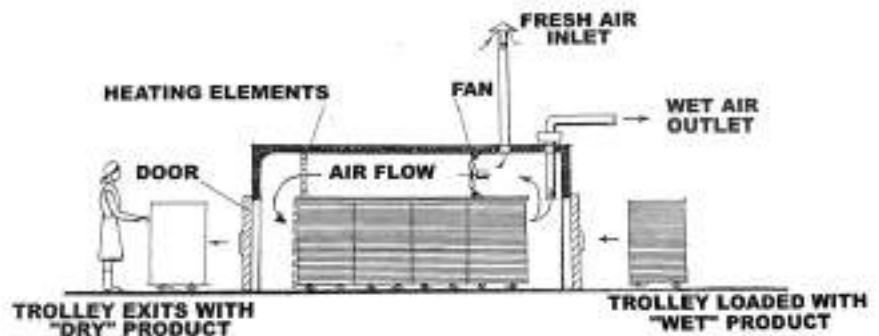
CONVERSIONS AVAILABLE:

- Solar (Direct & Indirect)
- Electric
- Hot Water
- Coal
- Steam
- Gas
- Biomass
- Wind
- Combination
- Assisted Power Generation



EASE OF MAINTENANCE & INSTALLATION

Our equipment is self-supporting, easily transportable, affordable, and highly thermal efficient. The use of appropriate components offer ease of installation, relocatability*, thermal efficiency and hygienics. Extremely simple to operate, requires no skilled input and is aesthetically appealing. Equipment is multi-purpose and can be used for virtually any type of product.



SAFETY & ERGONOMICS

The equipment design is inherently safe for the skilled or unskilled user, and requires minimum maintenance. Ergonomically, it offers a clean and hygienic workplace. All contact parts with any product are of food-grade materials.

PULPING & JUICING

We offer customised processing units from 25lts an hour to 2000lts an hour. Equipment occupies very little space, requires minimal electrical supply and is easily transportable. There is no compromise on food quality and safety standards.

CUSTOMER PORTAL & RESOURCES

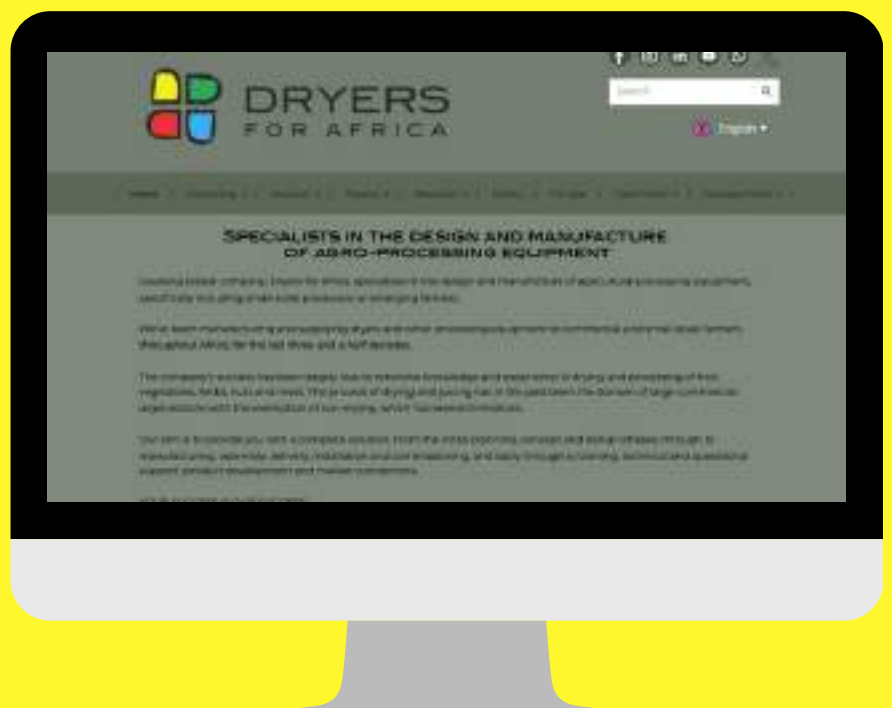
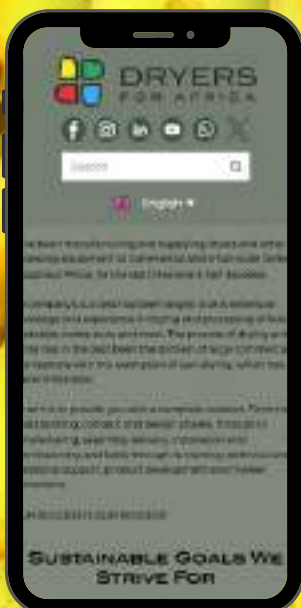
As we value and appreciate every one of our clients and keeping in line with our company mission, we have created a dedicated hub for subscribed clients.

The portal will help clients find information, log and request services, resolve issues, access articles, videos, training information and more.

The benefits of this hub are;

- increasing customer satisfaction
- improving communication
- reducing the margin of error
- improve on our productivity
- offering proactive support to our clients
- generate a feedback loop
- improving education and training platforms
- access system updates and logs
- up to date feedback on builds and installations
- customer resource management and tracking

Username and Passwords will be generated on orders successfully placed.



DRYING SCHEMATIC

Drying Schematic

preserved or preservative free

1 Fruit Prepping

Wash produce in clean water, removing surface or damaged fruit. The resulting produce is to be washed to remove dirt and/or pesticides. Depending on the intended end product, fruit is peeled and sliced. Preparation follows if required.



2 Load Tray

Prepared fruit is loaded on to trays. Trays are packed to fit closely but not touching or overlapping. Trays loaded from the outside in top to bottom for the correct orientation.



3 Run Dryer

Having set your dryer temperature and running time according to your needs, start the dryer. Remove to right hand to 30 seconds before setting the rest.



4 Load Dryer

Full trays are pushed into the mouth of the dryer using the guide rails.



5 Remove

Once your drying cycle has been completed and the dryer has been switched off, all you have to do is remove your trays. We suggest that you will store the dried product in closed containers to allow breathing. Dried product is otherwise in better storage when required for further processing.



6 Pack

Dried product can be packed and stored in bulk. The suggested retail would be storage with temperature between 5 degC and 15 degC. This storage will enable you to shelf life. Please refer to product data sheet for more information on shelf life.



JUICING SCHEMATIC



AD50 AGRI-DRYER

kW: 4kW
Remote Access Connection Avail.: No
Length (mm): 1900
Height (mm): 1500
Width (mm): 1000
Control Panel (mm): 400
Plug Connection Included: Yes

Structure: Insulated structure, doors and ceiling:
Polystyrene insulation sandwiched between white
CHROMADEK® (0.6mm) faceplate both sides, one
entrance

Airflow: Galvanised cased axial fan with high-
speed Class H single phase (220v) motor and
aluminium impeller and blades

Heating: 1 x 3kW Electric elements mounted to a
treated mild steel bank

Trays: 10
Tray Area (m²): 5,4
Installation Required: No
Assembly Required: Pre-assembled
Weight: 170kgs
Manual: Included
Training Material: Included
No. Fans: 1
No. Elements: 1
Portable / On Wheels: Yes

Electrical panel: Equipped with isolator, circuit
breakers, fan contactor and overload, heater
contactor, overheat safety thermostat,
over/under voltage monitor, temperature
controller and sensor, digital timer

Conversions Available:
Electric, Solar, Generator



AD100 AGRI-DRYER

kW: 4kW
Remote Access Connection Avail.: Yes
Length (mm): 1900
Height (mm): 1500
Width (mm): 1200
Control Panel (mm): 400
Plug Connection Included: Yes

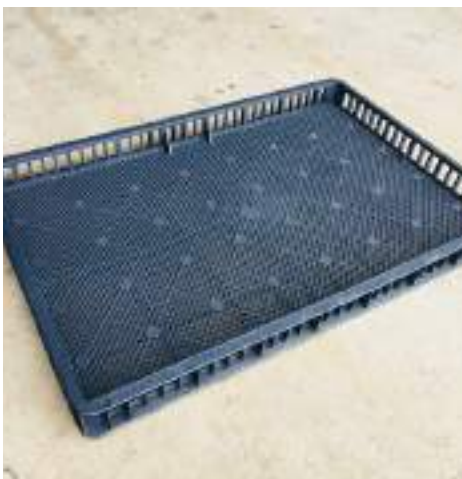
Structure: Insulated structure, doors and ceiling:
Polystyrene insulation sandwiched between white
CHROMADEK® (0.6mm) faceplate both sides, one
entrance

Airflow: Galvanised cased axial fans with high-
speed Class H single phase (220v) motors and
aluminium impeller and blades

Heating: 1 x 3kW Electric elements mounted to a
treated mild steel bank

Trays: 20
Tray Area (m²): 10,8
Installation Required: No
Assembly Required: Pre-assembled
Weight: 280kgs
Manual: Included
Training Material: Included
No. Fans: 1
No. Elements: 1
Portable / On Wheels: Yes
Electrical panel: Equipped with isolator, circuit
breakers, fan contactor and overload, heater
contactor, overheat safety thermostat,
over/under voltage monitor, PLC with pre-loaded
software, temperature and humidity sensor,
digital timer, UPS, inlet and exhaust damper

Conversions Available:
Electric, Solar, Generator



AD200 AGRI-DRYER

kW: 18kW
Remote Access Connection Avail.: Yes
Length (mm): 2900
Height (mm): 2500
Width (mm): 1200
Control Panel (mm): 400
Plug Connection Included: Yes

Structure: Insulated structure, doors and ceiling:
 Polystyrene insulation sandwiched between white
 CHROMADEK® (0.6mm) faceplate both sides, one
 entrance

Airflow: Galvanised cased axial fans with high-
 speed Class H 3 phase (380v) motors and
 aluminium impeller and blades

Heating: 6 x 3kW Electric elements mounted to a
 treated mild steel bank

Trays: 40
Tray Area (m²): 21,6
Installation Required: Optional Extra
Assembly Required: Pre-assembled
Weight: 450kgs
Manual: Included
Training Material: Included
No. Fans: 2
No. Elements: 6
Portable / On Wheels: Optional Extra
Electrical panel: Equipped with isolator, circuit
 breakers, fan contactor and overload, heater
 contactor, overheat safety thermostat,
 over/under voltage monitor, emergency stop,
 PLC with pre-loaded software, temperature and
 humidity sensor, digital timer, UPS, inlet and
 exhaust damper
Conversions Available:
 Electric, Solar, Generator, Gas, Hot Water



AD750 AGRI-DRYER

kW: 54kW
Remote Access Connection Avail.: Yes
Length (mm): 3900
Height (mm): 2000
Width (mm): 2100
Control Panel (mm): 400
Plug Connection Included: No

Structure: Insulated structure, doors and ceiling:
Polystyrene insulation sandwiched between white
CHROMADEK® (0.6mm) faceplate both sides, one
entrance

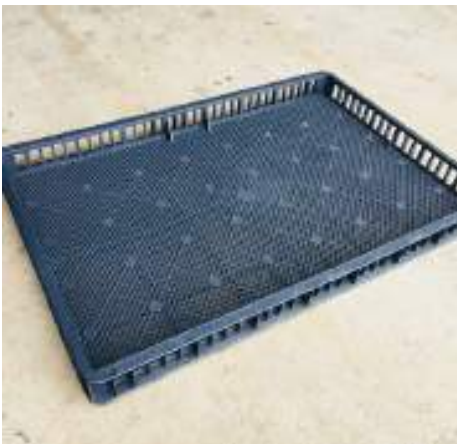
Airflow: Galvanised cased axial fans with high-
speed Class H 3 phase (380v) motors and
aluminium impeller and blades

Heating: 18 x 3kW Electric elements mounted to a
treated mild steel bank

Trays: 136
Tray Area (m²): 73,4
Installation Required: Yes
Assembly Required: Pre-assembled
Weight: 950kgs
Manual: Included
Training Material: Included
No. Fans: 3
No. Elements: 18
Portable / On Wheels:
Portable for transport, Fixed once installed

Electrical panel: Equipped with isolator, circuit
breakers, fan contactor and overload, heater
contactor, overheat safety thermostat, over/under
voltage monitor, emergency stop, PLC with pre-
loaded software, temperature and humidity sensor,
digital timer, UPS, inlet and exhaust damper

Conversions Available:
Electric, Solar, Gas, Hot Water



AD1500 AGRI-DRYER

kW: 72kW
Remote Access Connection Avail.: Yes
Length (mm): 5000
Height (mm): 2600
Width (mm): 2000
Control Panel (mm): 400
Plug Connection Included: No

Structure: Insulated structure, doors and ceiling:
Polystyrene insulation sandwiched between white
CHROMADEK® (0.6mm) faceplate both sides, one
entrance and one exit

Airflow: Galvanised cased axial fans with high-
speed Class H 3 phase (380v) motors and
aluminium impeller and blades

Heating: 24 x 3kW Electric elements mounted to a
treated mild steel bank

Trays: 240
Tray Area (m²): 129,6
Installation Required: Yes
Assembly Required: Assembled On Site
Weight: 2850kgs
Manual: Included
Training Material: Included
No. Fans: 3
No. Elements: 24
Portable / On Wheels: No

Electrical panel: Equipped with isolator, circuit
breakers, fan contactor and overload, heater
contactor, overheat safety thermostat,
over/under voltage monitor, emergency stop,
PLC with pre-loaded software, temperature and
humidity sensor, digital timer, UPS, inlet and
exhaust damper

Conversions Available:
Electric, Solar, Gas, Hot Water, Turbine



AD2500 AGRI-DRYER

kW: 96kW
Remote Access Connection Avail.: Yes
Length (mm): 6000
Height (mm): 2800
Width (mm): 3000
Control Panel (mm): 400
Plug Connection Included: No

Structure: Insulated structure, doors and ceiling:
 Polystyrene insulation sandwiched between white
 CHROMADEK® (0.6mm) faceplate both sides, one
 entrance

Airflow: Galvanised cased axial fans with high-
 speed Class H 3 phase (380v) motors and
 aluminium impeller and blades

Heating: 32 x 3kW Electric elements mounted to a
 treated mild steel bank

Trays: 500
Tray Area (m²): 270
Installation Required: Yes
Assembly Required: Assembled On Site
Weight: 3750kgs
Manual: Included
Training Material: Included
No. Fans: 3
No. Elements: 32
Portable / On Wheels: No

Electrical panel: Equipped with isolator, circuit
 breakers, fan contactor and overload, heater
 contactor, overheat safety thermostat,
 over/under voltage monitor, emergency stop,
 PLC with pre-loaded software, temperature and
 humidity sensor, digital timer, UPS, inlet and
 exhaust damper

Conversions Available:
 Electric, Solar, Gas, Hot Water, Turbine



AD4500 AGRI-DRYER

kW: 144kW
Remote Access Connection Avail.: Yes
Length (mm): TBA
Height (mm): TBA
Width (mm): TBA
Control Panel (mm): 400
Plug Connection Included: No

Structure: Insulated structure, doors and ceiling:
Polystyrene insulation sandwiched between white
CHROMADEK® (0.6mm) faceplate both sides, one
entrance

Airflow: Galvanised cased axial fans with high-
speed Class H 3 phase (380v) motors and
aluminium impeller and blades

Heating: 48 x 3kW Electric elements mounted to a
treated mild steel bank

Trays: 900
Tray Area (m²): 486
Installation Required: Yes
Assembly Required: Assembled On Site
Weight: 4000kgs
Manual: Included
Training Material: Included
No. Fans: 5
No. Elements: 48
Portable / On Wheels: No
Electrical panel: Equipped with isolator, circuit
breakers, fan contactor and overload, heater
contactor, overheat safety thermostat,
over/under voltage monitor, emergency stop,
PLC with pre-loaded software, temperature and
humidity sensor, digital timer, UPS, inlet and
exhaust damper
Conversions Available:
Electric, Solar, Gas, Hot Water, Turbine



CD1500 CONTAINER DRYER TYPE 1

kW: 72kW

Remote Access Connection Avail.: Yes

Length (mm): 6000

Height (mm): 2700

Width (mm): 2500

Control Panel (mm): 400

Plug Connection Included: No

Structure: Insulated structure, doors and ceiling:
Polystyrene insulation sandwiched between white
CHROMADEK® (0.6mm) faceplate both sides, one
entrance housed in a refurbished container

Airflow: Galvanised cased axial fans with high-
speed Class H 3 phase (380v) motors and
aluminium impeller and blades

Heating: 24 x 3kW Electric elements mounted to a
treated mild steel bank

Trays: 240

Tray Area (m²): 129,6

Installation Required: Yes

Assembly Required: Yes, Pre-assembled

Weight: 4500kgs

Manual: Included

Training Material: Included

No. Fans: 3

No. Elements: 24

Portable / On Wheels: No

Electrical panel: Equipped with isolator, circuit
breakers, fan contactor and overload, heater
contactor, overheat safety thermostat,
over/under voltage monitor, emergency stop,
PLC with pre-loaded software, temperature and
humidity sensor, digital timer, UPS, inlet and
exhaust damper

Conversions Available:

Electric, Solar, Gas, Hot Water, Turbine



CD1500 CONTAINER DRYER TYPE 2

kW: 72kW
Remote Access Connection Avail.: Yes
Length (mm): 6000
Height (mm): 2700
Width (mm): 2500
Control Panel (mm): 400
Plug Connection Included: No

Structure: Insulated structure, doors and ceiling:
Polystyrene insulation sandwiched between white
CHROMADEK® (0.6mm) faceplate both sides, one
entrance , one exit, housed in a refurbished
container

Airflow: Galvanised cased axial fans with high-speed
Class H 3 phase (380v) motors and aluminium
impeller and blades

Heating: 24 x 3kW Electric elements mounted to a
treated mild steel bank

Trays: 240
Tray Area (m²): 129,6
Installation Required: Yes
Assembly Required: Yes, Pre-assembled
Weight: 4500kgs
Manual: Included
Training Material: Included
No. Fans: 3
No. Elements: 24
Portable / On Wheels: No

Electrical panel: Equipped with isolator, circuit
breakers, fan contactor and overload, heater
contactor, overheat safety thermostat,
over/under voltage monitor, emergency stop,
PLC with pre-loaded software, temperature and
humidity sensor, digital timer, UPS, inlet and
exhaust damper

Conversions Available:
Electric, Solar, Gas, Hot Water, Turbine



SD10 SOLAR DRYER

Type of Solar: Direct
Remote Access Connection Avail.: No
Length (mm): 1700
Height (mm): 1200
Width (mm): 1100
Control Panel (mm): N/A
Plug Connection Included: N/A

Structure: Galvanised Steel

Airflow: Natural Ventilation

Heating: Direct Solar

Trays: 2
Tray Area (m²): 1,08
Installation Required: No
Assembly Required: Pre-assembled
Weight: 60kgs
Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes, no wheels

Electrical panel: N/A

Conversions Available:
Solar



SD10 SOLAR DRYER

Type of Solar: Direct
Remote Access Connection Avail.: No
Length (mm): 1000
Height (mm): 1200
Width (mm): 1000
Control Panel (mm): N/A
Plug Connection Included: N/A

Structure: Material

Airflow: Natural Ventilation

Heating: Direct Solar

Trays: 10
Tray Area (m²): 2,5
Installation Required: No
Assembly Required: Pre-assembled, Collapsible
Weight: 20kgs

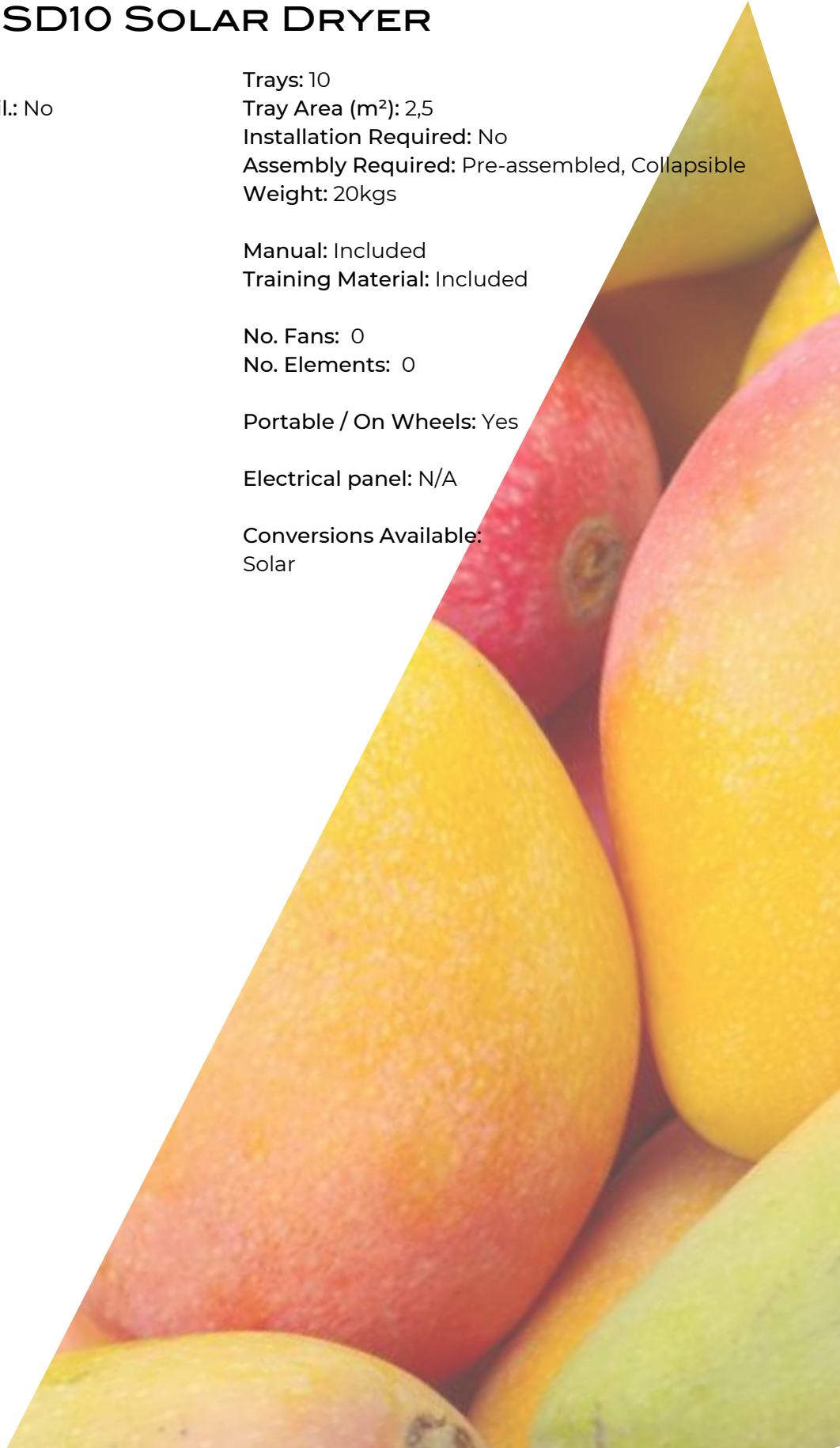
Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Electrical panel: N/A

Conversions Available:
Solar



SD20 SOLAR DRYER

Type of Solar: Direct
Remote Access Connection Avail.: No
Length (mm): 3800
Height (mm): 1200
Width (mm): 1100
Control Panel (mm): N/A
Plug Connection Included: N/A

Structure: Galvanised Steel

Airflow: Natural Ventilation

Heating: Direct Solar

Trays: 4
Tray Area (m²): 2,16
Installation Required: No
Assembly Required: Pre-assembled
Weight: 120kgs

Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Electrical panel: N/A

Conversions Available:
Solar



SD50 SOLAR DRYER

Type of Solar: Direct
Remote Access Connection Avail.: No
Length (mm): 3200
Height (mm): 1350
Width (mm): 1200
Control Panel (mm): N/A
Plug Connection Included: No

Structure: Galvanised Steel

Airflow: Natural Ventilation

Heating: Direct Solar

Trays: 10
Tray Area (m²): 5,4
Installation Required: No
Assembly Required: Pre-assembled
Weight: 195kgs
Manual: Included
Training Material: Included
No. Fans: 1
No. Elements: 0
Portable / On Wheels: Yes
Electrical panel: N/A

Conversions Available:
Solar



SD250 SOLAR DRYER

Type of Solar: Direct
Remote Access Connection Avail.: No
Length (mm): 2600
Height (mm): 1900
Width (mm): 2000
Control Panel (mm): N/A
Plug Connection Included: N/A

Structure: Galvanised Steel

Airflow: Natural Ventilation

Heating: Direct Solar

Trays: 50
Tray Area (m²): 27
Installation Required: No
Assembly Required: Pre-assembled
Weight: 255kgs

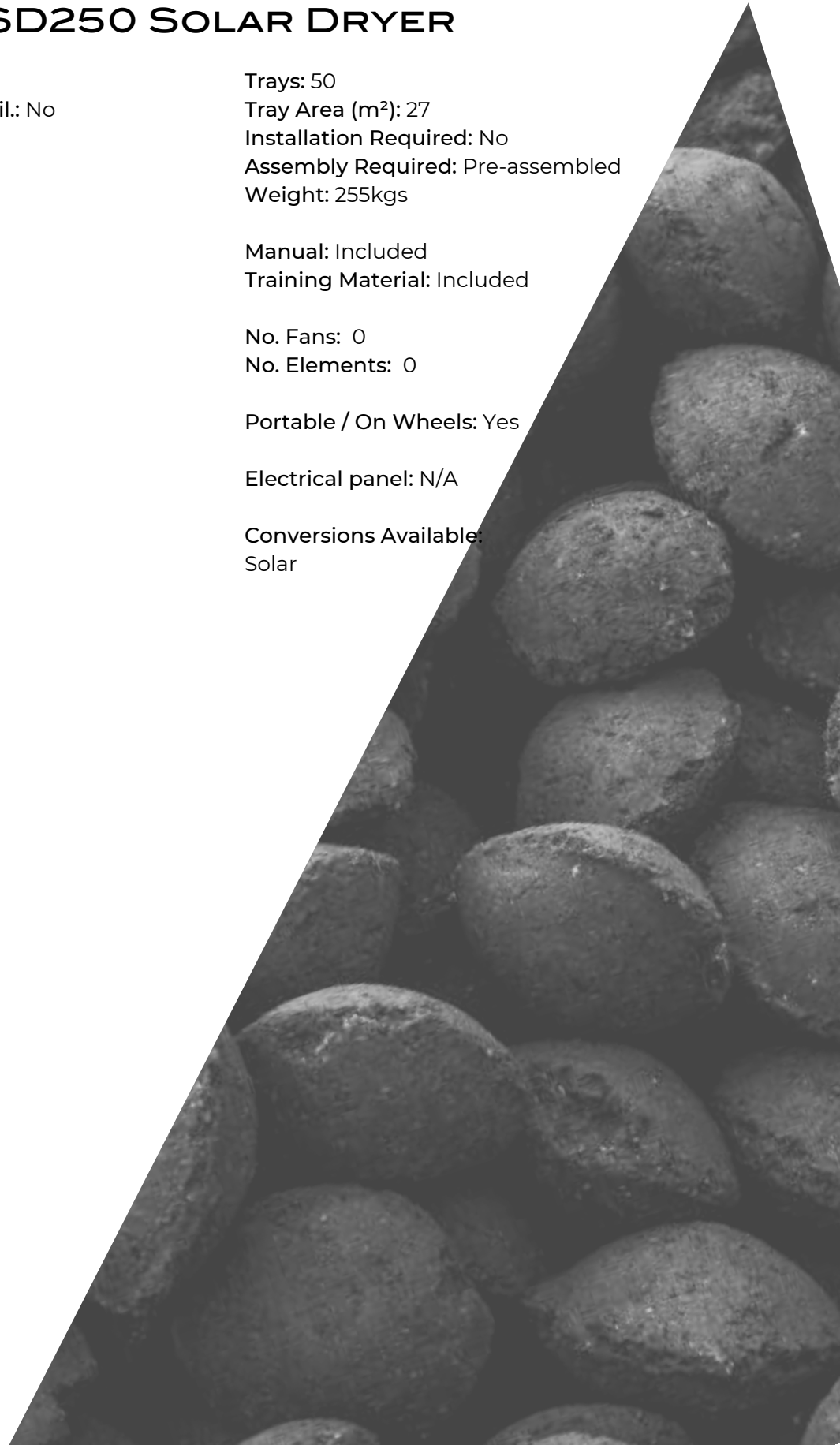
Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Electrical panel: N/A

Conversions Available:
Solar



SD250 SOLAR DRYER

Type of Solar: Direct
Remote Access Connection Avail.: No
Length (mm): 3000
Height (mm): 2000
Width (mm): 2500
Control Panel (mm): N/A
Plug Connection Included: N/A

Structure: Material

Airflow: Natural Ventilation

Heating: Direct Solar

Trays: 75
Tray Area (m²): 28,1
Installation Required: No
Assembly Required: Pre-assembled, Collapsable
Weight: 42kgs

Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Electrical panel: N/A

Conversions Available:
Solar



SD300 SOLAR DRYER

Type of Solar: Direct
Remote Access Connection Avail.: No
Length (mm): 3200
Height (mm): 2000
Width (mm): 2600
Control Panel (mm): N/A
Plug Connection Included: N/A

Structure: Material

Airflow: Natural Ventilation

Heating: Direct Solar

Trays: 75
Tray Area (m²): 31,87
Installation Required: No
Assembly Required: Pre-assembled, Collapsable
Weight: 42kgs

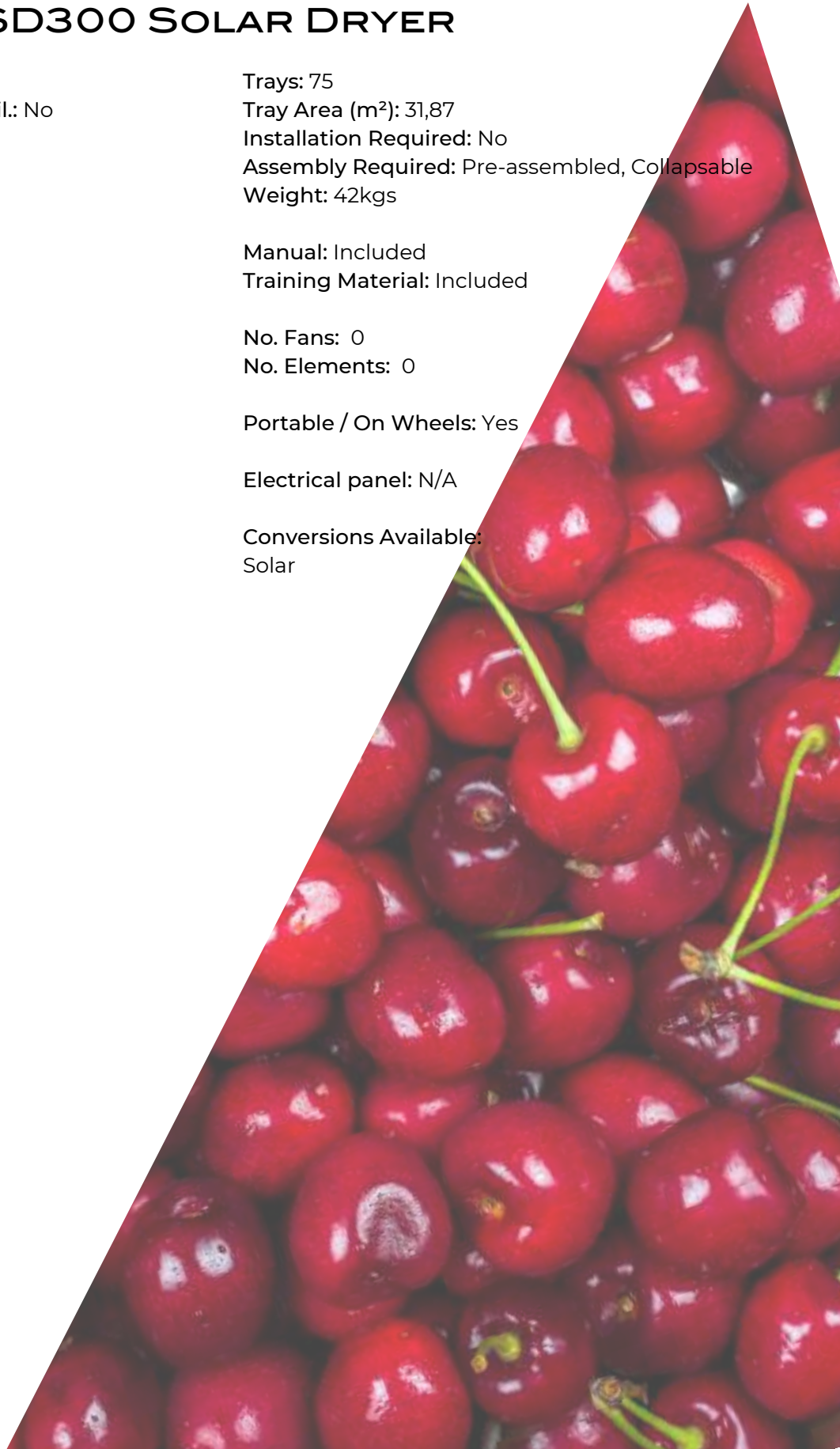
Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Electrical panel: N/A

Conversions Available:
Solar



ASEPTIC FILLER

kW: 3
Remote Access Connection Avail.: Yes
Length (mm): 1000
Height (mm): 2000
Width (mm): 1000
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Connection: Bung Specific

Air: Compressed (Optional Extra)

Installation Required: Yes
Assembly Required: Pre-assembled
Weight: 150kgs
Manual: Included
Training Material: Included
No. Fans: 0
No. Elements: 0
Portable / On Wheels: Yes
Electrical panel:
PLC with Relay, Timer

Conversions Available:
Electric



BRUSH FINISHER

kW: 1,5
Remote Access Connection Avail.: No
Length (mm): 1000
Height (mm): 1300
Width (mm): 600
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Max. 250kg/hr

Additional: Brushes, Sieve (1mm)

Installation Required: No
Assembly Required: Pre-assembled
Weight: 80kgs

Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
50 - 3000kgs/hr



PULPER

kW: 1,5
Remote Access Connection Avail.: No
Length (mm): 1000
Height (mm): 1300
Width (mm): 600
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Max. 250kg/hr

Installation Required: No
Assembly Required: Pre-assembled
Weight: 85kgs

Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
50 - 3000kgs/hr



PASTEURISER

kW: variable
Remote Access Connection Avail.: No
Length (mm): 1600
Height (mm): 1400
Width (mm): 600
Control Panel (mm): 400
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Max. 150l/hr

Installation Required: No
Assembly Required: Pre-assembled
Weight: 150kgs

Manual: Included
Training Material: Included

No. Fans: 0
No. Elements: 1

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
50 - 3000kgs/hr



HOLDING TANK

kW: 0
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Installation Required: No
Assembly Required: Pre-assembled
Weight: Various

Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000lts



BLENDING TANK

kW: 1,5
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Installation Required: No
Assembly Required: Pre-assembled
Weight: Various

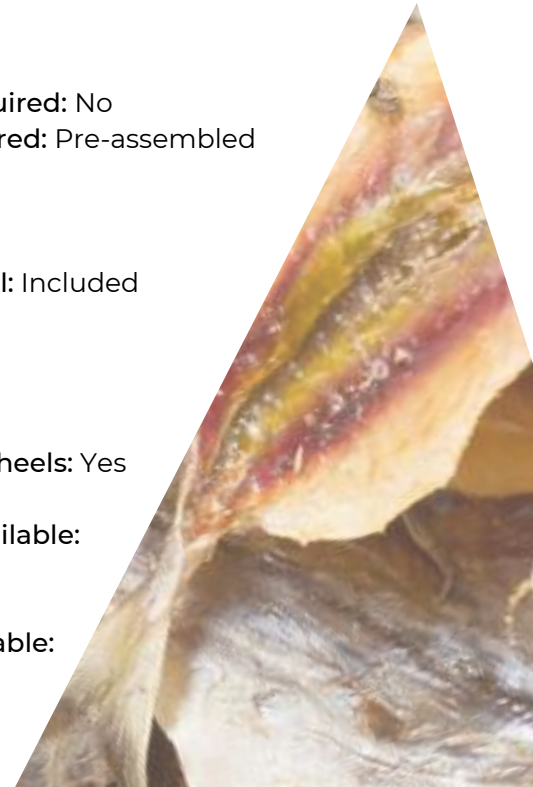
Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000lts



COOLING BATH

kW: 0
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: N/A

Structure: Stainless Steel

Volume: Various

Installation Required: No
Assembly Required: Pre-assembled
Weight: Various

Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0
Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000lts



RECEIVING STATION

kW: 2,2
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Installation Required: Yes
Assembly Required: Pre-assembled
Weight: Various

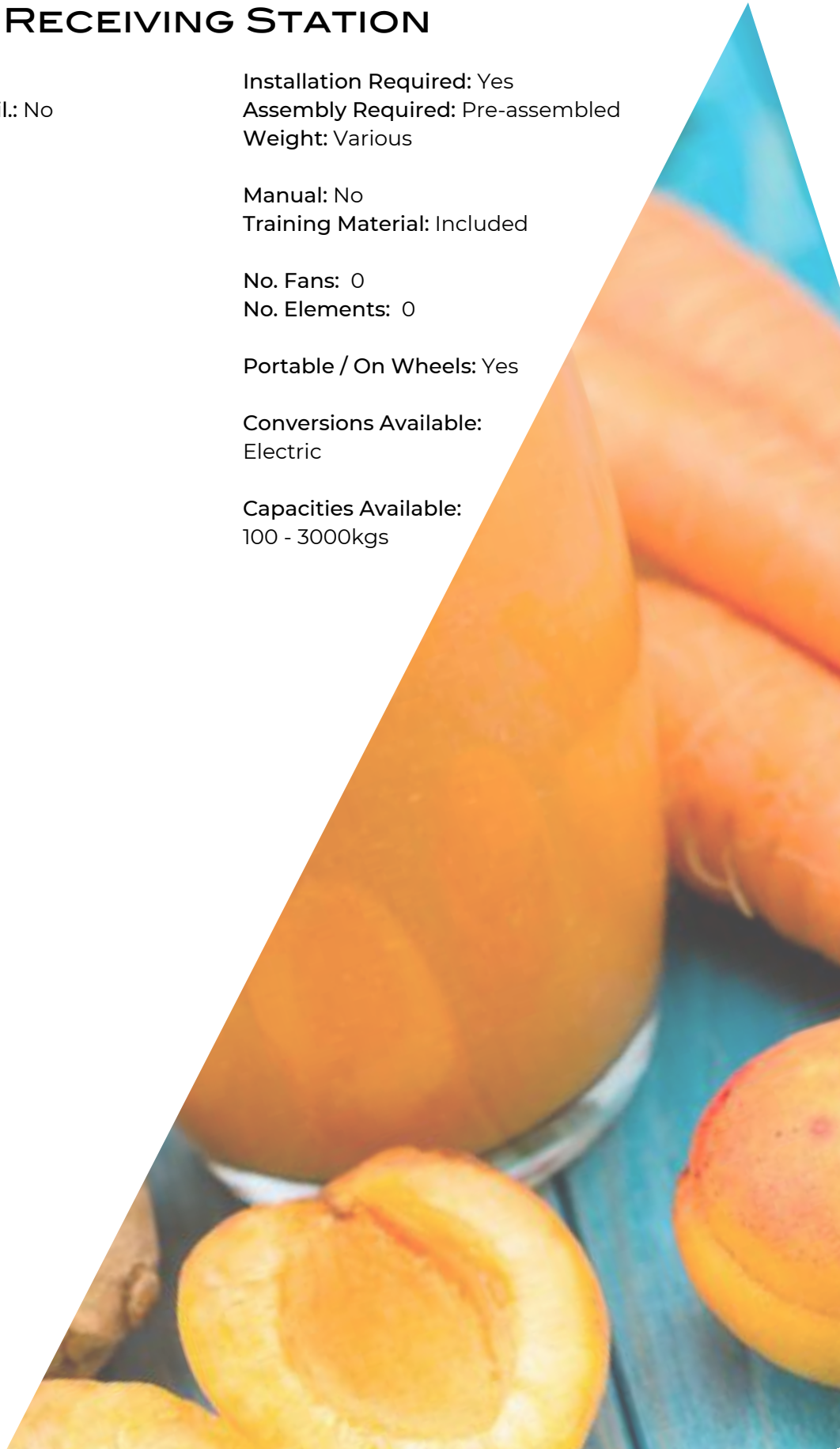
Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000kgs



WASHING STATION

kW: 2,2
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Installation Required: Yes
Assembly Required: Pre-assembled
Weight: Various

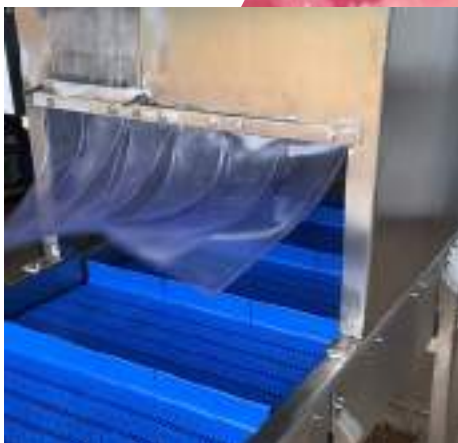
Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000kgs



SORTING CONVEYOR

kW: 2,2
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Installation Required: Yes
Assembly Required: Pre-assembled
Weight: Various

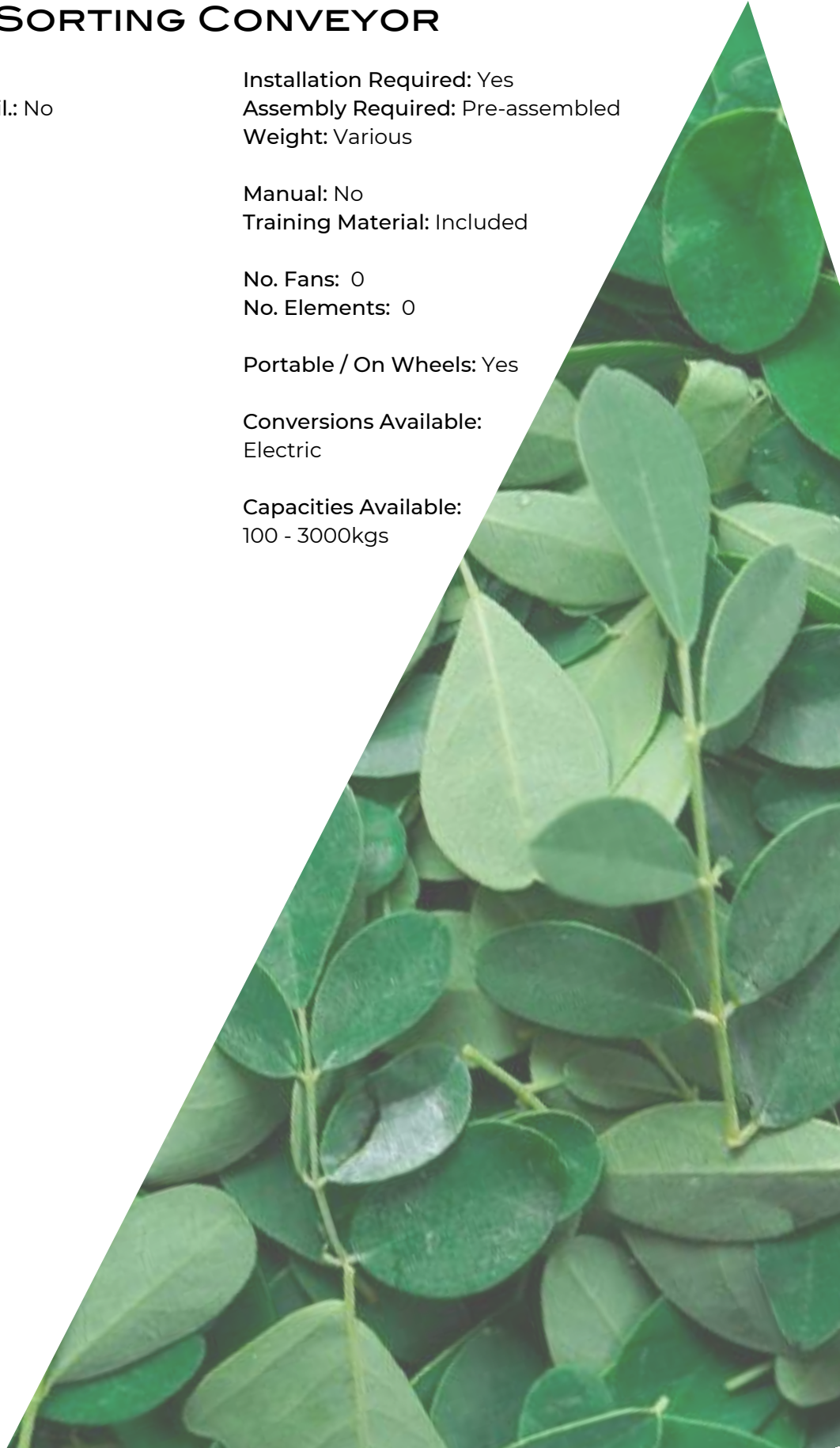
Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000kgs



PREPARATION STATION

kW: 2,2
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Installation Required: Yes
Assembly Required: Pre-assembled
Weight: Various

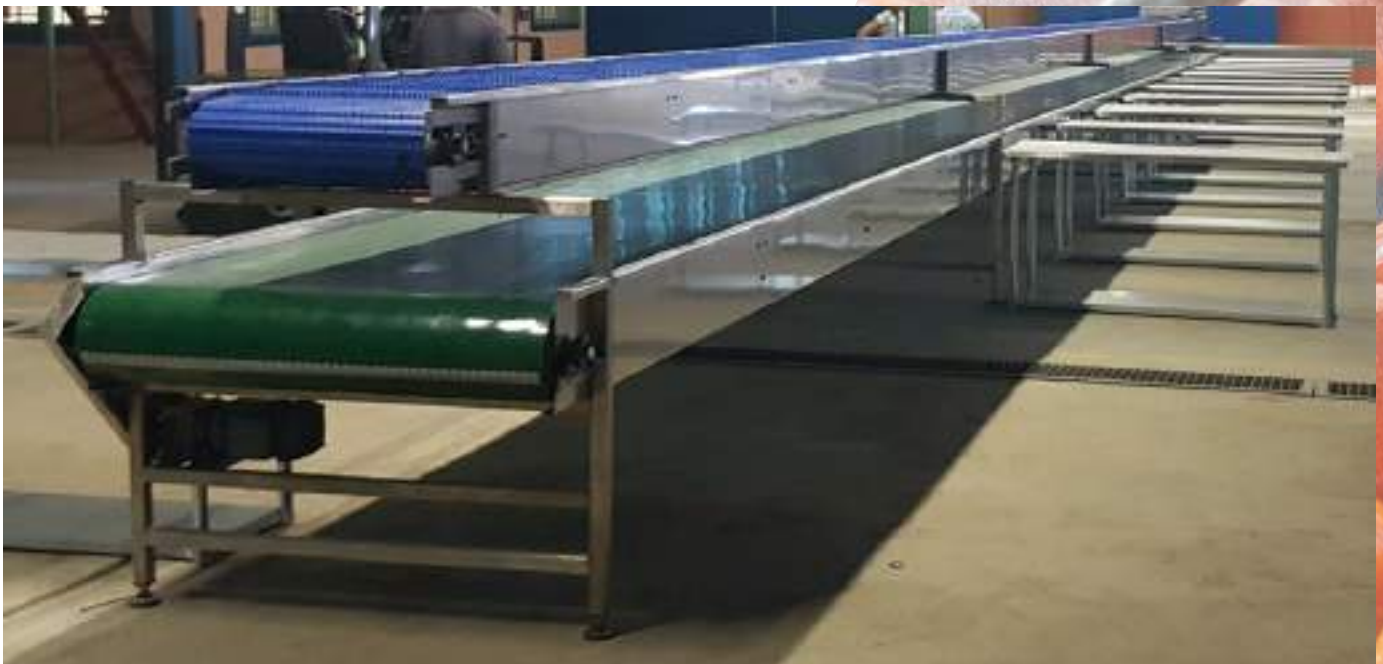
Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000kgs



CUTTING STATION

kW: 2,2

Remote Access Connection Avail.: No

Length (mm): TBD

Height (mm): TBD

Width (mm): TBD

Control Panel (mm): 0

Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Blade Configuration: TBD

Installation Required: Yes

Assembly Required: Pre-assembled

Weight: Various

Manual: No

Training Material: Included

No. Fans: 0

No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:

Electric

Capacities Available:

100 - 3000kgs



PRESERVATION STATION

kW: 2,2

Remote Access Connection Avail.: No

Length (mm): TBD

Height (mm): TBD

Width (mm): TBD

Control Panel (mm): 0

Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Excluding: Tank (Optional Extra)

Installation Required: Yes

Assembly Required: Pre-assembled

Weight: Various

Manual: No

Training Material: Included

No. Fans: 0

No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:

Electric

Capacities Available:

100 - 3000kgs



OFF-LOADING CONVEYOR

kW: 2,2
Remote Access Connection Avail.: No
Length (mm): TBD
Height (mm): TBD
Width (mm): TBD
Control Panel (mm): 0
Plug Connection Included: Yes

Structure: Stainless Steel

Volume: Various

Installation Required: Yes
Assembly Required: Pre-assembled
Weight: Various

Manual: No
Training Material: Included

No. Fans: 0
No. Elements: 0

Portable / On Wheels: Yes

Conversions Available:
Electric

Capacities Available:
100 - 3000kgs



CONTAINERISED PACK HOUSE

Length (mm): 12000
Height (mm): 2600
Width (mm): 2400
Installation Required: Yes
Assembly Required: Pre-assembled
Manual: Yes
Training Material: Included

Most common crops are:
tomato, peppers, cucumbers, mushrooms, beans,
leafy vegetables and more

Structure:
Refurbished 12m shipping container, covered,
branded and coloured based on logo. Insulation,
aluminium tread plate flooring, waterproof
distribution board, waterproof plug points,
waterproof florescent lighting, stainless steel
contact parts, food grade cleating on conveyors,
5000L water tank with water points, hand washing,
nail brush and sanitising areas with basins, water
connection points, air conditioner, under counter
packaging storage, overhead label hangers,
additional storage areas, foot baths at entrance and
exit, cleaning equipment (no liquid solutions
included)

Receiving: 4000mm x 2500mm covered collection
point with temporary flooring.

Washing: 1500mm x 600mm conveyor with spray
washing and water collector.

Drying: 600mm x 600mm enclosed conveyor with
fan to blow off excess water and water collector

Grading: 2000mm x 600mm grading conveyor with
chute for culls.

Packing: 2 x 2300mm x 600mm packing tables with
4 x scales, 2 x wrapping and sealing stations.

Cold Store: 2000mm x 2100mm x 2100mm
1.5HP, 2-4degC holding temperature, digital
thermostat

Dispatch: 2000mm x 2500mm covered collection
point with temporary flooring.



CONTAINERISED SMOKING & CURING ROOM

Length (mm): 12000
Height (mm): 2600
Width (mm): 2400
Installation Required: Yes
Assembly Required: Pre-assembled
Manual: Yes
Training Material: Included

Most common products are:
meats, bacon, salami

Structure:

Refurbished 12m shipping container, covered, branded and coloured based on logo. Insulation, aluminium tread plate flooring, waterproof distribution board, waterproof plug points, waterproof florescent lighting, stainless steel contact parts, 5000L water tank with water points, hand washing, nail brush and sanitising areas with basins, water connection points, air conditioner, additional storage areas, foot baths at entrance and exit, cleaning equipment (no liquid solutions included)

Preparation Area, Smoking Chamber, Drying Chamber, Fermentation Chamber, Curing Room, Packaging, Cold Storage

Humidification and Dehumidification Systems, Control and Sensors, Remote Access

CONTAINERISED MUSHROOM FACILITY

Length (mm): 12000
Height (mm): 2600
Width (mm): 2400
Installation Required: Yes
Assembly Required: Pre-assembled
Manual: Yes
Training Material: Included

Most common products are:
mushrooms

Structure:

Refurbished 12m shipping container, covered, branded and coloured based on logo. Insulation, aluminium tread plate flooring, waterproof distribution board, waterproof plug points, waterproof florescent lighting, stainless steel contact parts, 5000L water tank with water points, hand washing, nail brush and sanitising areas with basins, water connection points, air conditioner, additional storage areas, foot baths at entrance and exit, cleaning equipment (no liquid solutions included)

Pasteurisation Area, Inoculation Chamber, Development Room, Growing Sections, Sorting Section, Packaging, Cold Storage

Humidification and Dehumidification Systems, Control and Sensors, Remote Access



CONTAINERISED VERTICAL FARM

Length (mm): 12000
Height (mm): 2600
Width (mm): 2400
Installation Required: Yes
Manual: Yes

Assembly Required: Pre-assembled
Training Material: Included

Most common crops are:

lettuce, spinach, kale, arugula, swiss chard, bok choy, strawberry, peppers, cucumber, tomato, beans, blueberries, chives, basil, mint, edible flowers like nasturtium, calendula but not limited to...

Consumption (average):

water: initial 600l with top up to tanks
electricity: 200kWh per 24hrs
labour: 20-25hrs per week

Steps:

- plant seeds takes about 3 hours wait 3 weeks
- transplant seedlings takes about 6 hours wait between 3-5 weeks plant new seeds
- harvest crop takes about 7 hours transplant second seedling crop UV flood and start again

Advantages:

portable unit - able to change locations based on convenience
controlled environment - reduce impact of climate and location restrictions
extend your farming period - no longer dependant on seasonal restrictions... 365 days to farm
improve productivity - you control the environment! reduce growth period by increasing the duration of your 'sunshine'
eradicate post harvest losses - 'farm' to cold room or table in minutes
durable and efficient - farm anywhere from deserts to snowy slopes
no soil dependency - no ploughing or tilling of soil
switch it up - crops no longer determined by location and season
resource efficiency - utilise all your resources like water, labour, light and nutrients
silent - become an urban farmer and base your farm in town or the city without disturbing anyone
more family time - spend more time with loved ones and let KHULISA do the heavy lifting
smart farming - with INDUNA's help you can't go wrong
farming made easy - no qualifications needed
superior produce - schools and restaurants can grown fresh, high quality produce in the parking lot
secure - with the steel exterior your harvest and equipment are safe and sound
remote access - log in to check on your plants and receive notifications or alerts from INDUNA
stay local - produce for local markets at the source of consumption
free time - pursue your education, take up a new hobby or interest with minimal time required thanks to
expandable - increase the size of your farm by stacking the containers vertically
organic produce - utilise organic feeding
no more bugs - a closed, controlled environment means no pests or insects damaging your plants or soil infestations

Requirements:

dedicated internet connection, single phase electricity where solar isn't selected, potable water connection point, level foundation or base



CONTAINERISED JUICING SYSTEM

Voltage: 380

Length (mm): 6000 or 12000

Height (mm): 2600

Width (mm): 2400

Installation Required: Yes

Manual: Yes

kW: 16

Capacity: Max. 150l/hr

Assembly Required: Pre-assembled

Training Material: Included

Most common products are:

banana, mango, peach, apple, pineapple, tomato, berries and more

Structure:

Refurbished 12m shipping container, covered, branded and coloured based on logo. Insulation, aluminium tread plate flooring, waterproof distribution board, waterproof plug points, waterproof florescent lighting, stainless steel contact parts, hand washing, nail brush and sanitising areas with basins, water connection points, additional storage areas, cleaning equipment (no liquid solutions included)

washing bin, hammer mill, brush finisher, holding tank with mixer, pasteuriser & pump, compressor, filling station, cooling basin, digital scale, 10 plastic, buckets, stainless steel table, plastic curtain, lighting, refractometer, thermometer

Optional Extras: Sachet Expander (Manual), Automated Sachet Filler (600), Sorting Conveyor, Air Conditioning Unit, Cold Store



BAR EXTRUDER

Voltage: 380
Length (mm): 680
Height (mm): 750
Width (mm): 500
Installation Required: NO
Manual: Yes

kW: 2,2
Capacity: Variable

Assembly Required: Pre-assembled
Training Material: Included

Most common products are:
banana, mango, peach, apple, pineapple, tomato, berries and more

Material: stainless steel

Optional Extras: mould or fitting based on desired form



NUT BUTTER EXTRUDER

Voltage: 220

Length (mm): 450

Height (mm): 1500

Width (mm): 500

Installation Required: No

Assembly Required: Pre-assembled

Manual: Yes

Training Material: Included

Most common products are:

nuts

Material: stainless steel

kW: 2,2

Capacity: Max. 150l/hr



NUT OIL EXPELLER

Voltage: 220

Length (mm): 700

Height (mm): 1200

Width (mm): 550

Installation Required: No

Assembly Required: Pre-assembled

Manual: Yes

Training Material: Included

Most common products are:

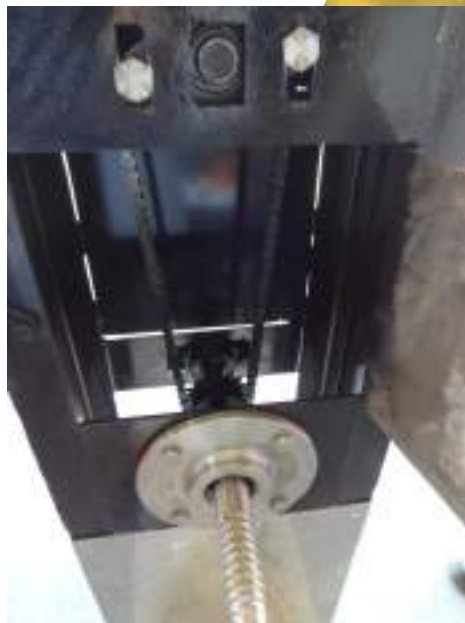
nuts

Material: stainless steel

Conversion Available: manual or electric

kW: 3

Capacity: Max. 150l/hr



ROASTER

Voltage: 220
kW: 0,75
Length (mm): 1800
Height (mm): 1600
Width (mm): 750

Installation Required: Yes
Assembly Required: Pre-assembled

Manual: Yes
Training Material: Included

Capacity: Max. 30kg/hr
Heating Source: LPG Gas

Most common products are:
nuts

Material: stainless steel



JAM COOKER

Voltage: 380

kW: 9

Length (mm): 750

Height (mm): 1300

Width (mm): 750

Installation Required: Yes

Assembly Required: Pre-assembled

Manual: Yes

Training Material: Included

Capacity: Max. 150l

Material: stainless steel

Conversions: LPG gas



COLD ROOM

Voltage: 380
Length (mm): TBD
Height (mm): 2200
Width (mm): TBD
Installation Required: Yes
Assembly Required: Optional Pre-assembled
Manual: Yes
Training Material: Included

kW: variable
Capacity: Max. 150l/hr

Variables based on requirements

FREEZER

Voltage: 380
Length (mm): TBD
Height (mm): 2200
Width (mm): TBD
Installation Required: Yes
Assembly Required: Optional Pre-assembled
Manual: Yes
Training Material: Included

kW: variable
Capacity: Max. 150l/hr

Variables based on requirements



VEGETABLE CUTTER

Voltage: 220
kW: 0,25
Length (mm): 580
Height (mm): 455
Width (mm): 300

Installation Required: Yes
Assembly Required: Pre-assembled

Manual: Yes
Training Material: Included

Capacity: Max. 150kg/hr

Material: stainless steel

standard blades included: 3mm, 4mm, 7mm, 7mm Grating and 5mm & 8mm slicing

Optional Extras:
cubing blade
conveyor



ELECTROLYSED WATER PLANT

Electrolyzed water (EW) is a type of water that has undergone an electrolysis process which contains the active ingredient, hypochlorous acid (HOCl). This compound is effective against bacteria, viruses, spores and fungi.

During electrolysis, an electric current is passed through water, containing dissolved salts which causes chemical reactions to occur at the electrodes. These reactions result in the formation of two separate streams of water: acidic water (anolyte) at the anode and alkaline water (catholyte) at the cathode.

Anolyte: pH range 2.-8.5 used for sanitising purposes

Catholyte: pH range 10.5-11.5, used for cleaning purposes.

An estimated production ratio of 80% anolyte : 20% catholyte exists at a neutral pH

- Broad spectrum antimicrobial activity
- No antibiotic resistance
- Non-toxic and Non-hazardous
- Environmentally friendly
- Mimics the immune system process for eliminating germs
- Shelf life and stability
- Non-corrosive when used as instructed
- No stores of concentrated sanitiser are needed
- Major chemical is salt as the raw material required
- No residues – once the HOCl has been used, the solution decomposes back into diluted saline solution

Applications:

On Farm

- As a post-harvest sanitiser for raw fruits and vegetables <60ppm
- As an equipment and cold room sanitiser <100ppm
- Management of diseases in the field and greenhouse
- Equipment cleaning and sanitation
- Seed decontamination
- Aquaculture, Hydroponics and Compost Safety

In Processing plant

- As a post-harvest, pre-process sanitiser for raw fruits and vegetables <100ppm
- As a microbial rinse for raw fruits and vegetables <60ppm
- As an equipment and room sanitiser <100ppm

Concentration and treatment level depend on the amount of organic matter present, contact time, pH, temperature, agitation and the presence of protective biofilms.



ELECTROLYSED WATER PLANT

Each HOCl Generation Plant includes the following, appropriately sized components,

- Refurbished container, insulated with a connection point and lighting (can be customised)
- Pre-filter System (filter media, granular activated carbon, water softener)
- System Pressure Pumps
- Reverse Osmosis System
- Piping and Fittings
- Air conditioner (12000BTU)
- Control Panel

Incl. salt for 12 months of production (estimated)

Calculation of Salt: 7g per litre X Operating Hours X Days Per Year

Excl. 1 x buffer tank (5000lt), 1 x outside anolyte and 1 x catholyte holding tanks and stands as these are more affordably procured locally

CODE	DESCRIPTION	LTRS P/HOUR	ANOLYTE	CATHOLYTE
DFA EW120	HOCl Generation Plant 220V 14kW 30Amps	120	96	24
DFA EW200	HOCl Generation Plant 220V 20kW 30Amps	200	160	40
DFA EW300	HOCl Generation Plant 380V 20kW 35Amps	300	240	60
DFA EW600	HOCl Generation Plant 380V 25kW 45Amps	600	480	120
DFA EW1000	HOCl Generation Plant 380V 30kW 55Amps	1000	800	200



ELECTROLYSED WATER PLANT



ON FARM IRRIGATION

Continually improving the shelf life and quality of fresh fruits, vegetables, meat and fish is important for maintaining a competitive edge in markets. Controlling microbial spoilage and human pathogens in foods starts at production. EW can be produced on-farm for application by spraying or via irrigation and aquaculture systems to reduce microbial pathogens in our water, soil and plants.

Application for Anolyte

- Preventing infection and controlling diseases in a multitude of crops
- Phytophthora root rot in avocados and olive trees and hedging
- Phythium root rot in carrots, beetroots and ginger
- Pepper spot in avocados
- White rust in broccoli
- Rust in blueberries
- Sclerotinia in beans
- Blight and mildew in onions
- Powdery and downy mildew in lettuce and poppies
- Anthracnose in avocados on stems and fruit

Application Methods of Anolyte

- Fertigation
- Trickle, Sprinklers, Laterals and Center Pivot Irrigation Methods | 750lts ≥ 1000lts per hectare
- Boom Spray Application | 10% to 100% of your water volume used per hectare
- Treating Irrigation Water from Rivers, Creeks, Dam, and Ponds | Organic Matter Load Volume
- Unfiltered water around 1% of water volume used
- Filtered water around 0.5% of water volume used
- Treating water for stock, piggery and poultry industries
- Reducing in-house diseases by treating the water and removing the biofilm from out of the water system

Industries that use Anolyte EW water

- Food processing and equipment (pre and post-harvest)
- Vegetables and Fruits
- Poultry and Meat
- Seafood
- Cool room sanitising
- Water source sanitisation to produce potable water
- Sterilising refrigerated vans and containers

Anolyte is proven to be a high-end disinfecting and sanitising agent for post-harvest control of fruit and vegetable pathogens with unequalled versatility, durability, disease suppression, cost-effectiveness and safety for the workplace and the environment.



TREATMENT TABLETS

An organic releasing agent that, when dissolved in water, releases hypochlorous acid (HOCl), an incredibly powerful disinfectant. HOCl is the same molecule produced naturally in macrophages to eliminate germs absorbed in our body. HOCl generated has a neutral pH because one of the active ingredients in NaDCC, the chlorine donor, is an organic molecule. As a result, the majority of it is still HOCl which is more effective. From this standpoint of the end-user, this means that HOCl can disinfect at lower quantities than bleach and chlorine and poses fewer health concerns.

A natural antimicrobial agent that is effective against a wide range of bacteria, fungi, and viruses. Offering a long-term bacterium-killing agent, in addition to the HOCl kill rate by adding a special combination of NaDCC and nanosilver in each of the effervescence tablets. Pathogens have been demonstrated to be susceptible to nanosilver. With quantum dotted nanosilver is 450 to 530nm in size, with millions of nanosilver particles thus making it the only NON-CYTOTOXIC nanosilver in the world.

Silver anti-bacterial technology has scientifically been proven to achieve a 99.9999% kill rate against 660+ disease-causing microorganisms. This is a natural reaction and time frames vary on kill rates of different types of Pathogens.

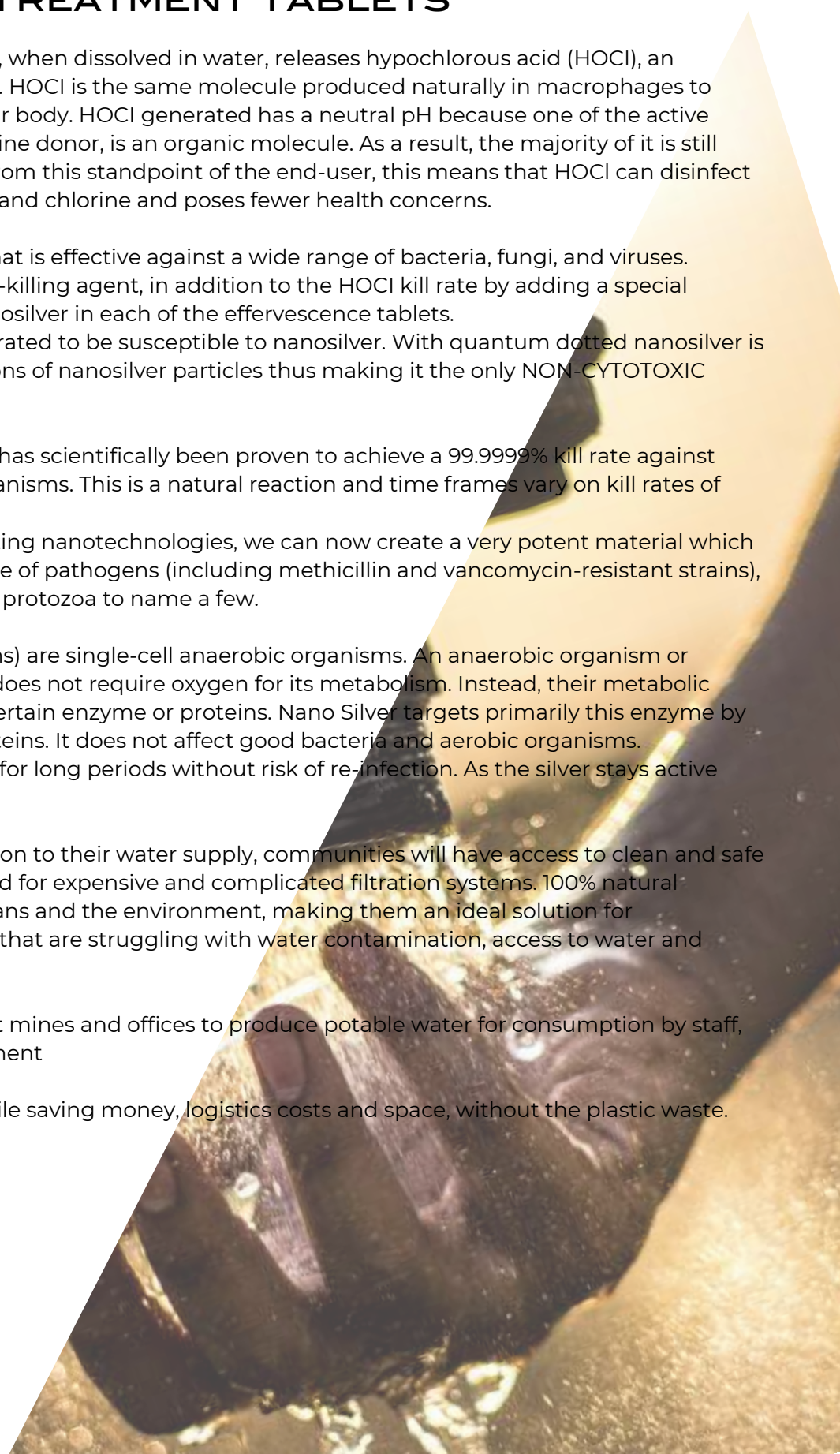
Through modern quantum dotting nanotechnologies, we can now create a very potent material which is effective against a broad range of pathogens (including methicillin and vancomycin-resistant strains), yeast, fungi, germs, viruses, and protozoa to name a few.

Most bacterial pathogens (germs) are single-cell anaerobic organisms. An anaerobic organism or anaerobe is any organism that does not require oxygen for its metabolism. Instead, their metabolic functions are dependent on a certain enzyme or proteins. Nano Silver targets primarily this enzyme by destroying these anaerobic proteins. It does not affect good bacteria and aerobic organisms. Allowing you to store the water for long periods without risk of re-infection. As the silver stays active indefinitely in any environment.

By simply adding this one solution to their water supply, communities will have access to clean and safe drinking water, without the need for expensive and complicated filtration systems. 100% natural products are safe for both humans and the environment, making them an ideal solution for communities around the world that are struggling with water contamination, access to water and general shortages.

This solution can also be used at mines and offices to produce potable water for consumption by staff, saving money and the environment

Provide safe drinking water, while saving money, logistics costs and space, without the plastic waste.



TREATMENT TABLETS

CODE	DESCRIPTION	TABLETS P/BOTTLE	BOTTLE P/BOX	TREATMENT VOL/TABLET
DEW 32530T	Bulk Water Disinfectant HOCl Tablet 3.25g	30	24	500L
DEW 32580T	Bulk Water Disinfectant HOCl Tablet 3.25g	80	24	500L
DEW 325200T	Bulk Water Disinfectant HOCl Tablet 3.25g	200	12	500L
DEW 640T	Bulk Water Disinfectant HOCl Tablet 6g	40	12	1000L
DEW 6120T	Bulk Water Disinfectant HOCl Tablet 6g	120	12	1000L
DEW 42100T	Bulk Water Disinfectant HOCl Tablet 42g	100	1	10000L
DEW 42BULK	Bulk Water Disinfectant HOCl Tablet 42g	400	360	10000L

Minimum Order of 1 box per type



CUSTOM

Should you require customised equipment, ideally suited to your needs, please don't hesitate to contact us.

