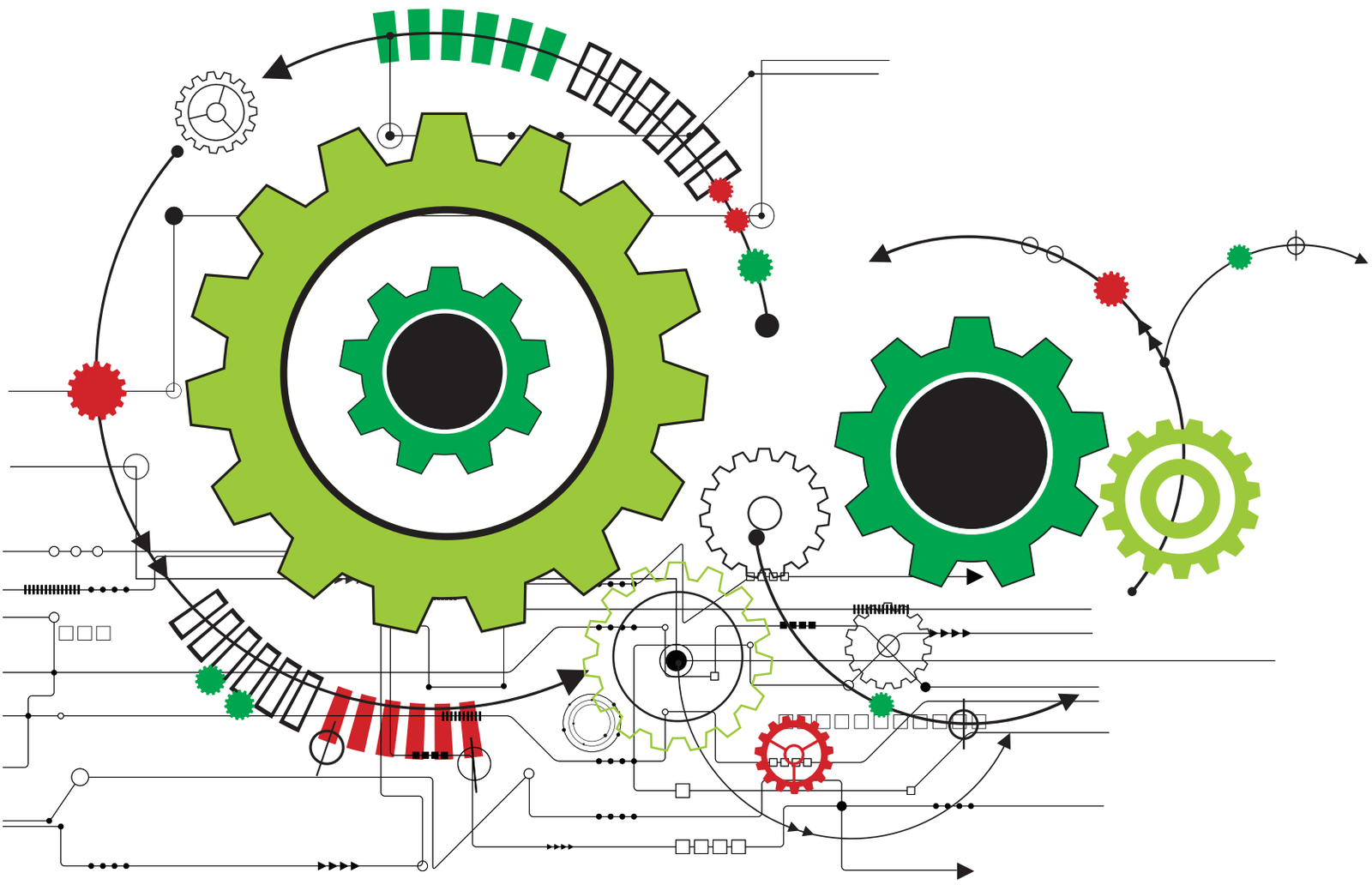
Da Ros®

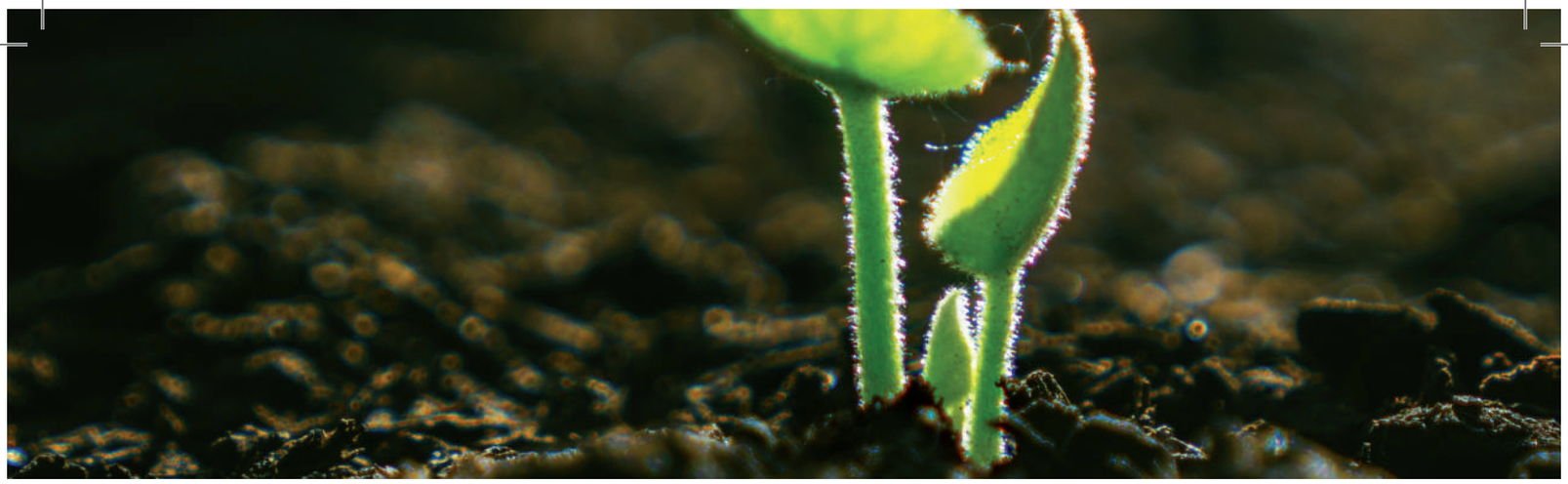
EXPERIENCE & INNOVATION

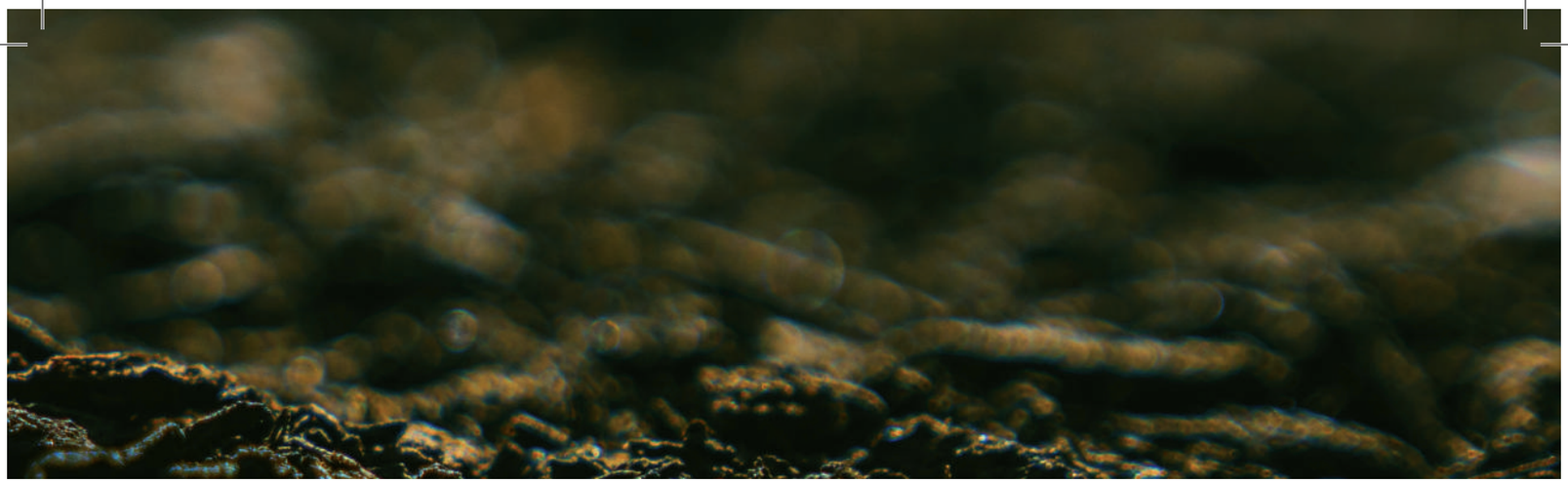


Established in 1986, over the years Da Ros srl has become a highly specialized supplier to the horticulture, flower-growing and nursery industry.
Our company has always demonstrated an uncompromising product focus, from design and manufacture all the way through to installation.
We build a range of machinery for flower growers and nurseries, catering to the seeding, transplanting, and potting needs etc. of small and mid-size businesses.
All Da Ros machinery is produced in our facility based in the Marca Trevigiana region: an area in Italy's Northeast with a wealth of agricultural and nursery traditions dating back centuries.

We have a team of 35 particularly driven individuals who bring expertise and professionalism to their roles.
We continue to draw on our experience, coming up with alternative solutions to meet our customers' wide-ranging requirements.
Employing technologically advanced equipment, we produce standard and bespoke machinery, delivering a fast turnaround.

Forever striving to offer efficient, accurate, high-calibre products - with a particular focus on simplicity and technical support - we have earned our customers' ongoing trust over the years.





Seeding

MAXIMUM TRAY SIZE	SEEDING RATE	AIR CONSUMPTION	WEIGHT
600x400x130 mm	30 rows/minute	50/150 l/min	70 kg

Seeder

SEM100

DESCRIPTION

Row seeder for small and mid-size businesses for handling even small batches of both raw and coated seeds.

STANDARD MACHINE CONFIGURATION

- Bar dibbling and seeding unit
- Moving seed tray deck
- Seed collector

OPTIONS

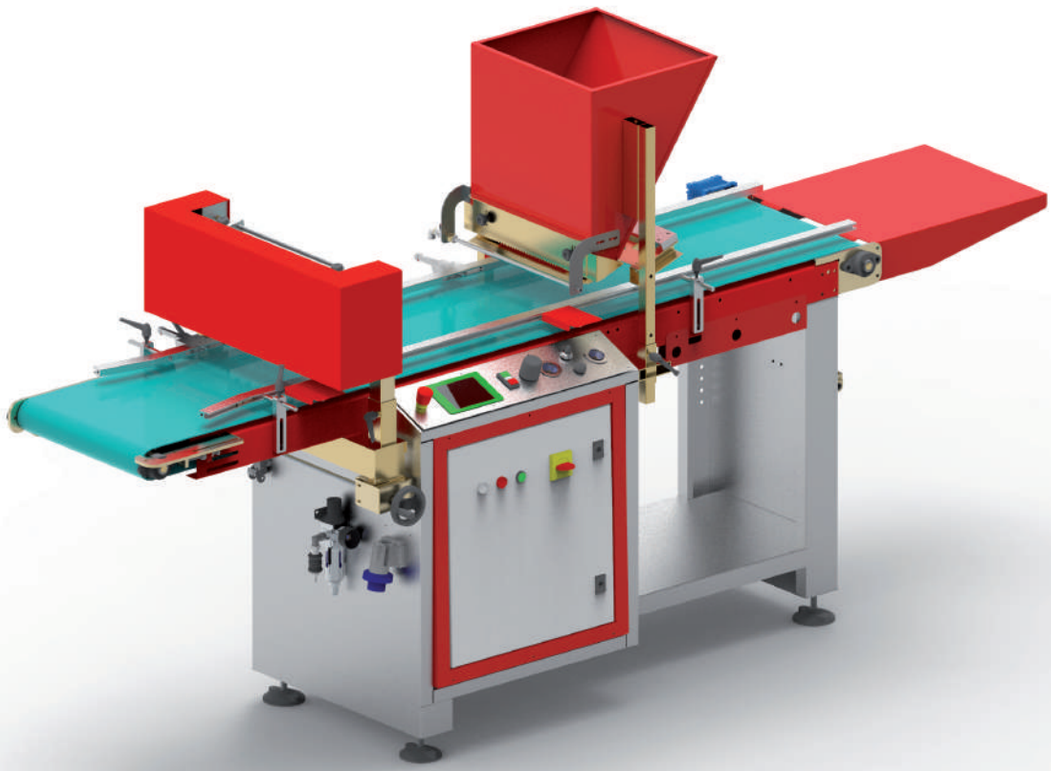
- Bar dibbling and seeding kit **BFK**
- Bar seeding nozzles **mod. UG**
- Wide body version **mod. SEM100S** for 700x480x130 mm seed trays

Technical drawing pag. 71

MAXIMUM TRAY SIZE	SEEDING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
600x400x130 mm	40 rows/minute	0.5 kW, 230 V Single phase, 50 Hz	100/150 l/min	275 kg

Seeder

LS7-2



DESCRIPTION

Electronic row seeder with touchscreen control panel for easy handling of small-sized batches of trays.
Compact row dibbling and seeding unit, with conveyor belt allowing you to build a full automatic seeding line.

STANDARD MACHINE CONFIGURATION

- Bar dibbling and seeding unit
- Vibration covering unit **mod. GRV**
- Watering drip tube
- End tray offload shelf
- Seed collector

OPTIONS

- Bar dibbling and seeding kit **BF7-2**
- Bar seeding nozzles **mod. UG**
- Drum covering unit **mod. GRR**
- Belt covering unit (peat/sand) **mod. GRN/GRNS**
- Watering and stacking belt **mod. LBI**
- System for unloading stacks onto roller table **mod. SSP**
- Stack accumulation roller table **mod. RS2**
- Wide body version **mod. LS7-2S**
  for 700x480x130mm seed trays

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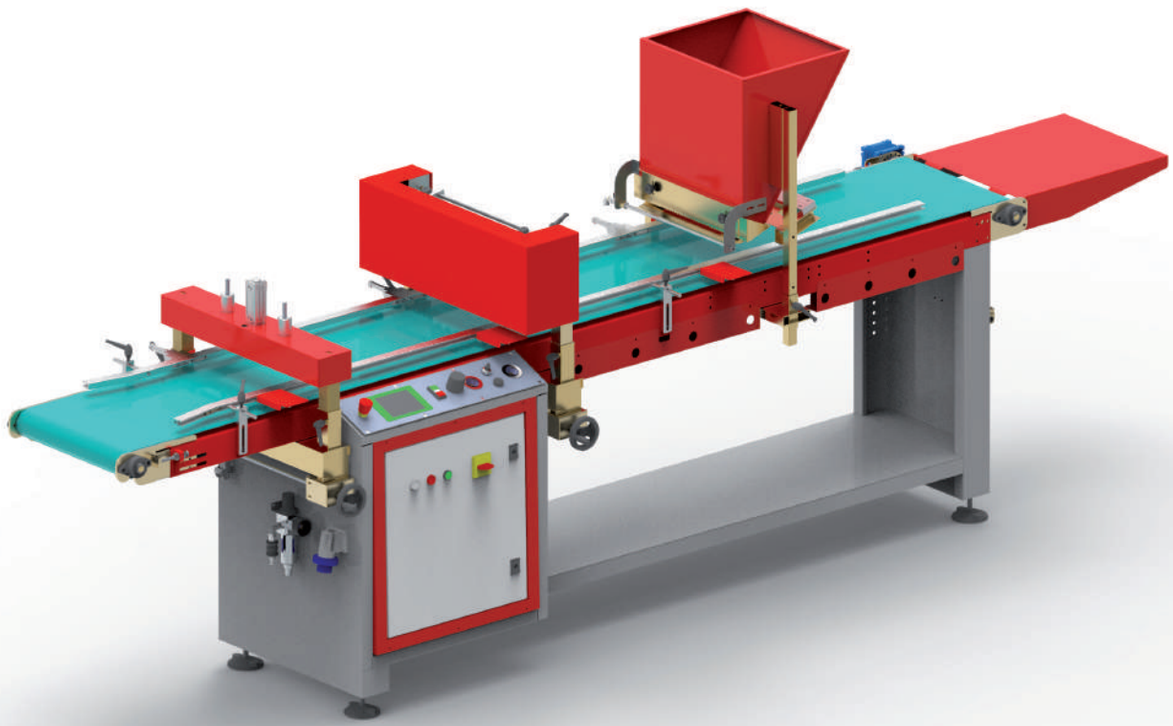
MAXIMUM TRAY SIZE	SEEDING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
600x400x130 mm	40 rows/minute	0.5 kW, 230 V Single phase, 50 Hz	100/150 l/min	350 kg

Seeder

LS7-3



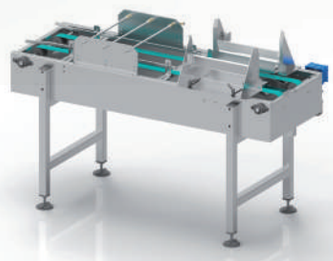
DESCRIPTION

Electronic row seeder with touchscreen control panel for easy handling of small-sized batches of trays.
Dibbling bar is separate from the seeding unit, allowing consistently correct seed handling when dealing with plug trays comprising one or more blocks.

STANDARD MACHINE CONFIGURATION

- Bar dibbling unit
- Row seeding unit
- Vibration covering unit **mod. GRV**
- Watering drip tube
- End tray offload shelf
- Seed collector

Watering
LBI



OPTIONS

- Bar dibbling and seeding kit **BF7-3**
- Bar seeding nozzles **UG**
- Drum covering unit **mod. GRR**
- Belt covering unit (peat/sand) **mod. GRN/GRNS**
- Watering and stacking belt **mod. LBI**
- System for unloading stacks onto roller table **mod. SSP**
- Stack accumulation roller table **mod. RS2**
- Wide body version **mod. LS7-3/S** for 700x480x130mm seed trays

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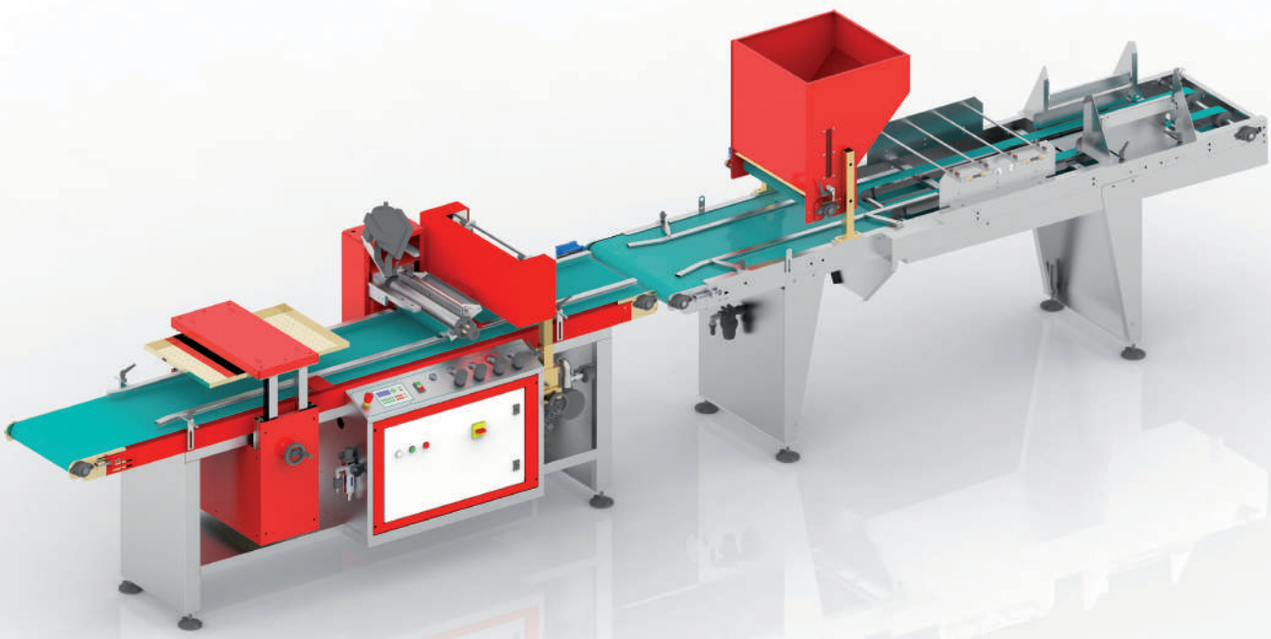
MAXIMUM TRAY SIZE	SEEDING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
600x400x130 mm	150/400 trays/hour	2.1 kW, 400 V 3PH+N+E, 50 Hz	100/150 l/min	570 kg ca.

Seeder

LR400



DESCRIPTION

"Combi" seeding line complete with a drum seeding unit and a row seeding unit. Features conveyor belt speed controlled electronically and independently from drum speed.
All line operations are controlled via the touchscreen control panel.

STANDARD LINE CONFIGURATION

- Dibbling and drum and bar seeding unit **mod. LR400**

Complete with:
- Drum covering unit **mod. GRR**
- Watering unit with 4 drip lines
- Pneumatic stacker

OPTIONS

- Dibbling **LRP**, blowing **LRS** and drum seeding **LRD** kit
- Bar dibbling and seeding kit **BFL**
- Bar seeding nozzles **UG**
- Belt covering unit (peat/sand) **mod. GRN/GRNS**
- System for unloading stacks onto roller table **mod. SSP**
- Stack accumulation roller table **mod. RS2**

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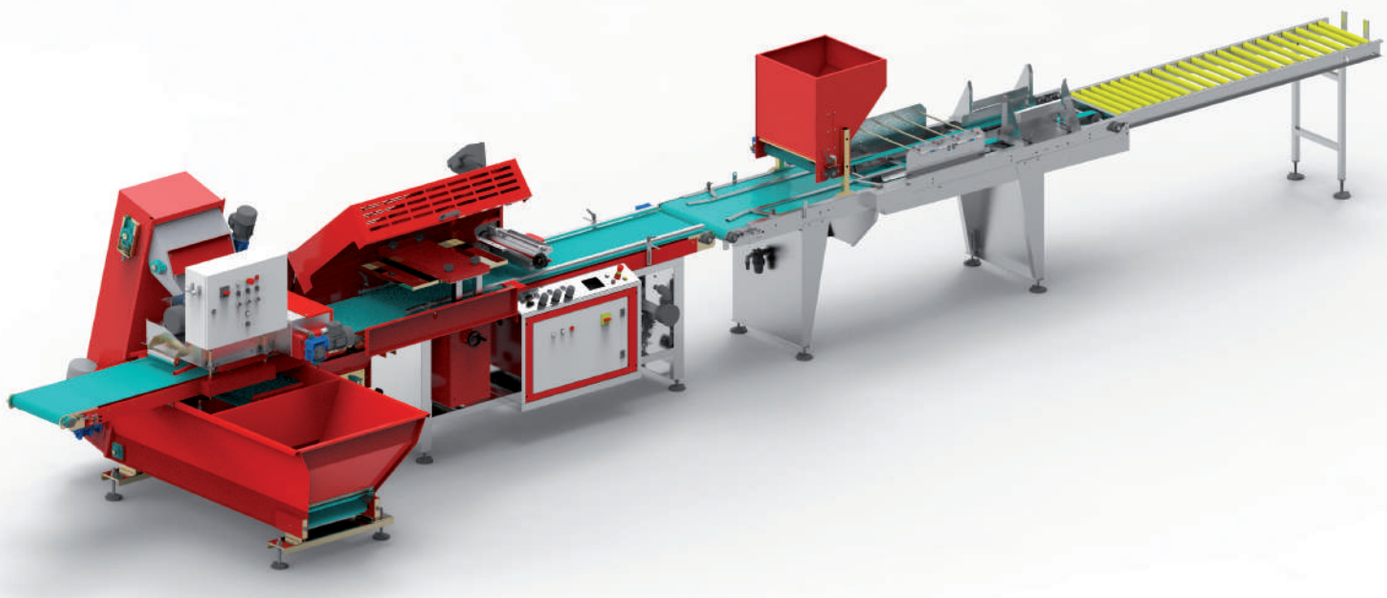
MAXIMUM TRAY SIZE	SEEDING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
600x400x130 mm	150/600 trays/hour	4.8 kW, 400 V 3PH+N+E, 50 Hz	150/200 l/min	1.140 kg

Seeder

LR650 LINE



DESCRIPTION

Full drum seeding line, featuring conveyor belt speed controlled electronically and independently from drum speed.
All line operations are controlled via the touchscreen control panel.

STANDARD LINE CONFIGURATION

- Filler **mod. RC7-TR31N-M**
- Dibbling and drum seeding unit **mod. LR600**

Complete with:
- Drum covering unit **mod. GRR**
- Watering unit with 4 drip lines
- Pneumatic stacker

OPTIONS

Destacker for polystyrene trays **mod. DC2R-DC2RT**
Destacker for thermoformed trays **mod. DC500**
Destacker for Injection trays or polystyrene trays **mod. DP5**
Infeed belt **mod. NP**
- Dibbling **LRP**, blowing **LRS** and drum seeding **LRD** kit
- Belt covering unit (peat/sand) **mod. GRN/GRNS**
- Denester for heavy plastic or thermoformed trays
- Automatic container feed belt
- System for unloading stacks onto roller table **mod. SSP**
- Stack accumulation roller table **mod. Stack accumulation stainless steel roller table mod RI**

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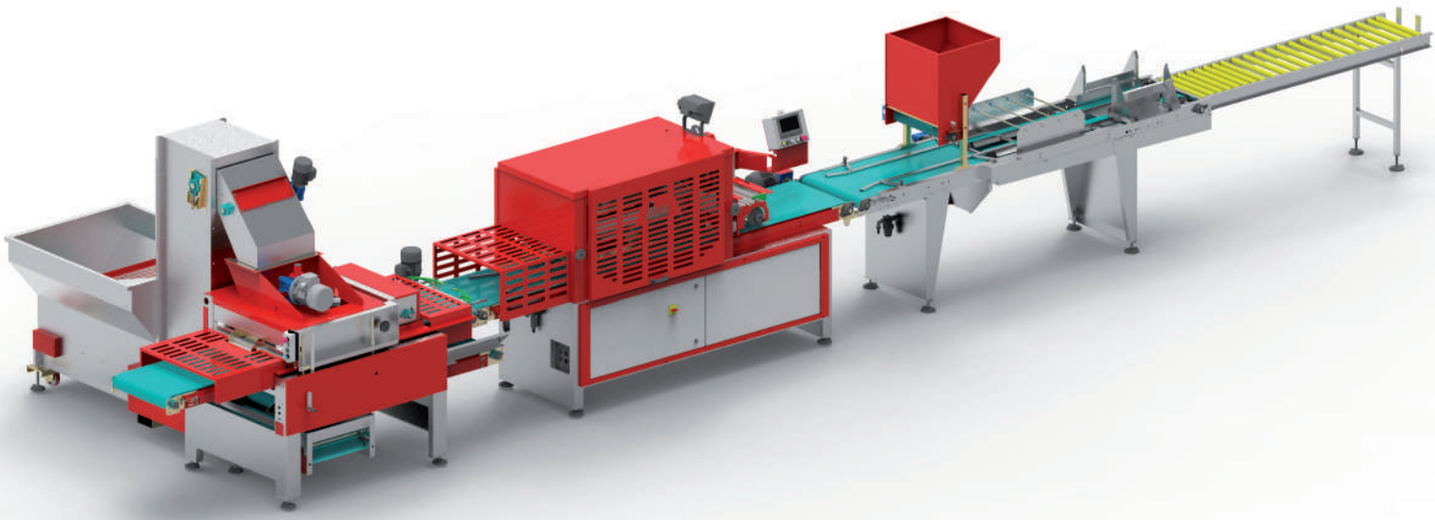
MAXIMUM TRAY SIZE	SEEDING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
600x400x130 mm	150/600 trays/hour	3.1 kW, 400 V 3PH+N+E, 50 Hz	100/150 l/min	650 kg ca.

Seeder

LR800 LINE



DESCRIPTION

High capacity seedling line based on the drum seeder LR800 equipped with electronic control of the transport belt speed independently from the sowing drum speed.
All the main working adjustments of the line are controlled from the central touch-screen display. The special software installed allows the storage of seeding recipes for an immediate and synchronized control of the filling speed with the seeding speed, the vacuum pump according he type of seed seeding speed.

STANDARD MACHINE CONFIGURATION

- hopper 650 liters **mod. RC800**
- Dibbling and drum seeder unit **mod.LR800**

Complete with:
- Drum overing unit mod. GRR
- Watering unit, 4 dripping tubes
- Adjustable guides by handwheel

OPTIONS

- Hopper extra size 1000l – 2000l
- Infeed belt **mod. NP**
- Destacker for polystyrene trays **mod. DC2R-DC2RT**
- Destacker for thermoformed trays **mod. DC500**
- Destacker for Injection trays or polystyrene trays **mod. DP5**
- Dibbling, blowing and seeding kit
- Double seeds mechanical detachment **SCREENING**
- Belt covering unit **mod. GRN/GRNS** (peat/sand)
- Automatic vermiculite recycling and filling hopper and elevator **mod.VR**
- System for unloading stacks onto roller table **mod. SSP**
- Stack accumulation stainless steel roller table **mod RI**
- Connection device for remote assistance

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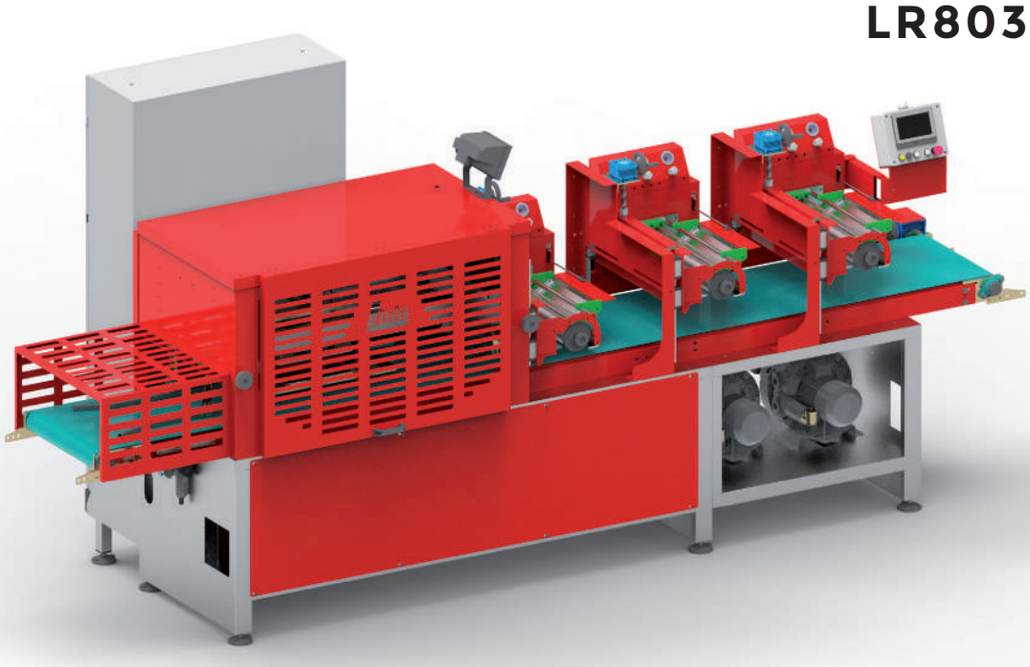
MAXIMUM TRAY SIZE	SEEDING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
600x400x130 mm	150/600 trays/hour	4.1 kW, 400 V 3PH+N+E, 50 Hz	100/150 l/min	750 kg ca.

Seeder

LR803 LINE



DESCRIPTION

LR803 seeder with three drum seeding units, equipped with electronic regulation of the belt speed independent of the drum speed. The three-drum sowing unit allows you to work with staggered trays, deposit 3 types of seeds in the same cell, increase the working capacity in multiple sowing (aromatic). Through the easy and intuitive color display and the special software installed, sowing recipes can be stored, the working speed and the vacuum pump can be automatically adjusted according to the tray and seed used.

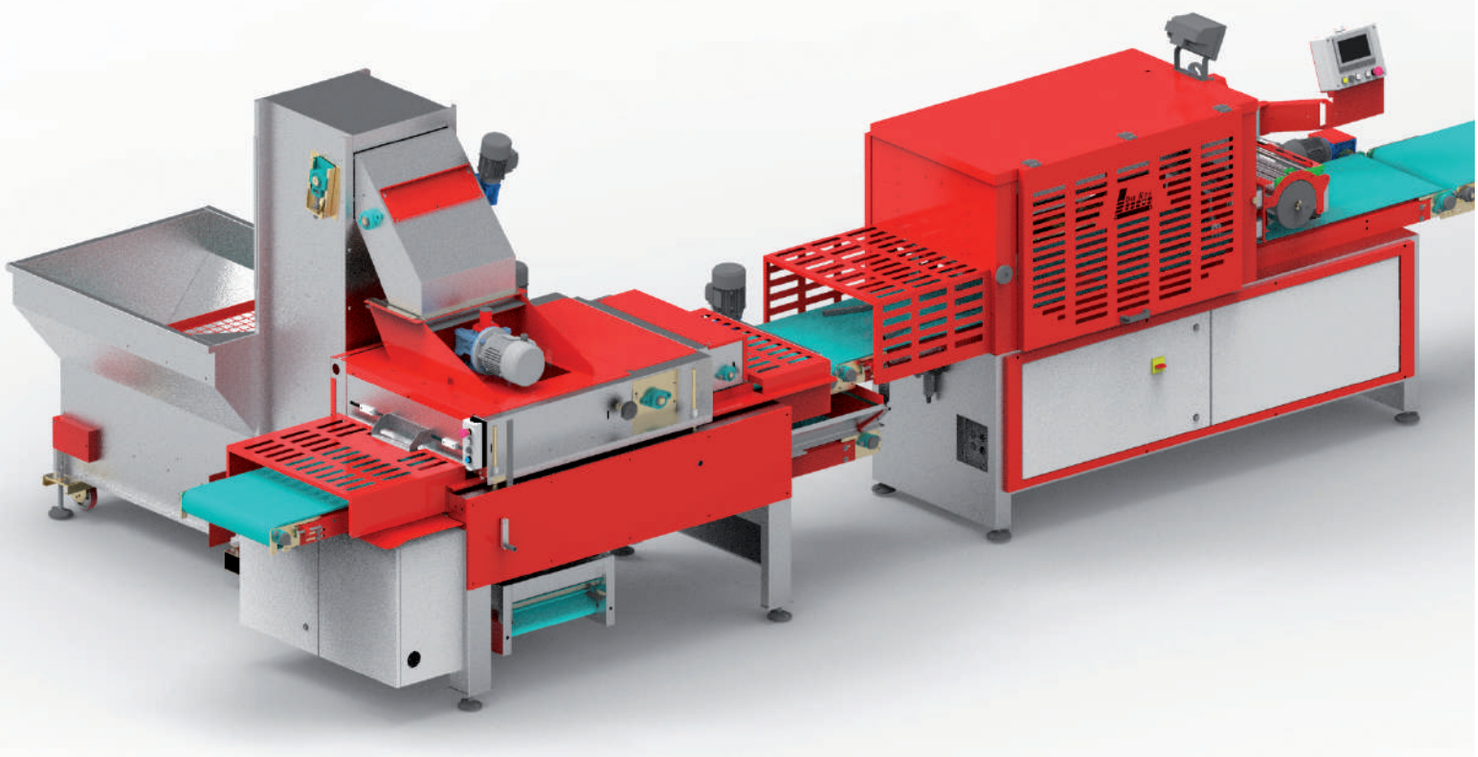
STANDARD MACHINE CONFIGURATION

- Dibbling, blowing and seeding kit

MAXIMUM TRAY SIZE	SEEDING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
700x480x180 mm	200/1200 trays/hour	9.5 kW, 400 V 3PH+N+E, 50 Hz	100/250 L/min	2.620 kg ca.

Seeder

LR1200 LINE



DESCRIPTION

High-throughput line built around the LR1200 drum seeder, featuring belt speed controlled electronically and independently from drum speed. All line operations are controlled via the touchscreen control panel.
The special software installed allows seeding recipes to be stored for immediate control of filling speed synchronized with the seeding rate, and of the vacuum pump rate adjusted to suit the type of seed used and synchronized with the seeding rate.

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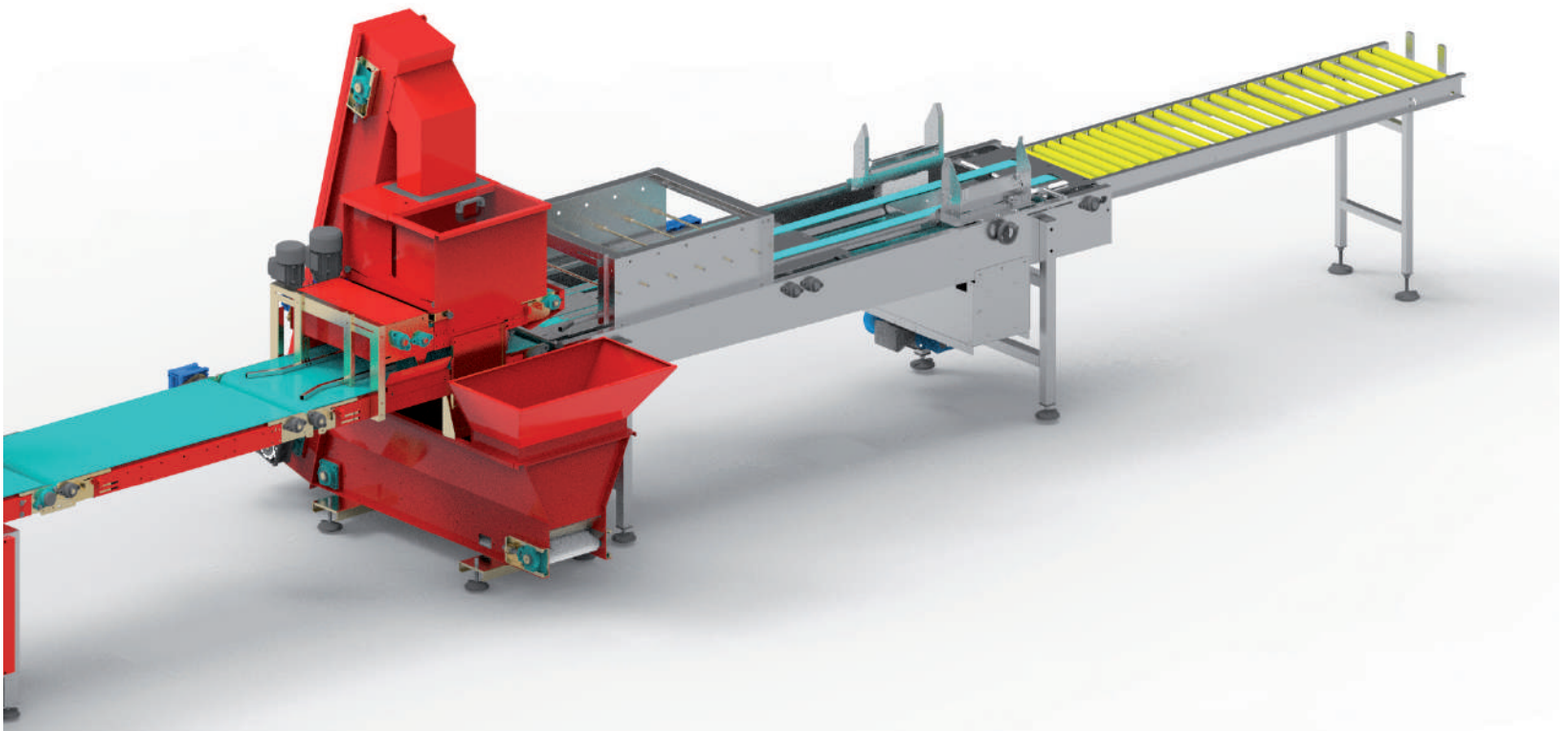


STANDARD LINE CONFIGURATION

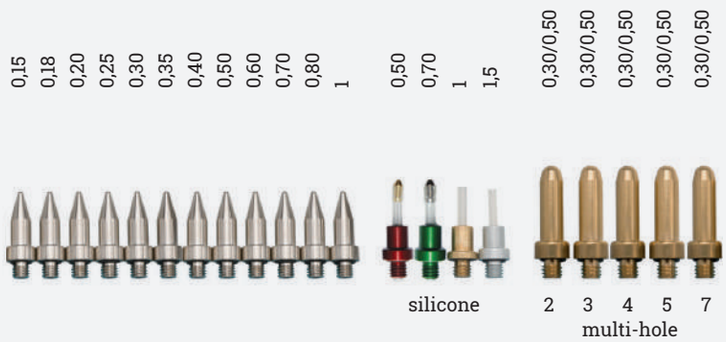
- Polystyrene tray denester
- Filler with refining mill and 650-litre hopper **mod. RC1200**
- Dibbling and drum seeding unit **mod. LR1200**
- Belt-feed covering unit **mod. GRN**
- Watering unit with 6 drip lines
- Electric stacker
- System for unloading stacks onto roller table **mod. SSP**
- Stack accumulation roller table
- Adjustable guides set with lobed knobs
- Connection device for remote assistance

OPTIONS

- Infeed belt **mod. NP**
- Destacker for polystyrene trays **mod. DC2R-DC2RT**
- Destacker for thermoformed trays **mod. DC500**
- Destacker for Injection trays or polystyrene trays **mod. DP5**
- Hopper extra size 1000l – 2000l
- Dibbling, blowing and seeding kit
- Double seeds mechanical detachment
- Belt covering unit mod. **GRN/GRNS** (peat/sand)
- Automatic vermiculite recycling and filling hopper and elevator **mod.VR**
- System for unloading stacks onto roller table **mod. SSP**
- Stack accumulation stainless steel roller table **mod RI**
- Connection device for remote assistance

Seeder accessories

UG



Nozzles with a range of hole diameters
for fitting out equipment based on seed type.

BFK/BF7-2/BF7-3

Bars for fitting out equipment (SEM100/SEM200/LS7)
based on the type of container to be seeded.

LRP/LRGP/L

Dibbler plate for fitting out equipment based
on the type of container to be seeded.

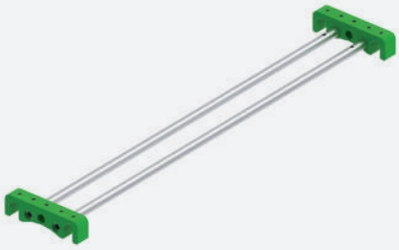
LRS

Blowing bar for fitting out equipment based
on the type of container to be seeded.

LRD

Row seeding drum for fitting out equipment based
on the type of container to be seeded.

LRM S



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LRM R

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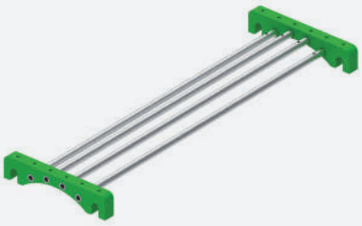
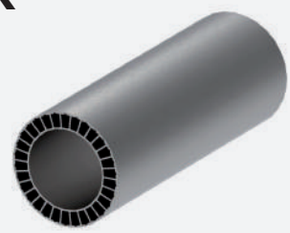
LRGS



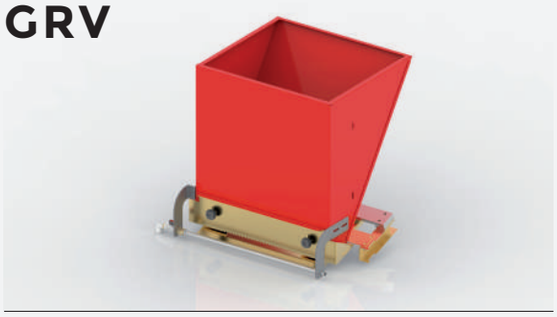
Blowing bar for fitting out equipment based
on the type of container to be seeded.

LRGR



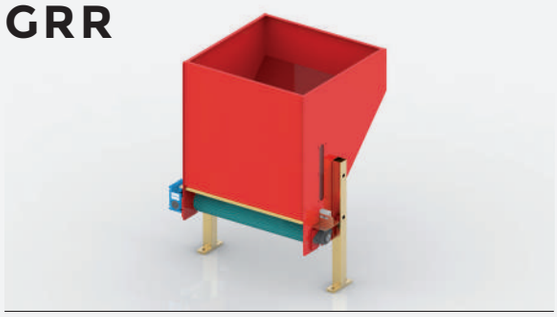
Row seeding drum for fitting out equipment based
on the type of container to be seeded.

GRV



Vibration covering unit,
suitable for vermiculite and agricultural perlite.

GRR



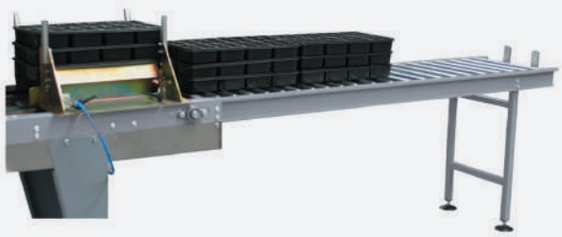
Drum covering unit,
suitable for vermiculite and agricultural perlite.

GRN/GRNS

Belt covering unit,
suitable for vermiculite and agricultural perlite.
Belt covering unit with brush, suitable for sand and peat.

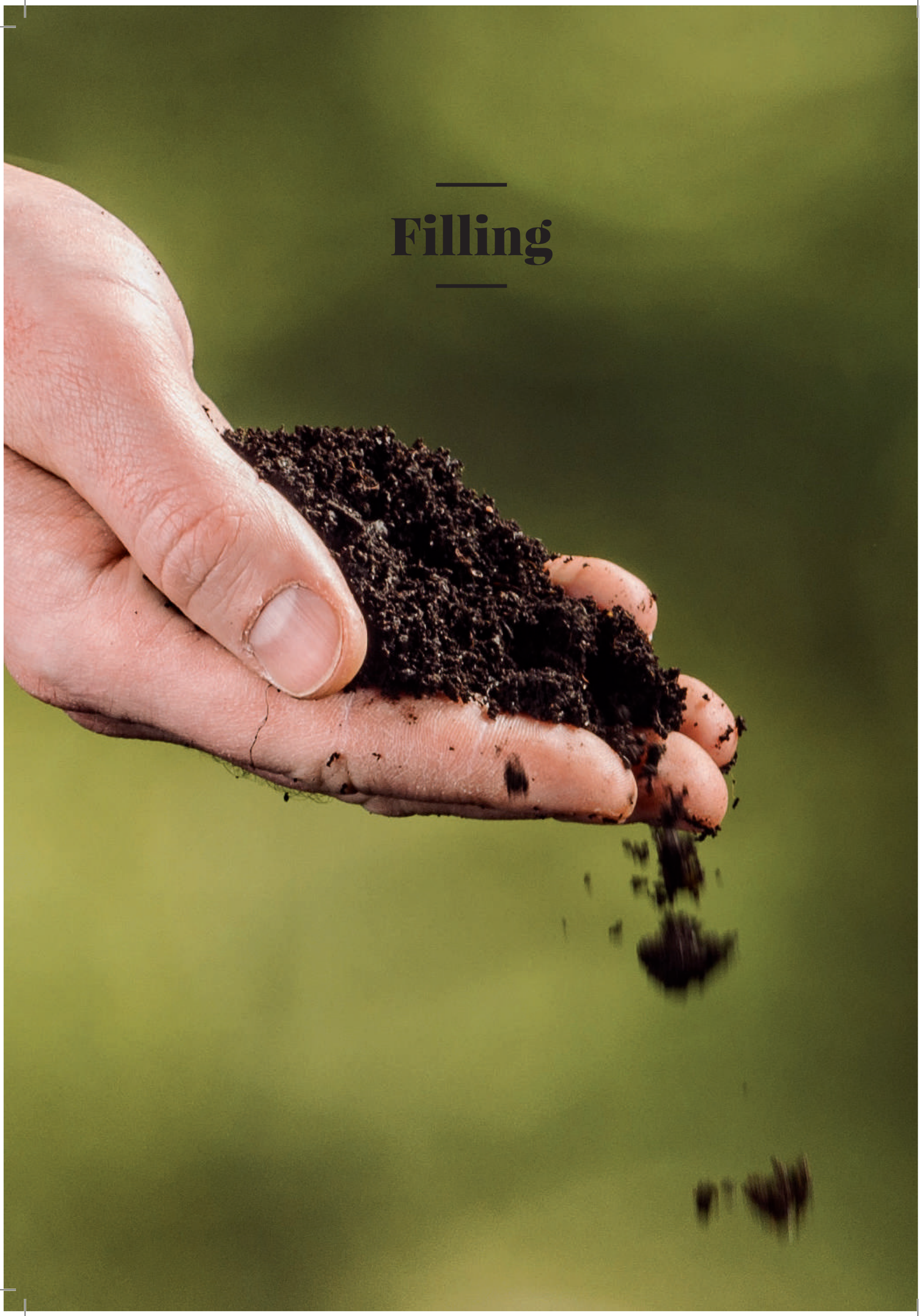
SSP

RS2



System for unloading stacks
of containers onto roller table.

2 m long container
offload roller table.

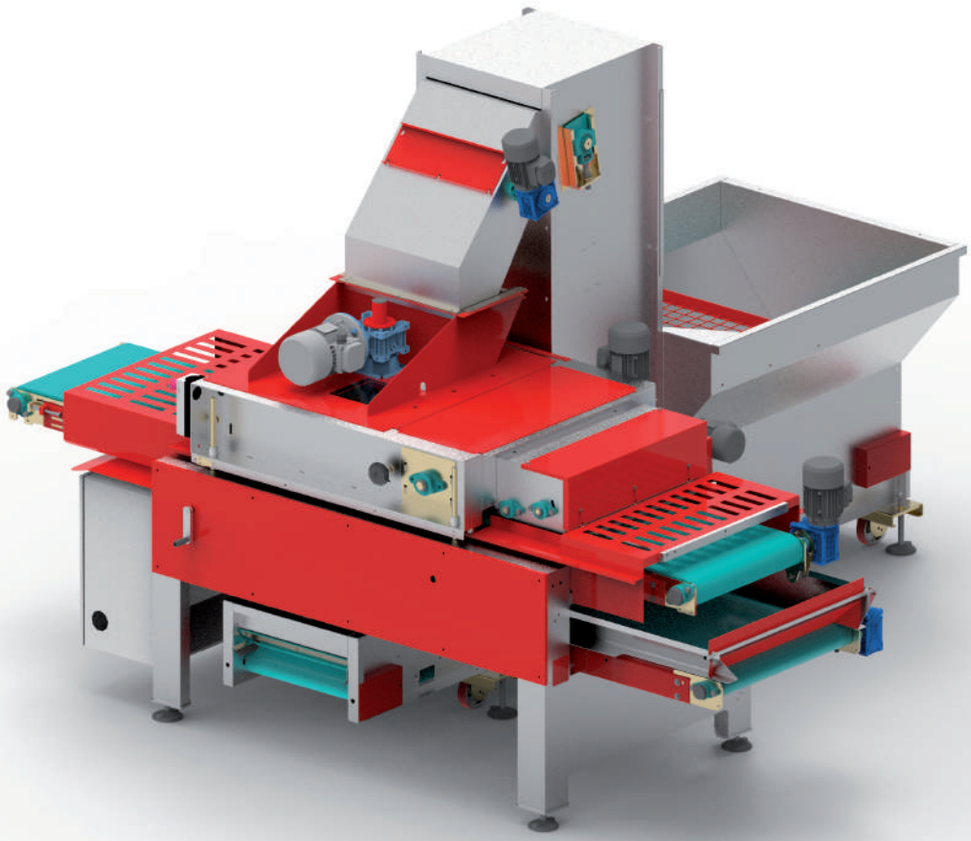


Filling

MAXIMUM TRAY SIZE	FILLING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
700x480x180 mm	200/1.200 trays/hour	3.7 kW, 400 V 3PH+N+E, 50 Hz	50/100 l/min	1.100 kg

Trayfiller

RC1200



DESCRIPTION

High-productivity filler featuring easy-to-adjust devices for a consistent fill and optimal compaction quality each time regardless of container type.
The control panel features a touchscreen for electronic control and monitoring of the devices and various stages of the work process.

STANDARD MACHINE CONFIGURATION

- 650-litre soil hopper
- Soil outlet with refining mill
- Rotating blades
- Compactor
- Vibrator
- Rotating cleaning brush
- Peat return belt
- Adjustable guides set with lobed knobs

OPTIONS

- 1,000- or 2,000-litre extra-large soil hopper
- Denester for polystyrene, heavy plastic or thermoformed trays
- Automatic container feed belt

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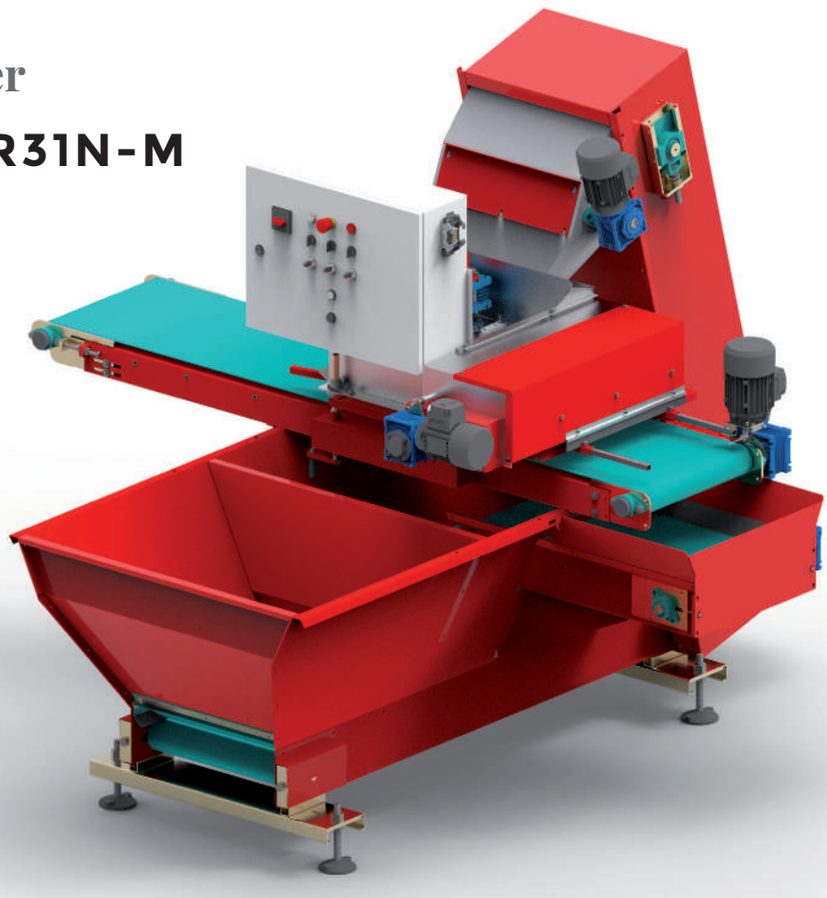
MAXIMUM TRAY SIZE	FILLING RATE	INSTALLED POWER	WEIGHT
600x400x130 mm	up to 800 trays/hour	2.7 kW, 400 V 3PH+N+E, 50 Hz	590 kg

Trayfiller

RC7-TR31N-M



DESCRIPTION

Machine for filling polystyrene and plastic trays and pots sitting flush in shuttle trays. The machine features level sensors for filling the compactor unit with peat automatically.
Electronic belt, compactor and vibrator speed control makes it easy to set optimal soil density in the cells.

STANDARD MACHINE CONFIGURATION

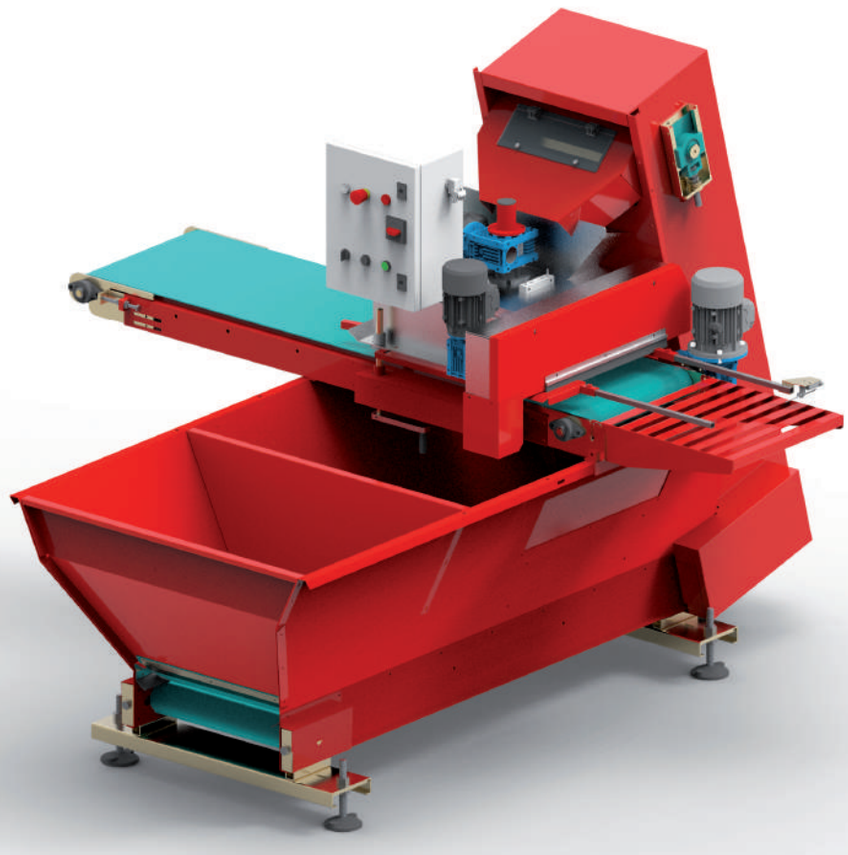
- 700-litre soil hopper
- Soil outlet with refining mill
- Compactor unit
- Vibrating deck
- Rotating cleaning brush
- Peat return belt

OPTIONS

- Denester for polystyrene/heavy plastic or thermoformed trays
- Version with 1,000-litre soil hopper **mod. TR41N-M**
- Version with twin loading/filling hopper **mod. TR5C-TR5**
- Wide body version for 700x480x130 mm containers
- Destacker for polystyrene trays **mod. DC2R-DC2RT**
- Destacker for thermoformed trays **mod. DC500**
- Destacker for Injection trays or polystyrene trays **mod. DP5**
- Infeed belt **mod. NP**
- Wheels for small movements

Technical drawing pag. 75

MAXIMUM TRAY SIZE	FILLING RATE	INSTALLED POWER	WEIGHT
600x400x130 mm	600 trays/hour	2.3 kW, 400 V 3PH+N+E, 50 Hz	470 kg



Trayfiller

RC2-TR3

DESCRIPTION

Machine for filling polystyrene and plastic trays and pots sitting flush in shuttle trays. The machine features level sensors for filling the compactor unit with peat automatically.
Mechanically controlled belt and compactor speed and vibrator adjustment makes it easy to set optimal soil density in the cells.

STANDARD MACHINE CONFIGURATION

- 700-litre soil hopper
- Compactor unit
- Vibrating deck
- Cross cleaning brushes

OPTIONS

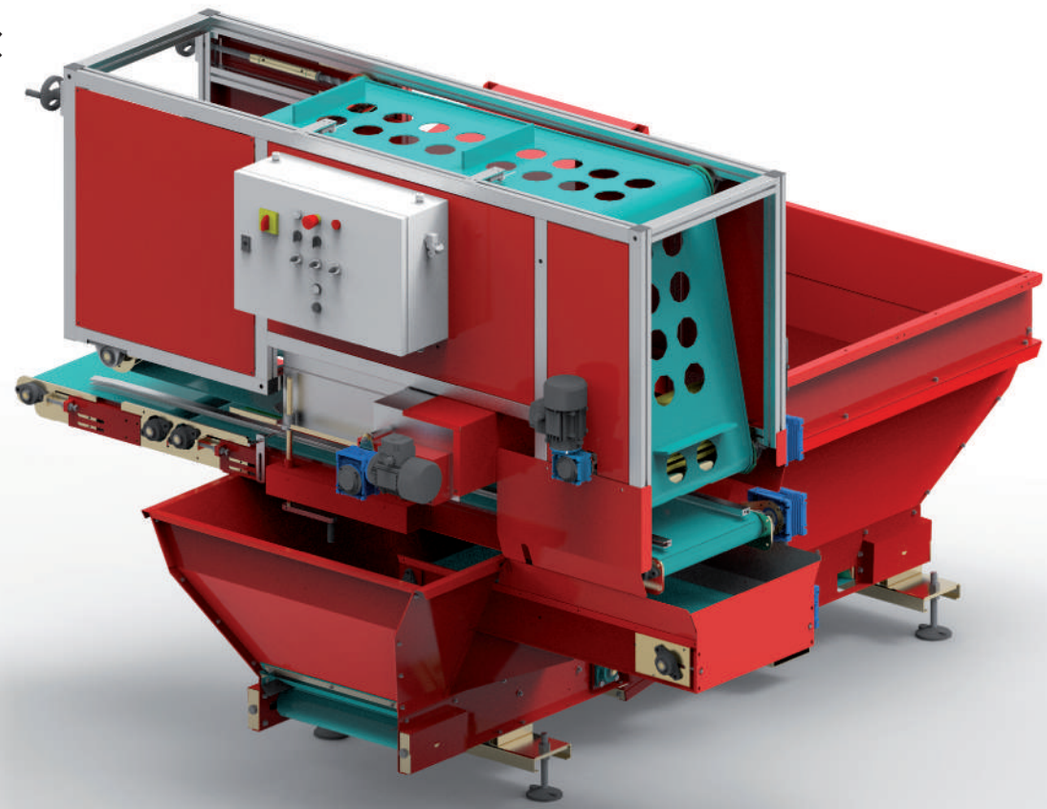
- Version with 1,000-litre soil hopper **mod. TR41N**
- Version with twin loading/filling hopper **mod. TR5C-TR5**
- Destacker for polystyrene trays **mod. DC2R-DC2RT**
- Destacker for thermoformed trays **mod. DC500**
- Destacker for Injection trays or polystyrene trays **mod. DP5**
- Infeed belt **mod. NP**
- Wheels for small movements

Technical drawing pag. 75

MAXIMUM TRAY SIZE	FILLING RATE	INSTALLED POWER	WEIGHT
600x400x150 mm	800 trays/hour	3.3 kW, 400 V 3PH+N+E, 50 Hz	730 kg

Trayfiller

RC5-TR5C



DESCRIPTION

Machine with special perforated belt for clean filling of pots sitting proud of shuttle trays. The machine features level sensors for filling the compactor unit with peat automatically.
Electronic belt, compactor and vibrator speed control makes it easy to set optimal fill density.

STANDARD MACHINE CONFIGURATION

- 650-litre peat hopper
- Filling unit with perforated belt
- Compactor unit
- Vibrating deck
- Rotating cleaning brush
- Peat return belt

OPTIONS

- Perforated belt design to suit container
- Version with hopper 1200 liter **mod. TR5**
- Version with 1,800-litre soil hopper **mod. TR5**
- Shuttle tray and pot denester **mod. A5**

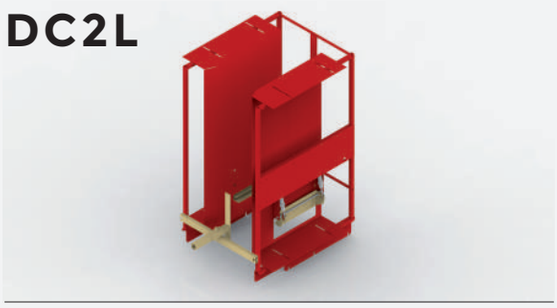
Technical drawing pag. 76

Filler accessories

DC2R

Denester for polystyrene containers and flats ready loaded with packs, width adjustable using handwheel.
Maximum container size: 600x400x80 mm

DC2L

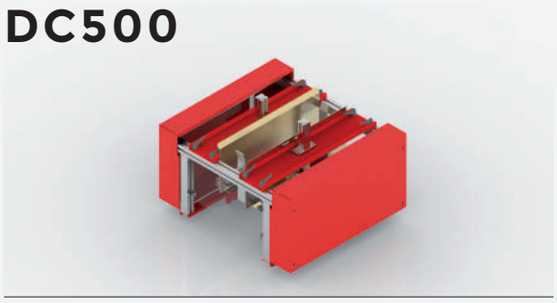


Denester for polystyrene containers and flats ready loaded with packs.
Maximum container size: 700x500x80 mm

DC2RT

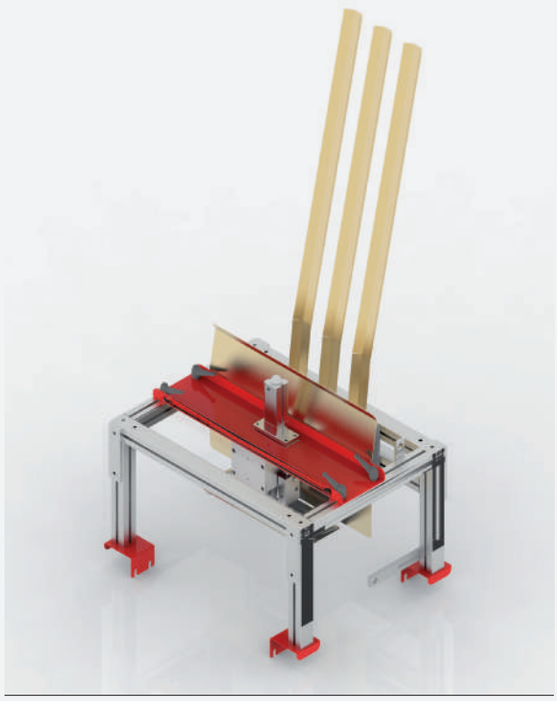
Denester for polystyrene containers and flats ready loaded with packs, width adjustable using handwheel.
Maximum container size: 600x400x80 mm

DC500



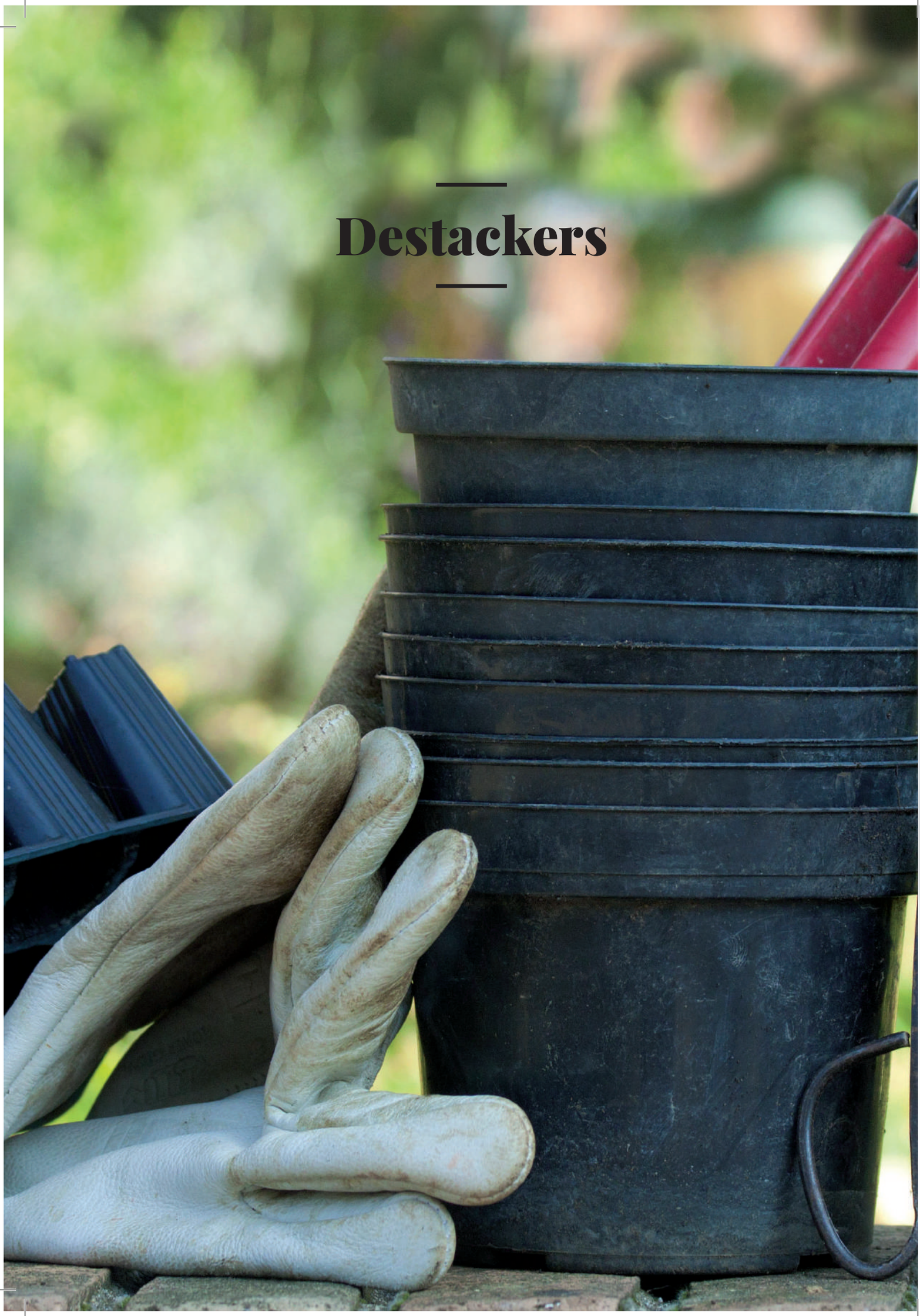
Automatic denester for thermoformed containers (shuttle trays, seed trays, etc...).
Maximum container size: 600x400x80 mm

DV500



Automatic denester for plastic pots for transfer to shuttle tray.
Pot diameter range: 8 to 11 cm

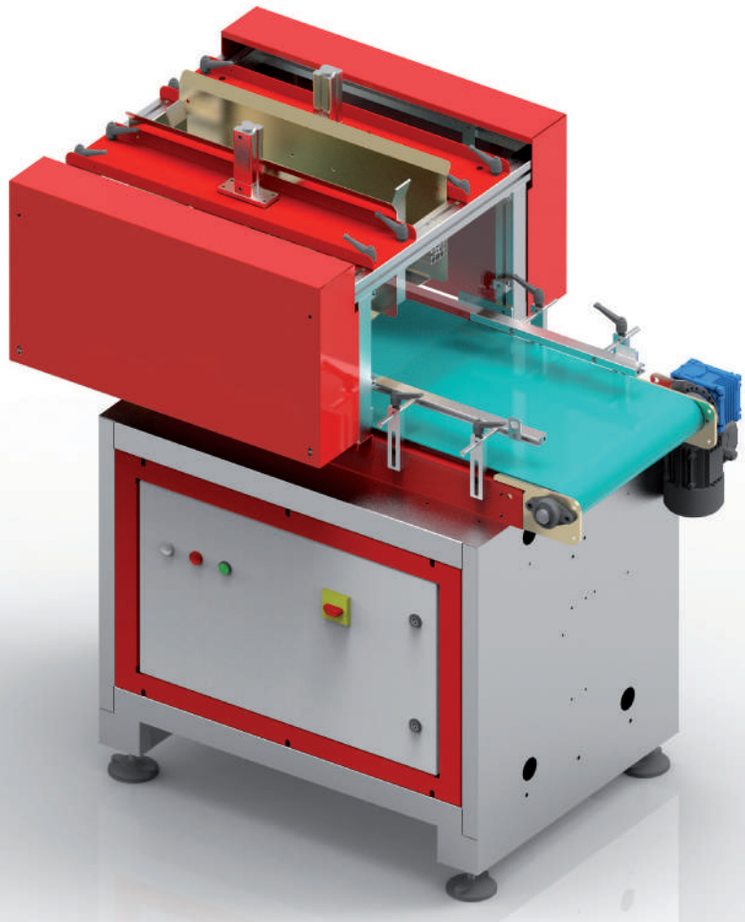
Destackers



MAXIMUM TRAY SIZE	DESTACKER RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
600x400x80 mm	400/1200 trays/hour	0.5 kW, 400 V 3PH+N+E, 50 Hz	50/100 l/min	180 kg

Destacker

A5-1



DESCRIPTION

Electronically controlled denester for thermoformed containers.
This machine can be paired directly with seeding or transplanting lines.

STANDARD MACHINE CONFIGURATION

- Supporting frame with conveyor belt
- Denester for thermoformed containers **mod. DC5**

OPTIONS

- Polystyrene seed tray denester **mod. DC2L**
- Polystyrene seed tray denester **mod. DC2R**
- Polystyrene seed tray denester **mod. DC2R-T**

Technical drawing pag. 76

MAXIMUM TRAY SIZE

600x400x80 mm

ROUND POT DIAMETER

from 8 to 14 cm max

MAXIMUM PACK SIZE

200x200x80 mm max

DESTACKER RATE

400/800 trays/hour

INSTALLED POWER

0.5 kW, 400 V
3PH+N+E, 50 Hz

AIR CONSUMPTION

100/200 l/min

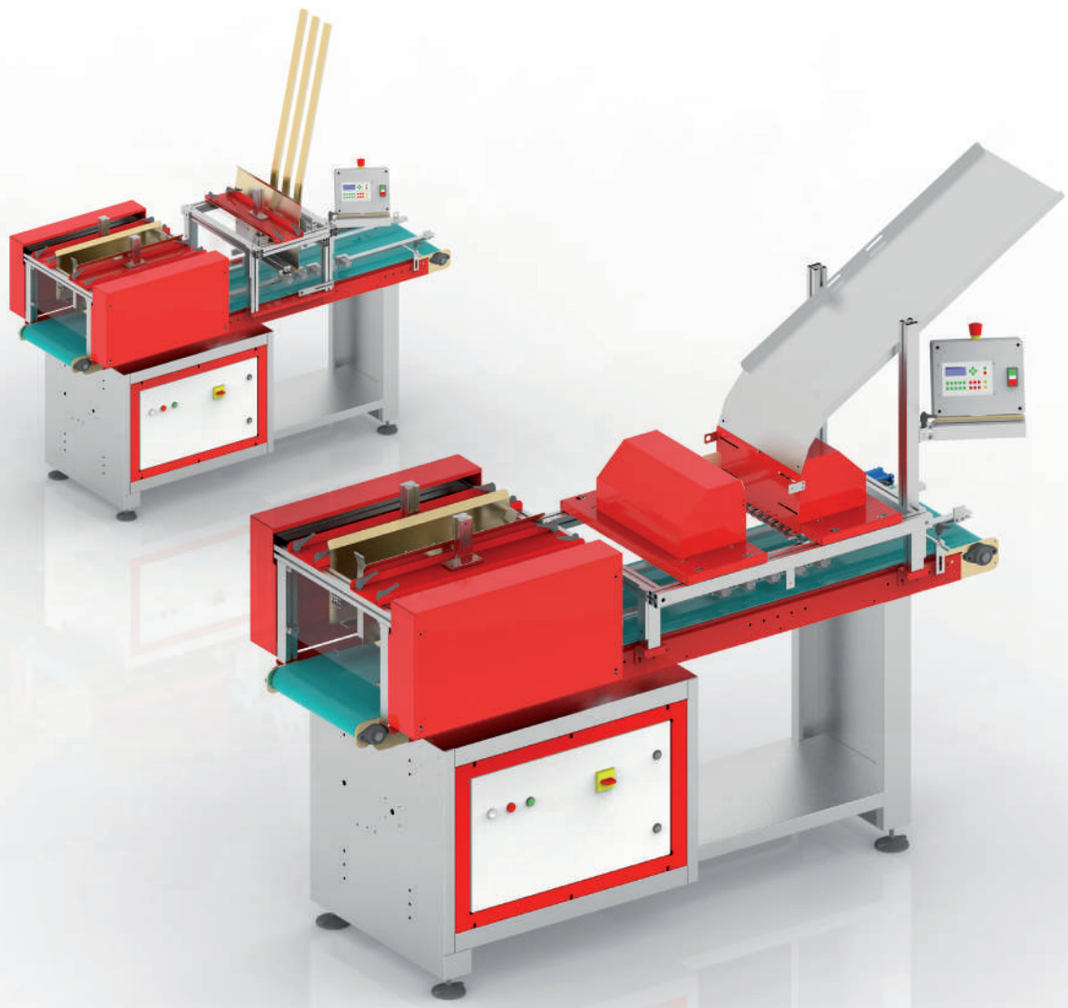
WEIGHT

300 kg

Destacker

A5

PACKS - POTS



DESCRIPTION

Electronically controlled denester designed to insert packs/pots in the relevant shuttle tray. It has mechanical locating devices to ensure perfectly centring on each incoming tray.
This machine can be paired directly with seeding or transplanting lines.

STANDARD MACHINE CONFIGURATION

- Denester for thermoformed shuttle trays
- Pack denester/inserter

OPTIONS

Belt connecting to cleated fillers **mod. R2**
- Denester for polystyrene shuttle trays
- Long-frame version with dual pack denester/inserter
- Packs/pots

Technical drawing pag. 77

MAXIMUM TRAY SIZE

600x400x80 mm

ROUND POT DIAMETER

from 8 to 14 cm max

MAXIMUM PACK SIZE

200x200x80 mm max

DESTACKER RATE

400/800 trays/hour

INSTALLED POWER

0.5 kW, 400 V
3PH+N+E, 50 Hz

AIR CONSUMPTION

100/200 l/min

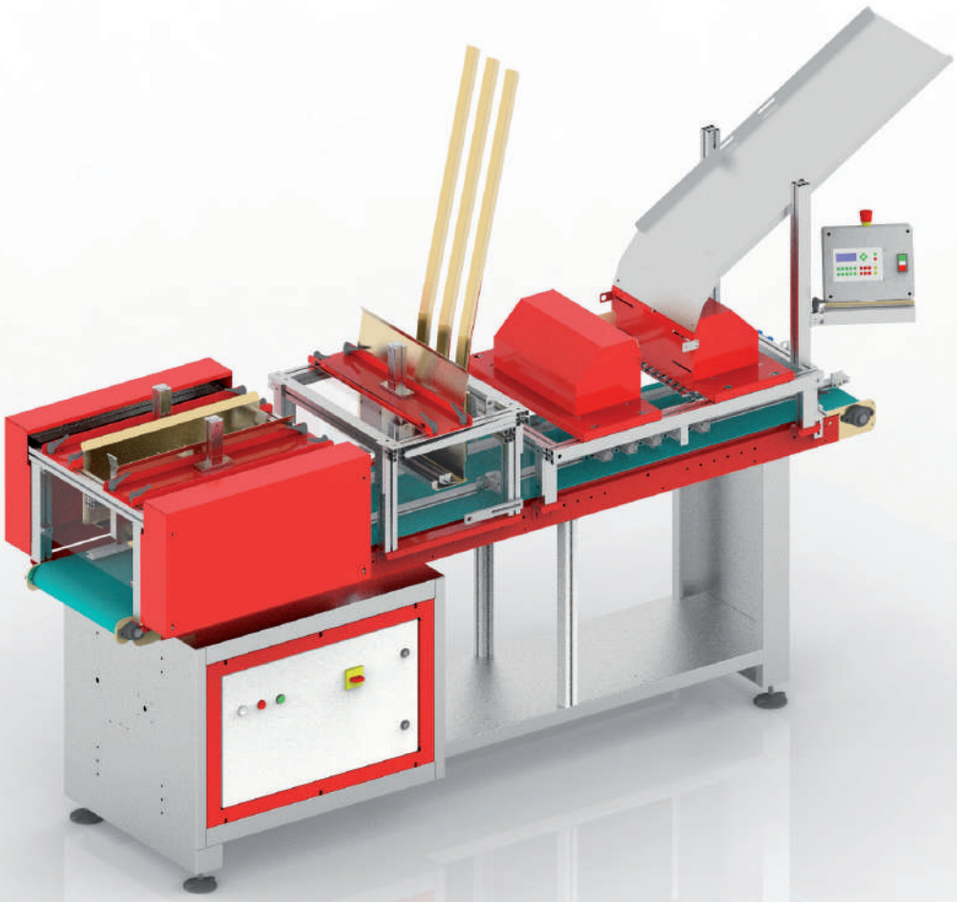
WEIGHT

410 kg

Destacker

A5

POTS & PACKS



DESCRIPTION

Electronically controlled denester designed to insert pots or packs in relevant shuttle trays. It has mechanical locating devices to ensure perfectly centring on each incoming tray.
This machine can be paired directly with seeding or transplanting lines.

STANDARD MACHINE CONFIGURATION

• Denester for thermoformed shuttle trays

OPTIONS

• Belt connecting to cleated fillers **mod. R2**
• Pot denester/inserter
• Pack denester/inserter
• Pots
• Packs

Technical drawing pag. 77

MAXIMUM TRAY SIZE

600x400x80 mm

ROUND POT DIAMETER

from 8 to 14 cm max

DESTACKER RATE

600/1000 trays/hour

INSTALLED POWER

0.5 kW, 400 V
3PH+N+E, 50 Hz

AIR CONSUMPTION

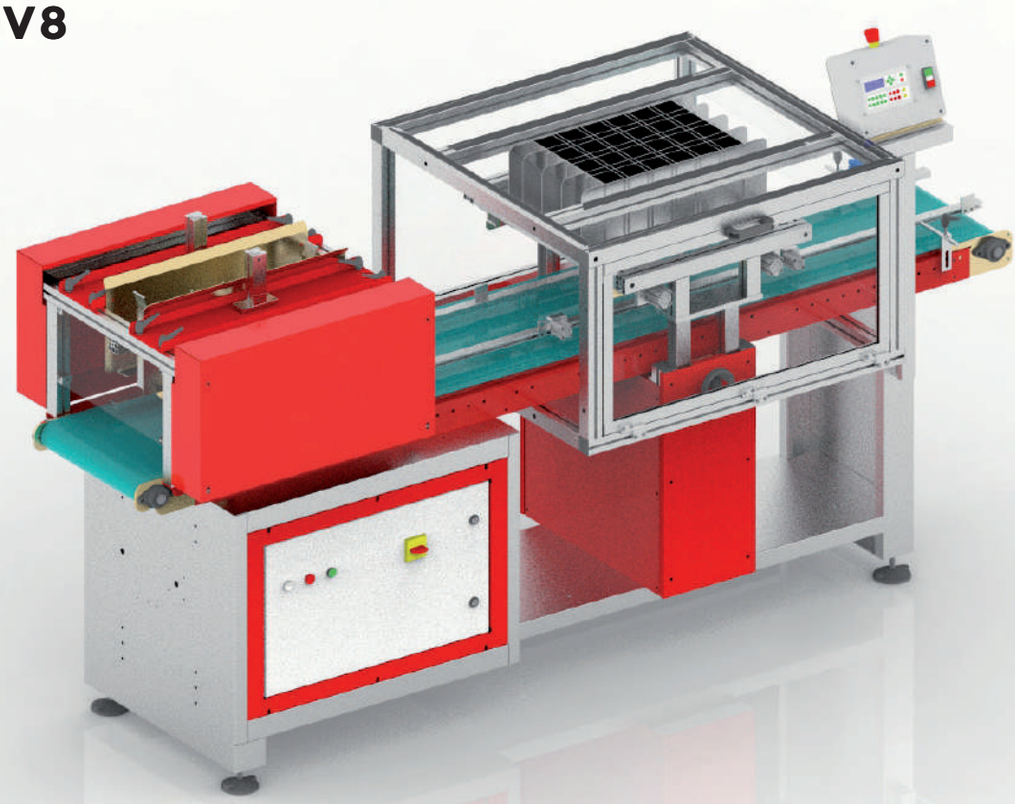
100/200 l/min

WEIGHT

350 kg ca.

Destacker
A5-DV8

POTS



DESCRIPTION

Electronically controlled denester designed to insert all pots in the relevant shuttle tray in a one-step operation. It has mechanical locating devices to ensure containers are perfectly centred.
The pot store lowers towards the shuttle tray as the pots are inserted.
This machine can be paired directly with seeding or transplanting lines.

STANDARD MACHINE CONFIGURATION

- Denester for thermoformed shuttle trays
- Pot denester/inserter **mod. DV8**

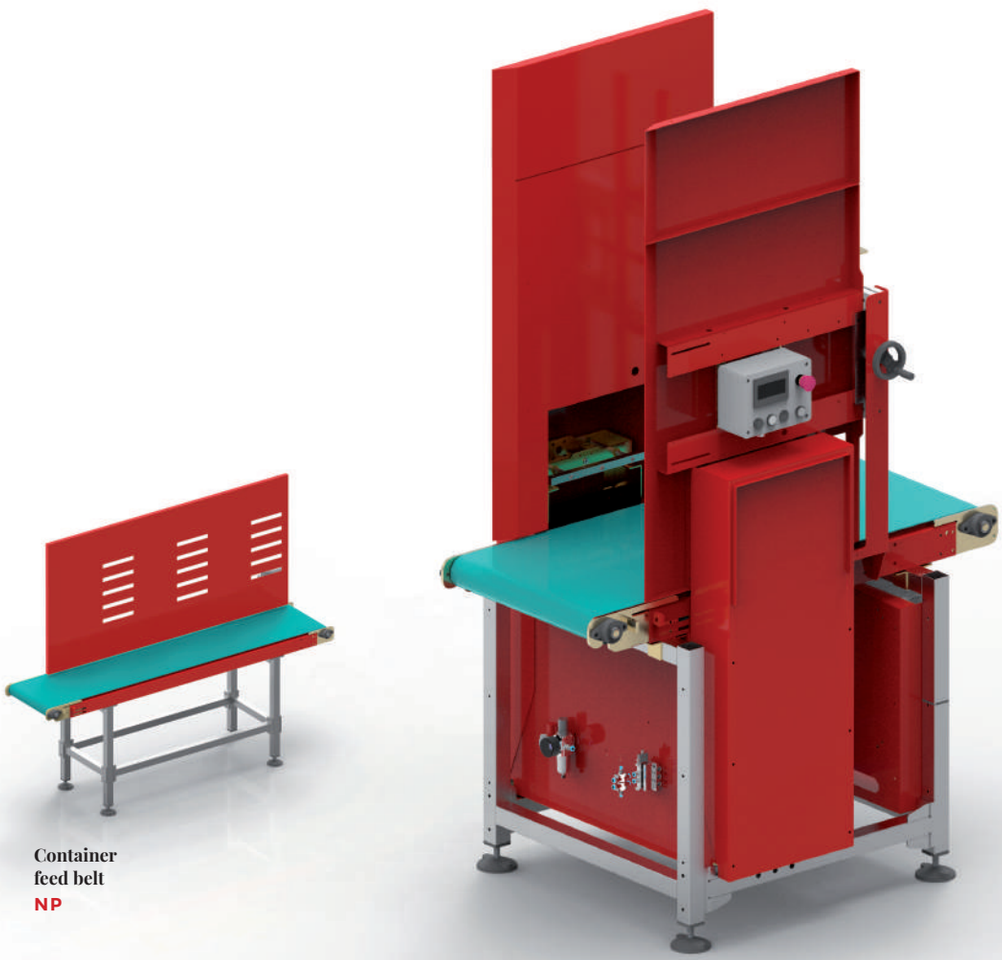
OPTIONS

- Belt connecting to cleated fillers **mod. R2**
- Pot store designed to suit pot diameter and number
- Long-frame version with dual pot store

Technical drawing pag. 78

MAXIMUM TRAY SIZE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
700x500x180 mm	3PH+N+E 50Hz	50/100 l/min	260 kg

Destacker
DP5



Container
feed belt
NP

DESCRIPTION

Electronically controlled denester for polystyrene or heavy plastic containers, ideal for use in conjunction with a stacked container feed belt.
This machine can be paired directly with seeding or transplanting lines.

STANDARD MACHINE CONFIGURATION

- Supporting frame with conveyor belt
- Electric stack handling system

OPTIONS

- Feed belt **mod. NP**
- Denester walls adjustable using handwheel

Technical drawing pag. 78

Labelling

MAXIMUM TRAY SIZE

600x400x80 mm

MAXIMUM PACK SIZE

200x200x80 mm

LABEL SIZE

from 25x25
to 100x40 mm

LABELLING RATE

200/600 trays/hour

INSTALLED POWER

1.2 kW, 400 V
3PH+N+E, 50 Hz

AIR CONSUMPTION

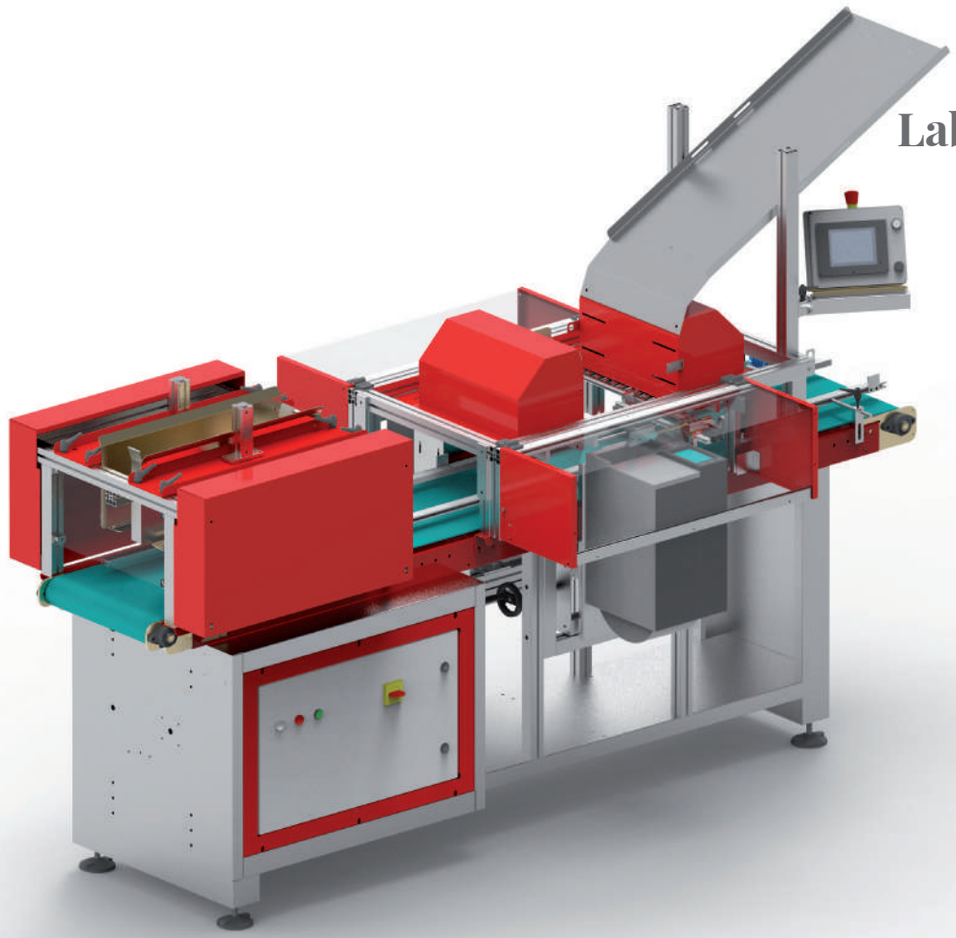
100/200 l/min

WEIGHT

450 kg

Labelling machine

A6-2



DESCRIPTION

Electronically controlled denester/labelling machine designed to insert packs in their relevant container. It is electropneumatically operated and features mechanical locating devices for positioning the container. The label is attached to the last pack in the stack before it is inserted in the flat. The labels' graphic layout can be programmed directly from the machine's touchscreen, without the aid of a PC or keypad, entering the text comprising various fixed or variable fields, while also handling barcodes.
With its high production rate and electronic speed control, this machine can feed seeding or transplanting lines, thus doing away with the need to handle and store containers.

STANDARD MACHINE CONFIGURATION

- Container conveyor belt with locating devices
- Container denester
- Pack denester
- 2 x thermal transfer printers
- 2 x applicators for attaching labels to pack

OPTIONS

- Connecting belt (for cleated filler) **mod. R2**
- Stacker with belt **mod. IN**
- System for unloading stacks onto roller table **mod. SSP**
- Offload roller table **mod. RS**

Technical drawing pag. 79

MAXIMUM TRAY SIZE

600x400x80 mm

MAXIMUM PACK SIZE

200x200x80 mm

LABEL SIZE

da 25x25
a 100x40 mm

LABELLING RATE

200/600 trays/hour

INSTALLED POWER

1,5 kW, 400 V, 3F+N+T, 50 Hz

AIR CONSUMPTION

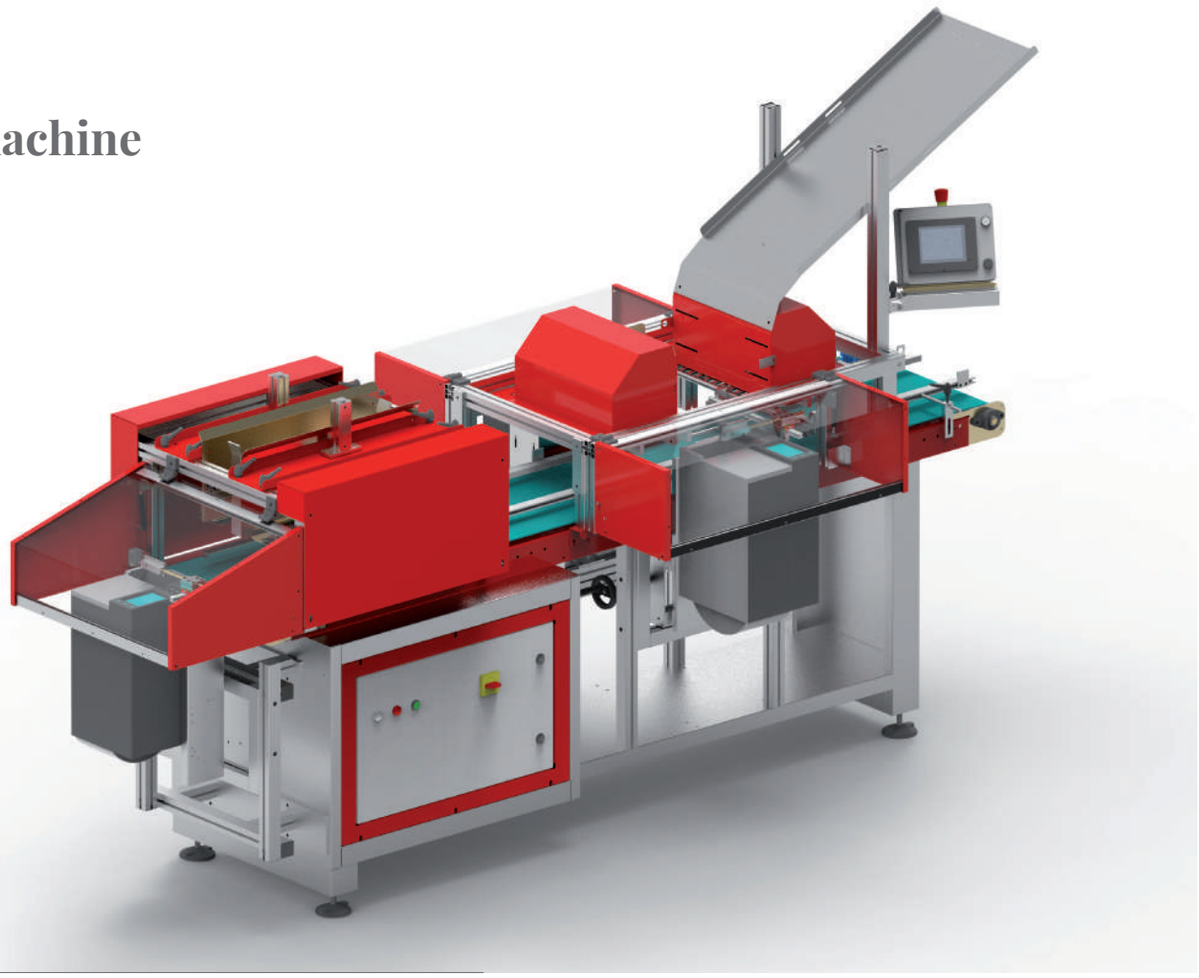
100/300 L/min

WEIGHT

510 kg

Labelling machine

A6-3



DESCRIPTION

De-stacker / labeling machine with electronic management suitable for inserting trays in the relative container. Its operation is electro-pneumatic and the position of the container is given by mechanical stops. The label is applied to the last container of the stack before being positioned on the belt and on the last tray of the stack before being inserted into the cassette.
The graphic setting of the labels can be performed directly on the touch screen of the machine, without the aid of a PC or Keypad, by entering the text consisting of various fixed or variable fields in addition to the management of the bar code. Given its high production and electronic speed control, this machine can feed sowing or transplanting lines, thus eliminating the handling of containers and their storage.

STANDARD MACHINE CONFIGURATION

- Container conveyor belt with locating devices
- Container denester
- Pack denester
- 3 x thermal transfer printers
- 3 x applicators for attaching labels to pack

OPTIONS

- Connecting belt (for cleated filler) **mod. R2**
- Stacker with belt **mod. IN**
- System for unloading stacks onto roller table **mod. SSP**
- Offload roller table **mod. RS**

Technical drawing pag. 76

	LABEL SIZE	LABELLING RATE	INSTALLED POWER	AIR CONSUMPTION	WEIGHT
EV2C	from 25x25 mm to 110x50 mm	100/1000 labels/hour	0.5 kW, 230 V Single Phase, 50 Hz	100/200 l/min	100 kg

	LABEL SIZE	LABELLING RATE	INSTALLED POWER	WEIGHT
EV2V	from 25x25 mm to 60x40 mm	500/4000 labels/hour	0.2 kW, 230 V Single Phase, 50 Hz	90 kg

Labelling machine

EV2C

DESCRIPTION

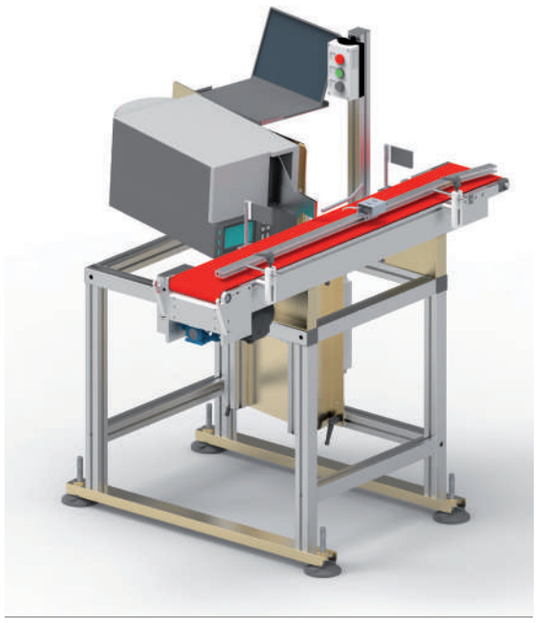
Electronically controlled machine that allows you (by means of a thermal transfer printer) to create labels to be attached to containers due to be denested.
A combination of versatile programming, use of a touchscreen, no need for a PC and easy settings means the labelling machine can be adjusted quickly to suit different container types, while also allowing you to store numerous types of label with different graphic inputs (text, handling fixed or variable fields, barcodes).

STANDARD MACHINE CONFIGURATION

- Height-adjustable supporting frame
- Thermal transfer printer
- Applicators for attaching labels to containers

Labelling machine

EV2V



DESCRIPTION

Belt with thermal transfer printer that prints and attaches labels on pots fed through the machine.
A combination of versatile programming, use of a touchscreen, no need for a PC and easy settings means the labelling machine can be adjusted quickly to suit different pot types, while also allowing you to store numerous types of label with different graphic inputs (text, handling fixed or variable fields, barcodes).

STANDARD MACHINE CONFIGURATION

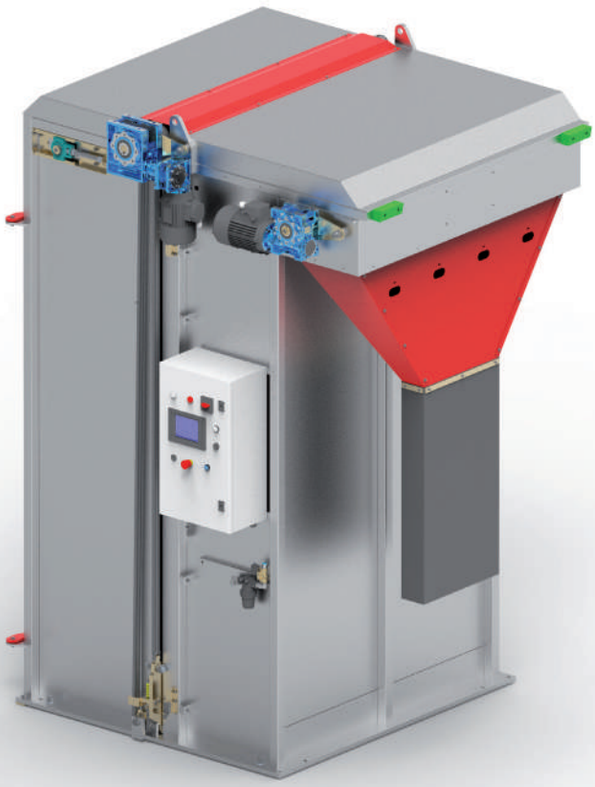
- Height-adjustable supporting frame with conveyor belt
- Thermal transfer printer
- Applicator for attaching labels on pots fed through the machine

Substrate Handling

MAXIMUM BIG BALE SIZE	THROUGHPUT	INSTALLED POWER	WEIGHT
1200x1150x2400/2650 mm	5 cycles/hour	2.7 kW, 400 V 3PH+N+E, 50 Hz	1350 kg

Peat Bale Breaker

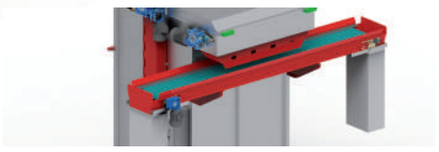
CT2



Double fertilizer dispenser
GRGD

Fertilizer dispenser
GRG

Watering unit



Belt for connecting two hoppers

DESCRIPTION

Vertical system for breaking up/processing compressed Big Bales of peat and automatically supplying (via electronic control system) the resulting media to seeding, transplanting, potting and soil blocking lines.
The Big Bale can be positioned simply using a pallet truck of forklift.

STANDARD MACHINE CONFIGURATION

- Moving pallet deck
- Cleated chain conveyors
- Discharge chute with level sensor
- Doors with safety sensor
- Control panel with programming touch screen

OPTIONS

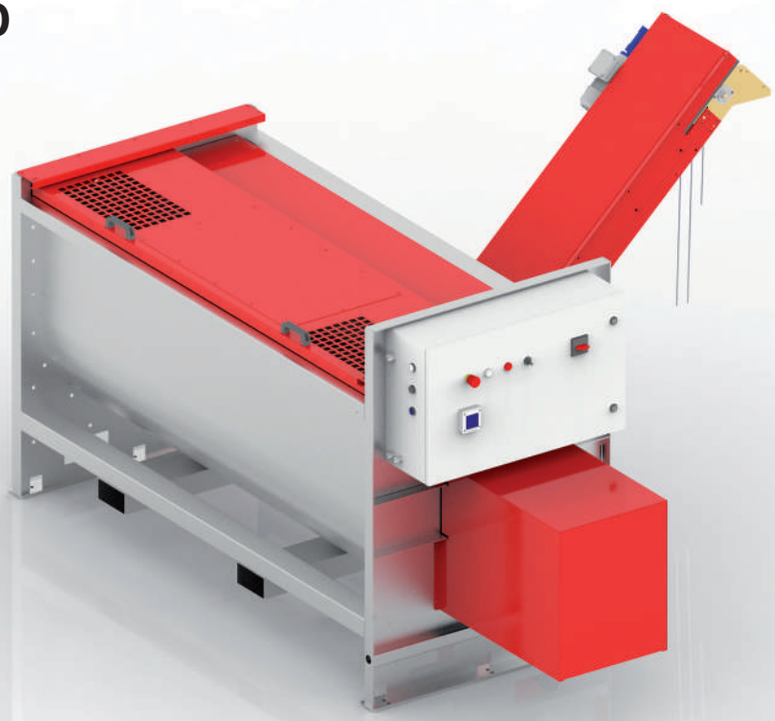
- Watering unit
- Single or double granular fertilizer dispenser **mod. GRG or GRGD**
- Belt for supplying a number of machines **mod. NSC**
- Euro-pallet adaptors with discharge mouth **mod. BS**

Technical drawing pag. 79

TANK CAPACITY	MIXING TIME	INSTALLED POWER	WEIGHT
1 m^3	from 3 to 5 min	4.7 kW, 400 V 3PH+E, 50 Hz	740 kg

Mixer

MX1000



DESCRIPTION

Mixing tank designed to mix peat and soil with fertilizers, polystyrene, agricultural perlite, pumice, expanded clay, etc. into soft, homogeneous mixes suitable for growing purposes.
The machine has been designed and built to quickly (3-5 min.) moisten the mix and supply it to other machines (soil blockers, potting machines, fillers, etc.).

STANDARD MACHINE CONFIGURATION

- Mixing tank
- Watering nozzles
- Outfeed belt with sensors
- Control panel with programming touch screen

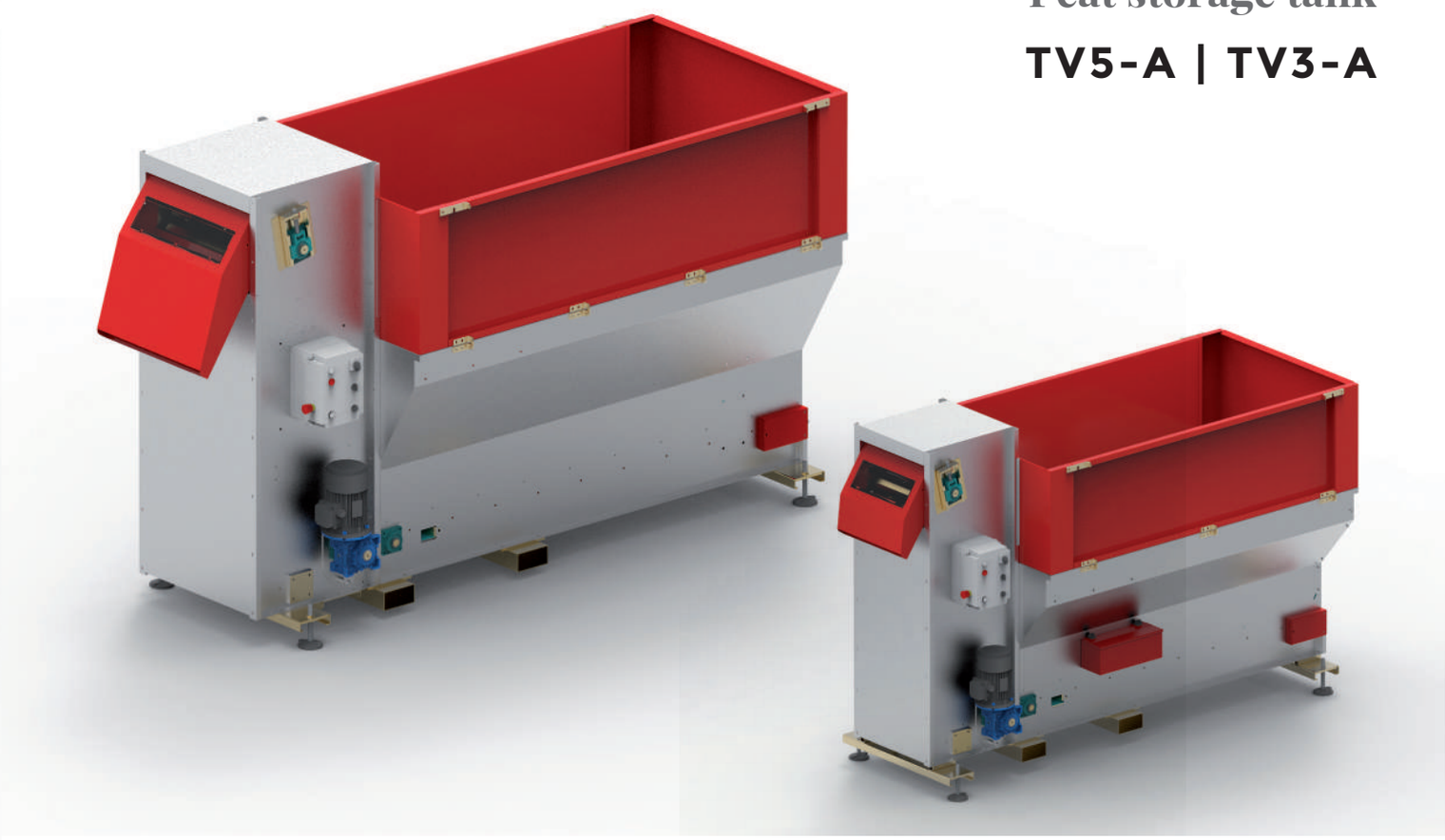
OPTIONS

- Wheels and lever for manoeuvring **mod. SETMX2**
- Pedal for manual outfeed **mod. DRPX10110**
- Funnel for loading from CT2

	PEAT FILLING RATE	HOPPER CAPACITY	INSTALLED POWER	WEIGHT
TV5-A	250 l/min	3000 l	1.1 kW, 400 V, 3PH+N+E, 50 Hz	750 kg
TV3-A	100 l/min	2000 l	1.1 kW, 400 V, 3PH+N+E, 50 Hz	500 kg

Peat storage tank

TV5-A | TV3-A



DESCRIPTION

Peat storage hopper with 2,000/3,000-litre tank complete with sensor for automatic emptying and dual opening side walls for easier loading, even allowing for use of a mechanical shovel.

STANDARD MACHINE CONFIGURATION

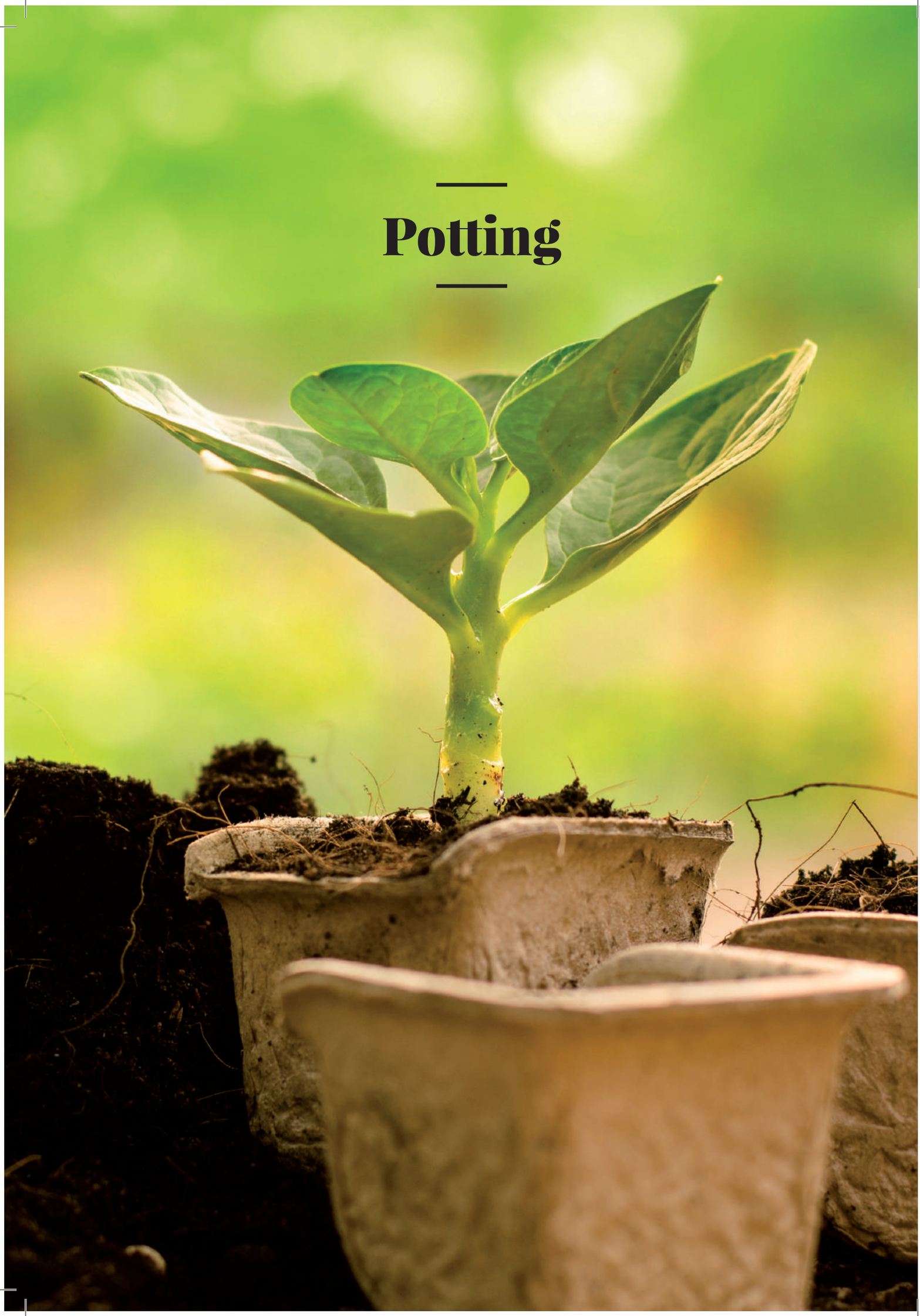
- Storage tank
- Discharge chute
- Wheels for moving short distances

OPTIONS

- Wheels for moving short distances
- Unloading pedal **mod. DRPX10110**

Technical drawing pag. 80/81

Potting



ROUND
POT DIAMETER

mod. I5 from 10 to 24 cm
mod. I6 from 10 to 14 cm

SQUARE
POT SIZE

mod. I5 from 8 to 24 cm
mod. I6 from 8 to 14 cm

POTTING
RATE

from 1000 to 4000 pots/hour -single pot-
from 2000 to 6500 pots/hour -double pot-

HOPPER
CAPACITY

750/1000/1500 l

TRANSPLANT
BELT LENGTH

3 m

INSTALLED
POWER

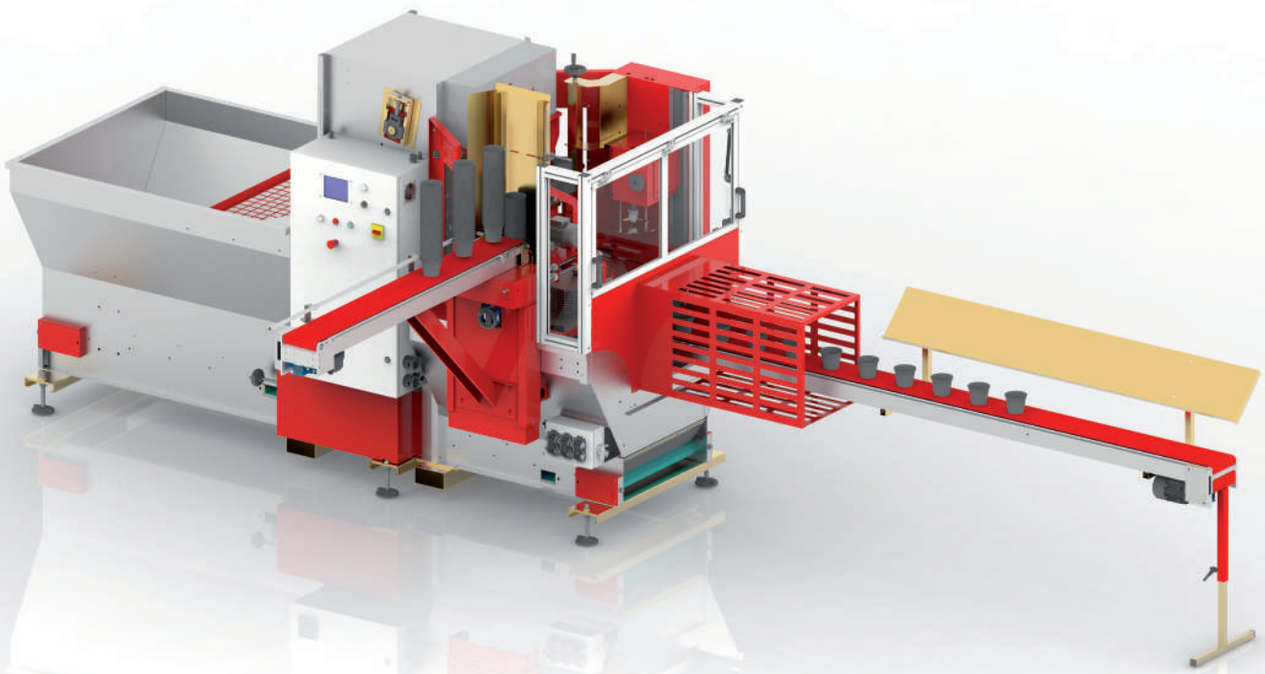
3.5 kW, 400 V
3PH+N+E, 50 Hz

WEIGHT

1.150 kg

Potting machine

I5



DESCRIPTION

Fully electronic high-productivity machine featuring a colour touchscreen control panel for automatic setting of potting and transplant speed, peat quantity, and drill direction and depth.
Transplant belt can be positioned to work in three directions.

STANDARD MACHINE CONFIGURATION

- 1,000-litre hopper with peat-low alarm
- 1.6m-long pot loading belt
- Pot denester with pots-low alarm
- Motor-driven rotating pot cleaning paddle
- Transplant hole drill
- 16- or 8-station pot indexing disc
- Pot take-off and 3m-long transplant belt

OPTIONS

- 1.2-2.0-2.6m-long pot loading belt
- 750- or 1,500-litre peat filling hopper
- Pot indexing discs for different sized pots
- Wheels for moving short distances
- Electrically controlled pot denester
- Double pot version **mod. 16**

Technical drawing pag. 81

ROUND
POT DIAMETER

from 8 to 22 cm

SQUARE
POT SIZE

from 7 to 15 cm

POTTING
RATE

from 500 to 3000 pots/hour

HOPPER
CAPACITY

650/1000 l

TRANSPLANT
BELT LENGTH

3 m

INSTALLED
POWER

2.3 kW, 400 V
3PH+N+E, 50 Hz

AIR
CONSUMPTION

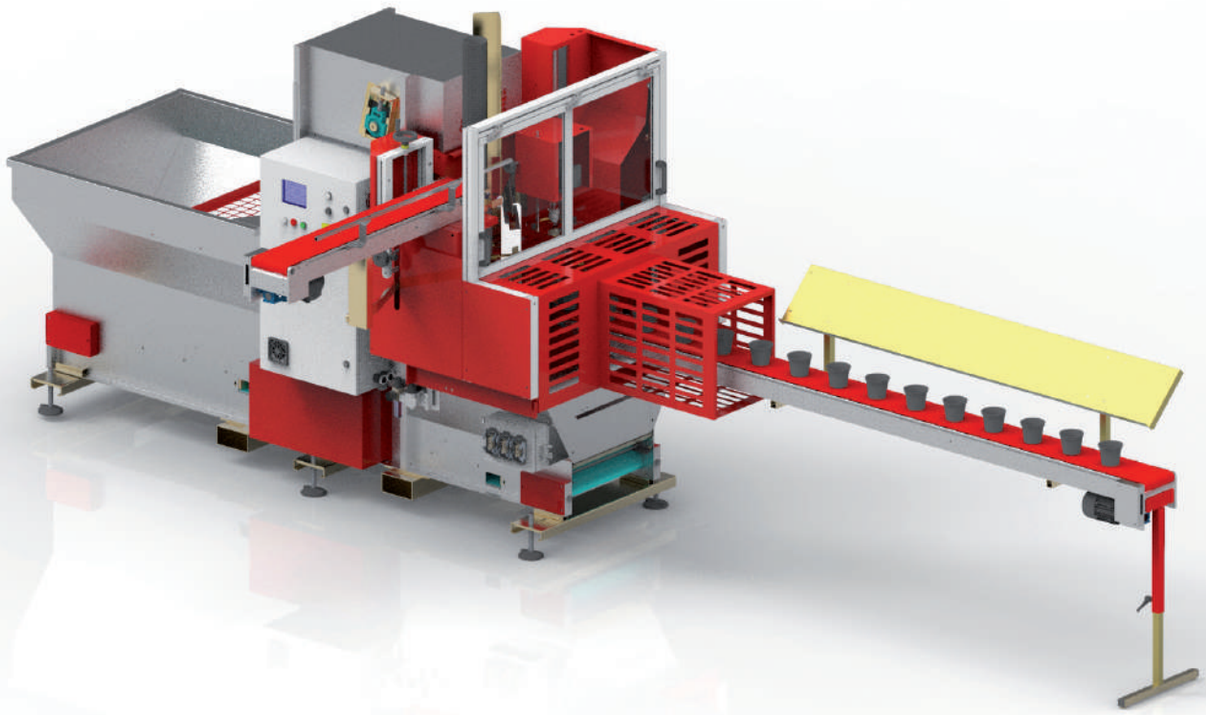
25/50 l/min

WEIGHT

750 kg

Potting machine

13-E



DESCRIPTION

Electronic machine featuring a colour touchscreen control panel for automatic setting of potting and transplant speed, peat quantity, and drill direction and depth. Transplant belt can be positioned to work in three directions.

STANDARD MACHINE CONFIGURATION

- 650-litre hopper
- Pneumatic pot denester
- Pot indexing disc
- Transplant hole drill
- 4- or 8-station potting carousel
- Pot take-off and 3m-long transplant belt
- Sensor that detects the lack of pots

OPTIONS

- Pot loading belt
- 1,000-litre peat filling hopper
- Peat-low sensor
- Pots-low sensor
- Sides that can be opened 2000l
- Wheels for small movements

Technical drawing pag. 82

ROUND
POT DIAMETER

from 8 to 22 cm

SQUARE
POT SIZE

from 7 to 15 cm

POTTING
RATE

500/2500 pots/hour

HOPPER
CAPACITY

650/1800 l

TRANSPLANT
BELT LENGTH

3 m

INSTALLED
POWER

2.2 kW, 400 V, 3PH+E, 50 Hz

AIR
CONSUMPTION

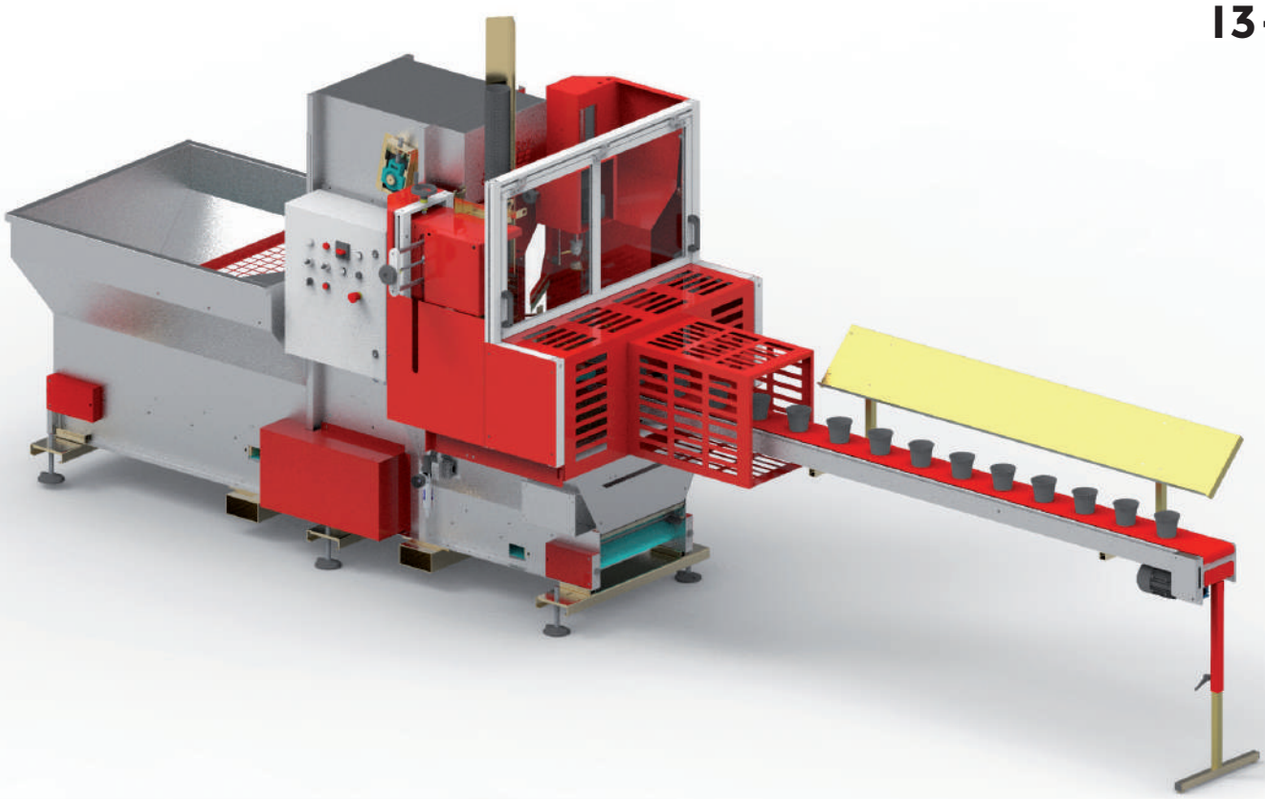
80/150 l/min

WEIGHT

530/630 kg

Potting machine

13-P



DESCRIPTION

Electropneumatic machine designed to fill plastic pots loaded automatically by the denester onto the rotating head, performing the following operations: filling, dibbling and take-off onto the transplant belt. Machine speed and peat quantity can be adjusted, thus setting the right fill density.
Easy settings mean the machine can be adjusted quickly to suit different pot types. The transplant belt can work in three directions, making it easy to position the machine in any workplace.

STANDARD MACHINE CONFIGURATION

- 650-litre hopper
- Pneumatic pot denester
- 4 station potting carousel
- Rotating dibbler
- Expeller pneumatic pot

OPTIONS

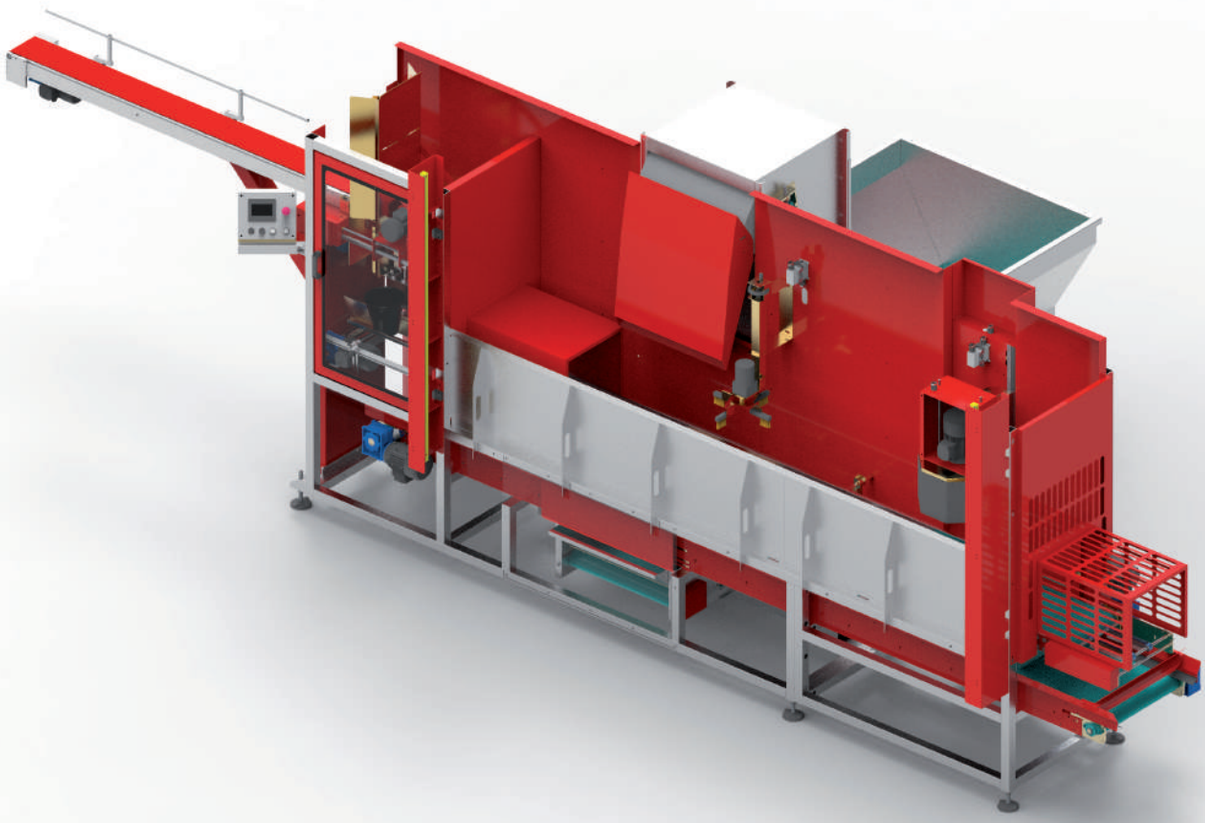
- Pot loading belt
- 1,000-litre pot filling hopper
- Sides that can be opened 2000l
- Wheels for small movements

Technical drawing pag. 82

MAXIMUM POT SIZE	POTTING RATE	HOPPER CAPACITY	INSTALLED POWER	WEIGHT
from 15 to 30 cm	300/2000 pots/hour	750/1000/1500 l	2.5 kW, 400 V 3PH+N+E, 50 Hz	1.500 kg

Potting machine

LI5



DESCRIPTION

Fully electronically controlled line, designed to fill nursery pots, including transplanting of bare-root plants.
All settings - such as work speed and peat fill, drill depth and speed - can be made via the colour touchscreen control panel.

STANDARD MACHINE CONFIGURATION

- 1,000-litre hopper with peat-low alarm
- 1.6m-long pot loading belt
- Pot denester with pots-low alarm
- Motor-driven rotating pot cleaning paddle
- Transplant hole drill
- Peat return belt

OPTIONS

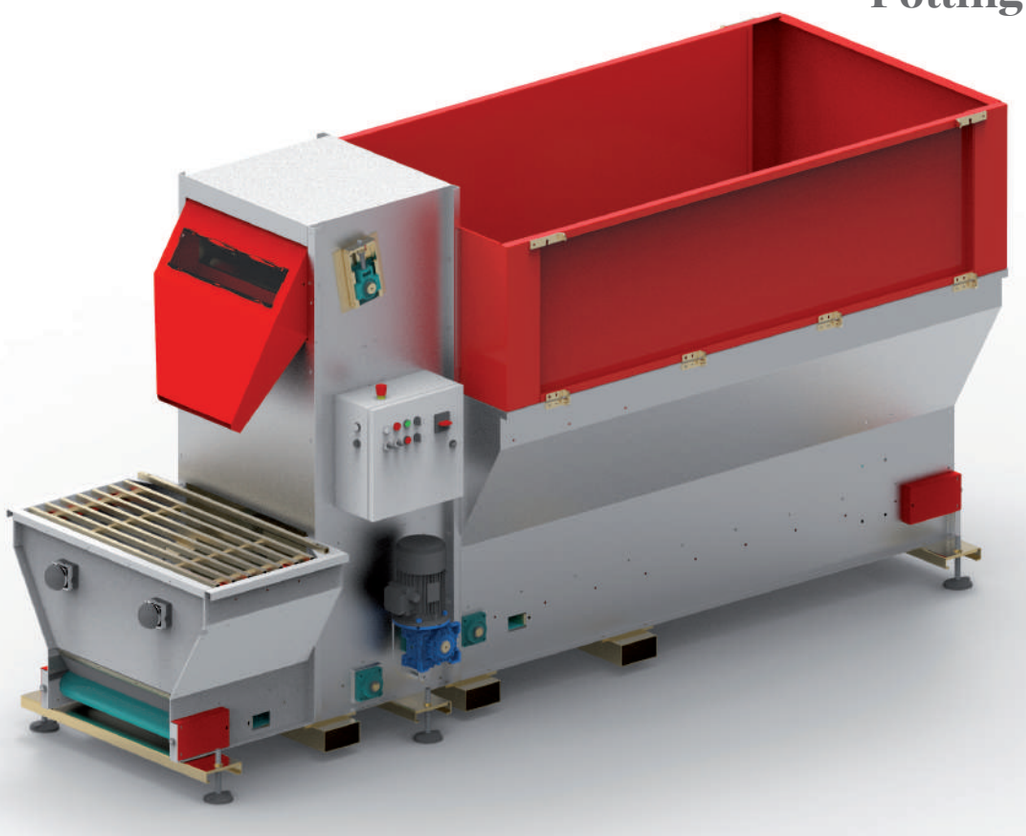
- 1.2-2.0-2.6 m long pot loading belt
- 750 or 1,500 litre peat filling hopper

Technical drawing pag. 83

MAXIMUM POT SIZE	PEAT DISCHARGE RATE	HOPPER CAPACITY	INSTALLED POWER	WEIGHT
from 10 to 40 cm	250 l/min of peat discharged	3000 l	1.6 kW, 400 V 3PH+N+E, 50 Hz	850 kg

Potting machine

TV5



Vibrating base
BVR

Roller table
R2BVR

DESCRIPTION

Machine designed to fill nursery pots (including large pots), featuring a discharge chute (double and single) and vibrating table.
With adjustable vibration intensity, soil can be compacted quickly and evenly.

STANDARD MACHINE CONFIGURATION

- 3,000-litre peat filling hopper
- Vibrating table with peat recycling hopper
- Single and double discharge chute

OPTIONS

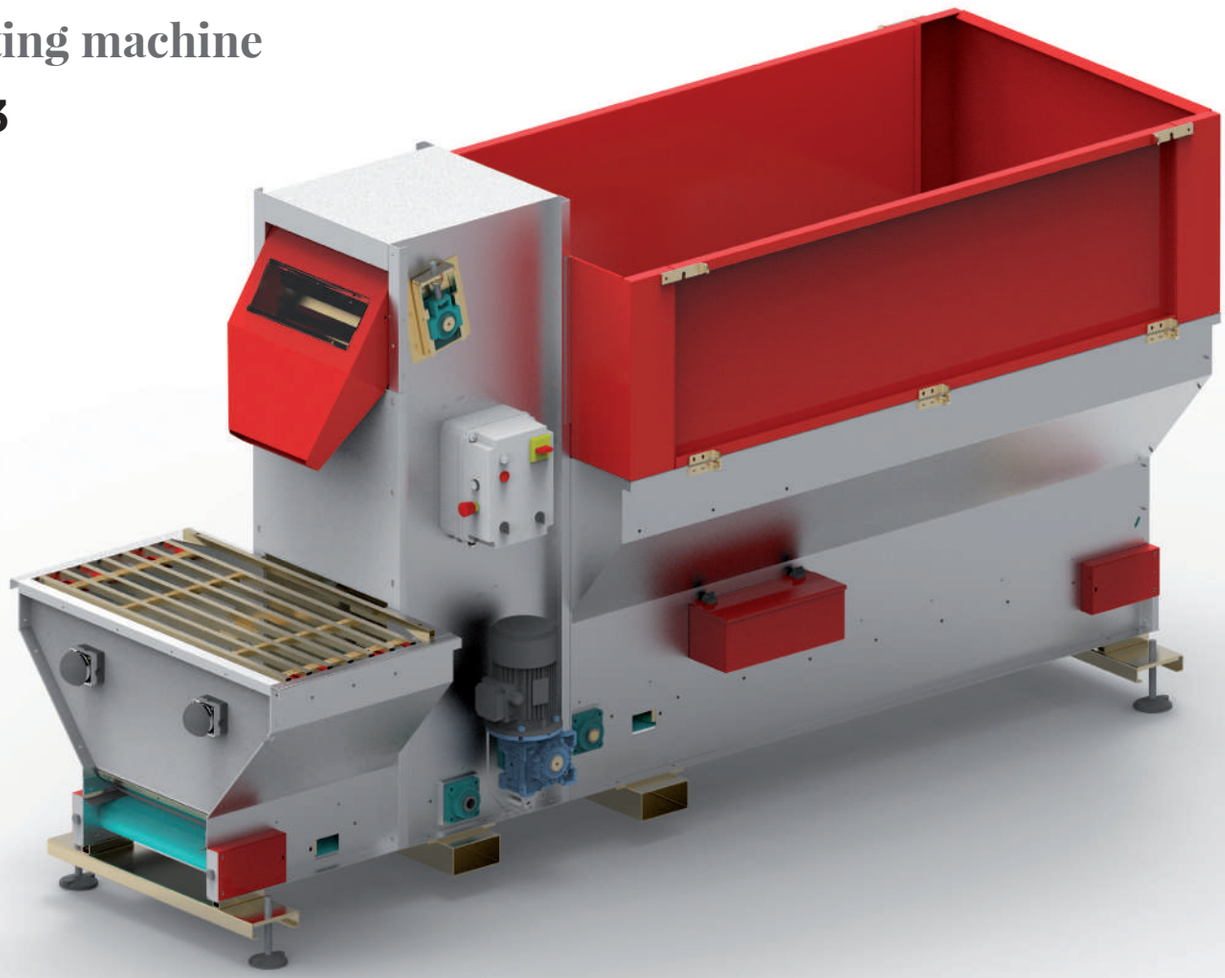
- Control pedal
- Vibrating base **mod. BVR**
- Roller table **mod. R2BVR**
- Extended outlet on vibrating base **mod. BS-5**
- Wheels for small movements **mod. RS**
- Rear tow hook

Technical drawing pag. 84

POT DIAMETER	PEAT DISCHARGE RATE	HOPPER CAPACITY	INSTALLED POWER	WEIGHT
from 10 to 35 cm	100 l/min	2000 l	1.6 kW, 400 V, 3PH+E, 50 Hz	600 kg

Potting machine

TV3



DESCRIPTION

Machine for filling nursery pots, featuring discharge chute (double and single) and vibrating table.
Designed to compact soil in the pot quickly and evenly.

STANDARD MACHINE CONFIGURATION

- 2000-litre peat filling hopper with discharge chute
- Vibrating table with peat recycling hopper
- Opening side walls on both sides

OPTIONS

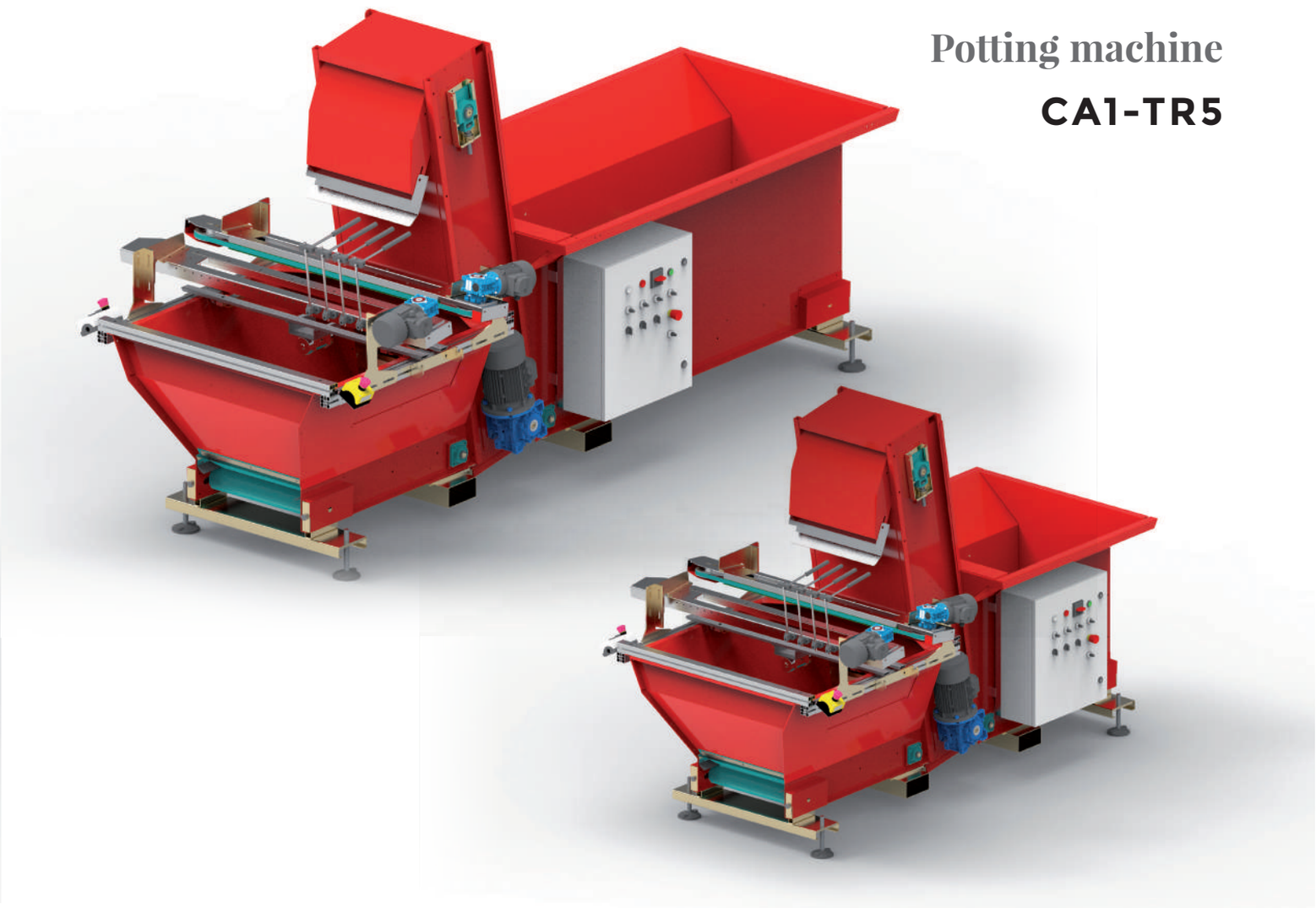
- Control pedal
- Vibrating base **mod. BVR**
- Extended outlet on vibrating base **mod. BS-3**
- Roller table **mod. R2BVR**
- Wheels for small movements **mod. R-TR**

Technical drawing pag. 84

POT DIAMETER	POTTING RATE	HOPPER CAPACITY	INSTALLED POWER	WEIGHT
from 14 to 26 cm	500/2500 pots/hour	700 l	1.6 kW, 400 V, 3PH+N+E, 50 Hz	450 kg

Potting machine

CA1-TR5



DESCRIPTION

Machine for distributing covering media (mulch) around potted plants. It features two motor-driven guides with a vibrating base and start/stop limit switch for distribution of the covering media.

STANDARD MACHINE CONFIGURATION

- 700-litre filling hopper
- Adjustable discharge chute
- Stationary base on adjustable feet

OPTIONS

- Wheels for small movements
- Hopper 450l **mod. TR5C**

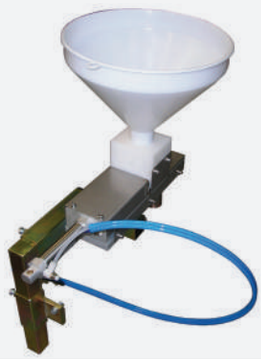
Technical drawing pag. 85

Potting machine accessories

T100

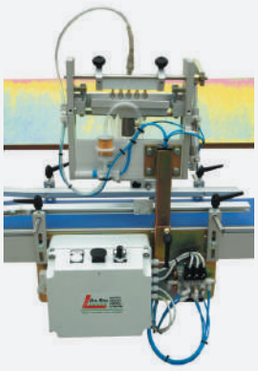
Temporary pot holding device.

D01



Blade dispenser with bushings of various diameters(15-20-25-30 mm) to dose the fertilizer to put in the pot.

S6



Bar seeder with mechanical stop
for placing seed in pots as they are fed through.

NB2-2

Watering belt for single pots to be connected to the outfeed of a potting machine, transplanter or conveyor belt line.

SV1

High-throughput bar seeder
for placing seed in pots as they are fed through.

Transplanting

MAXIMUM POT SIZE
ONE ROW

19 cm

MAXIMUM POT SIZE
TWO ROWS

14 cm

MAXIMUM DONOR
TRAY SIZE

700x500x130 mm

TRANSPLANT
RATE

800/1200 plants/hour
per gripper finger

NUMBER
OF FINGERS

between 3 and 10

INSTALLED
POWER

2 kW, 400 V, 3PH+N+E, 50 Hz

AIR
CONSUMPTION

50/120 l/min

WEIGHT

900 kg

Transplanter

TP-MT

DESCRIPTION

Electronically controlled transplanter designed to transplant into pots or trays.
It can be fitted with a maximum of 10 motor-driven gripper fingers featuring dual movement for even transplanting (the fingers enter the plug first and then pinch closed).
The gripper unit works in parallel with the container conveyor belt. Versatile programming and easy settings mean the machine can be adjusted quickly to suit all donor container types and all types of receiving pots, which are placed in the pot spacer. Regardless of the container/pot combination used, the software always ensures the seedling donor container is emptied completely and the receiving container is 100% filled.
Work speed, pick-up and transplant depth, seedling height and side pick-up are just some of the features that can be set straight from the colour touchscreen control panel without any machine downtime.
The machine can be fed by a potting machine or a filler.

STANDARD MACHINE CONFIGURATION

- Supporting frame
- Gripper finger boom
- Independent motor-driven gripper fingers featuring dual movement
- 700 mm donor container conveyor belt
- Receiving container or pot conveyor belt

OPTIONS

- Pot spacer

Technical drawing pag. 86

MAXIMUM DONOR TRAY SIZE

700x500x130 mm

TRANSPLANT RATE

800/1200 plants/hour per gripper finger

NUMBER OF FINGERS

up to 16

INSTALLED POWER

1.2 kW, 230 V Single Phase, 50 Hz

AIR CONSUMPTION

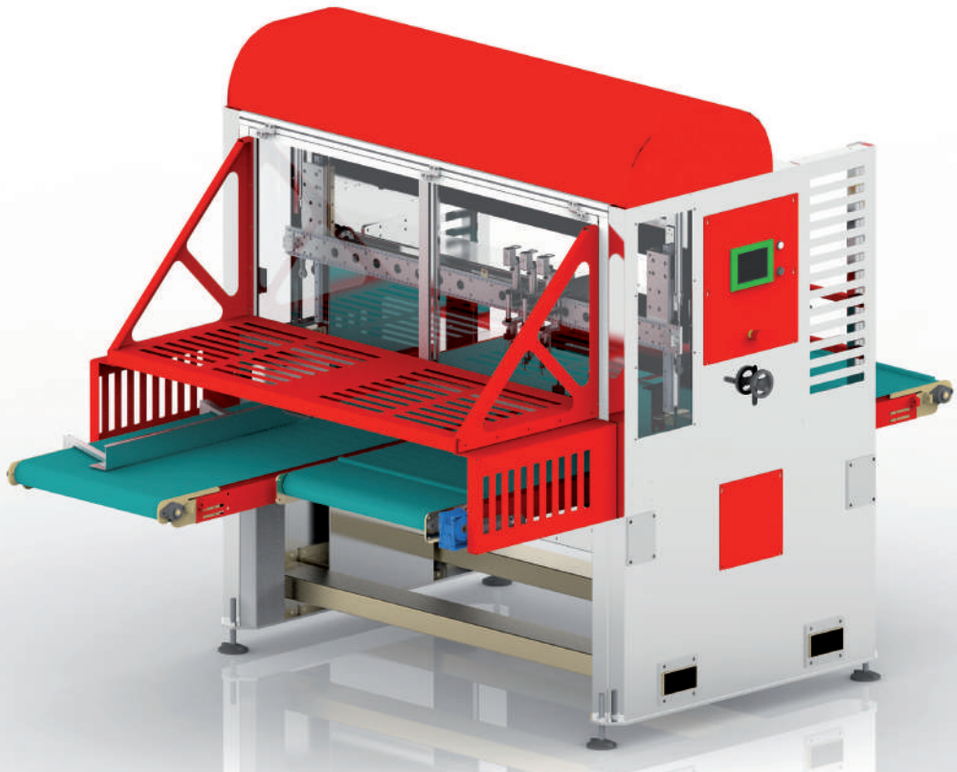
100 l/min at 6 bar

WEIGHT

820 kg

Transplanter

TP-M



DESCRIPTION

Electronically controlled transplanter designed to transplant into pots or trays.
It can be fitted with a maximum of 16 motor-driven gripper fingers featuring dual movement for even transplanting (the fingers enter the plug first and then pinch closed).
Versatile programming and easy settings mean the machine can be adjusted quickly to suit all donor container types and all types of receiving containers. Regardless of the combination used, the software always ensures the seedling donor container is emptied completely and the receiving container is 100% filled. Work speed, pick-up and transplant depth, seedling height and side pick-up are just some of the features that can be set straight from the touchscreen control panel without any machine downtime.
The machine can be fed by a filler.

STANDARD MACHINE CONFIGURATION

- Supporting frame
- Gripper finger boom
- Independent motor-driven gripper fingers featuring dual movement
- 700 mm wide donor container conveyor belt
- 700 mm wide receiving container conveyor belt
- Deck for collecting transplanted containers

Technical drawing pag. 86

MAXIMUM TRAY SIZE

600x400x130 mm

BELT LENGTH

2.3 - 3.3 - 4.3 - 5.3 - 6.3 m

WORK STATIONS

from 1 to 5

THROUGHPUT

130/500 trays/hour

INSTALLED POWER

0.37/0.9 kW, 230 V
Single Phase, 50 Hz

AIR CONSUMPTION

20/50 l/min

WEIGHT

180/280 kg

Transplant belt

NR

DESCRIPTION

Belt in different lengths featuring a (stationary or rotating) plate dibbling unit to help with the transplanting process, boosting operator productivity considerably. The containers' forward speed can be controlled electronically, while the number of work stations depends on belt length.
Replacing the dibbler plate allows the machine to handle various container types.

STANDARD MACHINE CONFIGURATION

- Container conveyor belt
- Pneumatic dibbling unit
- Work stations

OPTIONS

- Stationary or rotating dibbler plate
- Seedling donor container support **mod. PC1**

Technical drawing pag. 87

MAXIMUM TRAY SIZE

600x400x100 mm

INSTALLED POWER

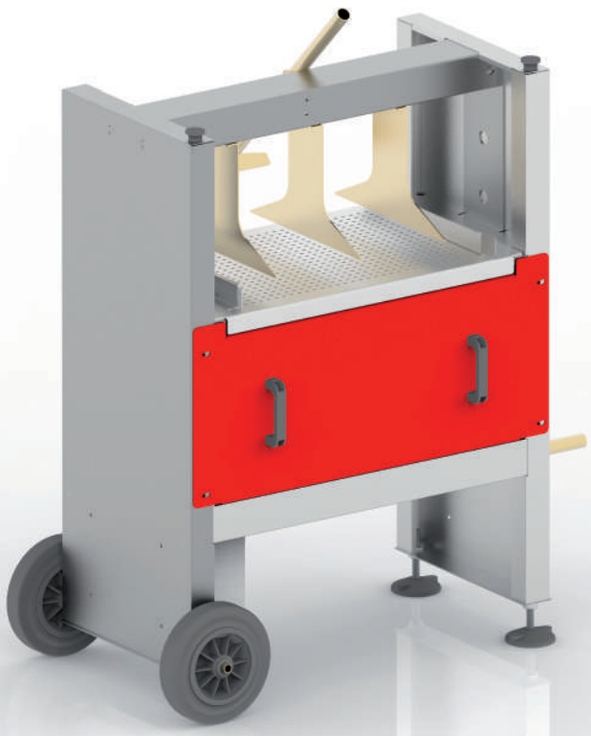
0.6 kW, 230 V
Single Phase, 50 Hz

WEIGHT

120 kg

Plug popper

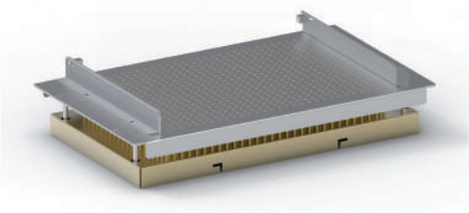
EPE



DESCRIPTION

Machine for pushing seedlings out of their containers. The operation takes place evenly and gradually, reducing damage to the seedlings' root system considerably thanks to the machine's electrically driven movement and its pin height adjustment.
The ease with which the container is inserted makes the EPE an extremely practical tool. Replacing the top plate (PE) allows the machine to accommodate various container types (max. size 600x400x100 mm).

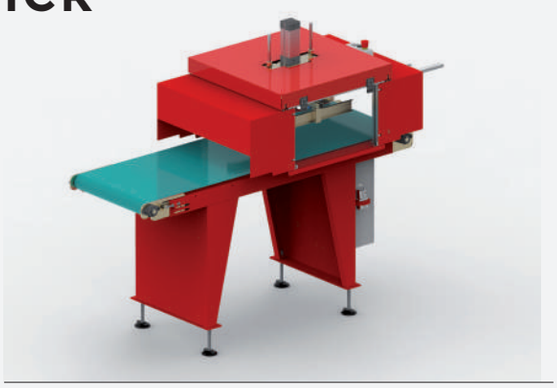
Popper plate
PE



Technical drawing pag. 87

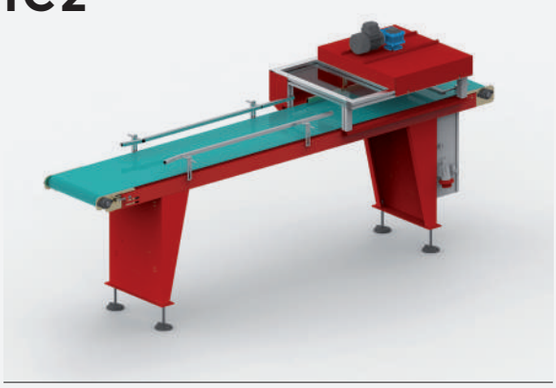
Transplant accessories

ICR



Belt with station for feeding a transplanter
with either the container laid straight or crosswise.
Runs off a 400 V, 3P+N+E, 50Hz supply,
with an installed power of 0.3kW.
Compressed air supply required.
Machine dimensions: 1800x800x1600 mm

IC2



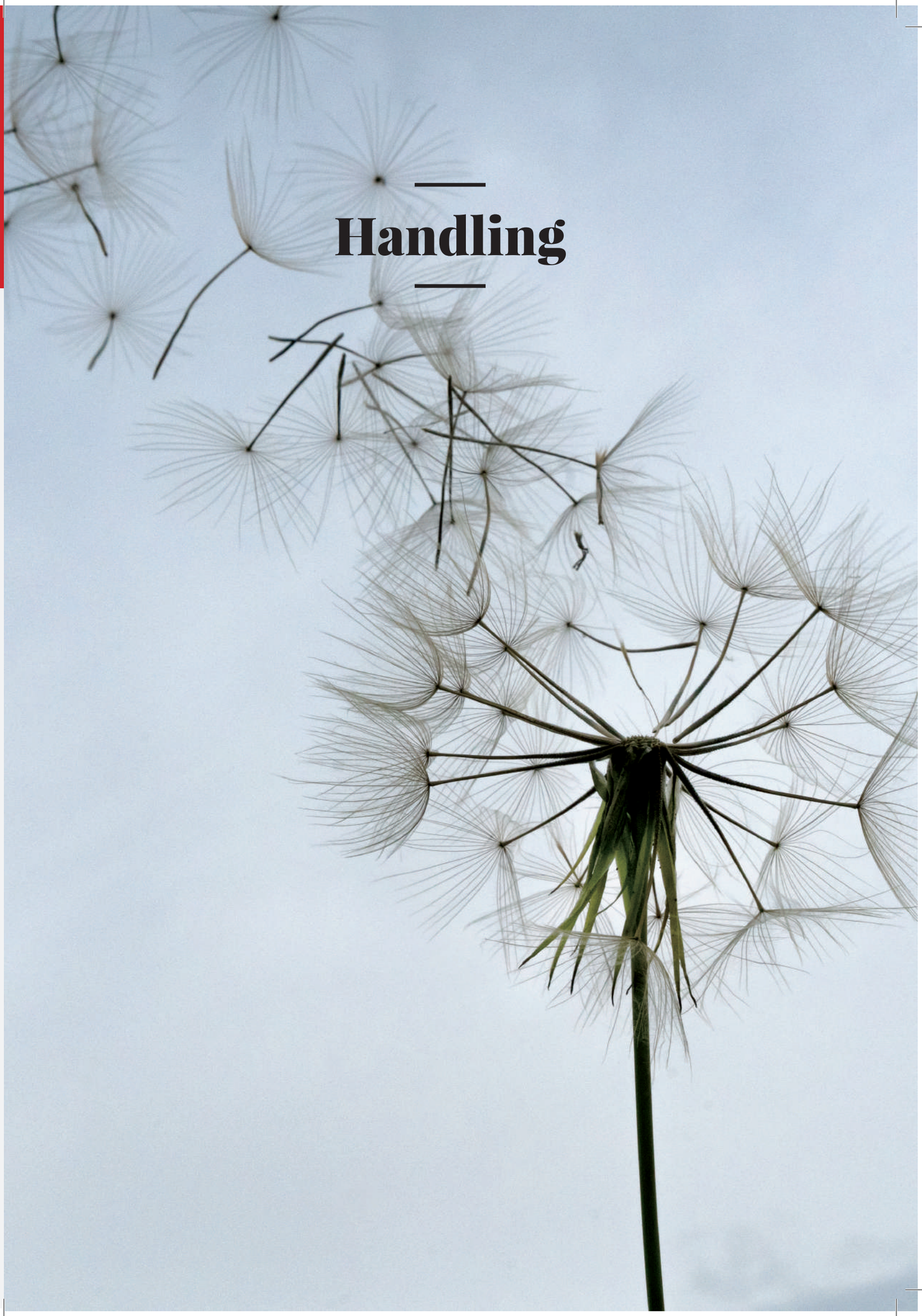
Belt with 90° take-off allowing it to feed two lines:
one with the container laid straight and one
with the container laid crosswise.
Runs off a 400 V, 3P+N+E, 50Hz supply,
with an installed power of 0.4kW.
Machine dimensions: 3000x700x1300 mm

NB3

Watering belt to be connected to the outfeed
of a filler or transplanter.
Runs off a 230V, Single phase, 50Hz supply,
with an installed power of 0.2kW.
Machine dimensions: 2680x750x1600

NB6

Watering belt to be connected to the outfeed
of a filler or transplanter.
Runs off a 230 V, Single phase, 50 Hz supply,
with an installed power of 0.2kW.
Machine dimensions: 1650x750x1600 mm



Handling

POT DIAMETER

10 cm or 22 cm

BELT LENGTH

from 1 to 6 m

BELT WIDTH

180 mm

BELT SPEED

approx. 10 m/min.

INSTALLED POWER

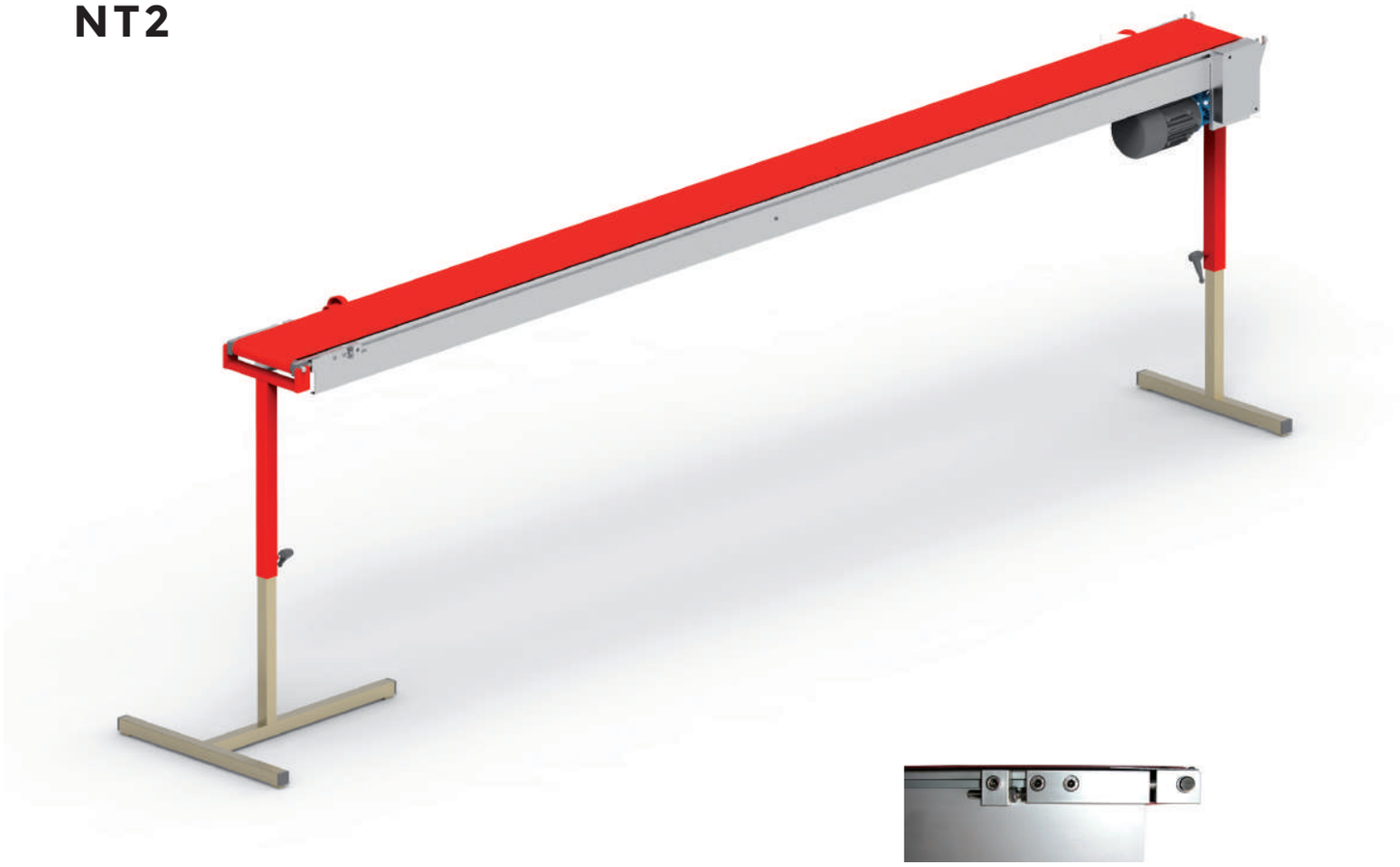
0.18 kW, 400 V, 3PH+E, 50 Hz

WEIGHT

42 kg

Conveyor belt

NT2



Belt tension equalizer

DESCRIPTION

Belt with modular aluminium frame, simple and easy to handle for conveying pots or trays. Each module is motor driven and comes in various lengths. The frame incorporates a belt tension equalizer.
The belt is a fixed-speed model and comes complete with central support leg and connecting cable.
It can also be ordered with variable speed drive.

OPTIONS

- Front end support leg **mod. GSI**
- 90° pot diverter **mod. CV90**
- Motor-driven 90° pot or tray diverter **mod. CC1/CC2**
- Pot spacing adjustment system **mod. RV1**
- Fork for loading/unloading pots on/off belts **mod. FORKS**
- Control panel for remote control of belts **mod. QSS**
- End stop sensor **mod. QSF**
- Mechanical or electronic variable speed drive

Technical drawing pag. 88

BELT LENGTH	BELT WIDTH	BELT SPEED	INSTALLED POWER	WEIGHT
from 1.3 m to 6.3 m	315/460/560/700 mm	approx. 5-16 m/min.	0.37 kW, 400 V, 3PH+E, 50 Hz	100/200 kg

Conveyor belt

NT3

DESCRIPTION

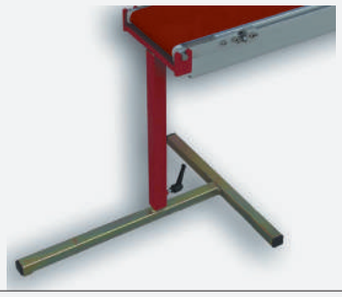
Belt with modular aluminium frame, simple and easy to handle for conveying pots or trays. Each module is motor driven and comes in various lengths. The frame incorporates a belt tension equalizer.
The belt is a fixed-speed model and comes complete with central support leg and connecting cable.
It can also be ordered with variable speed drive.

OPTIONS

- Front end support leg **mod. GSI**
- 90° pot diverter **mod. CV90**
- Motor-driven 90° pot or tray diverter **mod. CC1/CC2**
- Pot spacing adjustment system **mod. RV1**
- Fork for loading/unloading pots on/off belts **mod. FORKS**
- Control panel for remote control of belts **mod. QSS**
- End stop sensor **mod. QSF**
- Mechanical or electronic variable speed drive
- Frame version in stainless steel **mod. NX**

Conveyor belt accessories

GSI

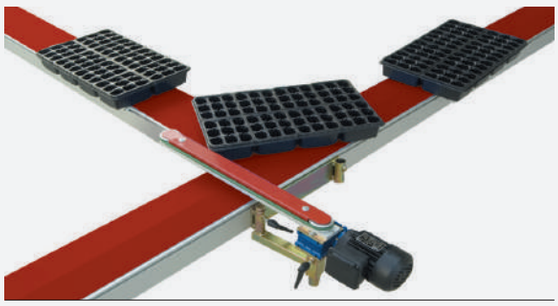


Front end support leg.

CV90

90° pot diverter complete with module attachment fitting.

CC1/CC2

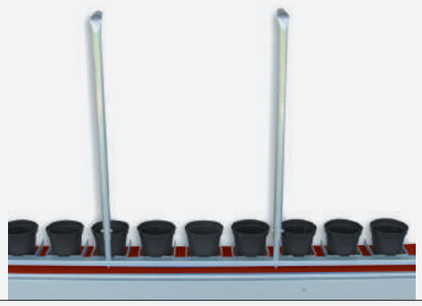


Motor-driven 90° pot or tray diverter complete with module attachment fitting.

RV1

Pot spacing adjustment system, to be attached to conveyor belts.

FORKS



Accessory for picking (regularly spaced) pots off the belt and setting them down on the ground. The number of pots that can be picked up varies depending on diameter.

QSS

Belt start/stop control panel complete with remote control.

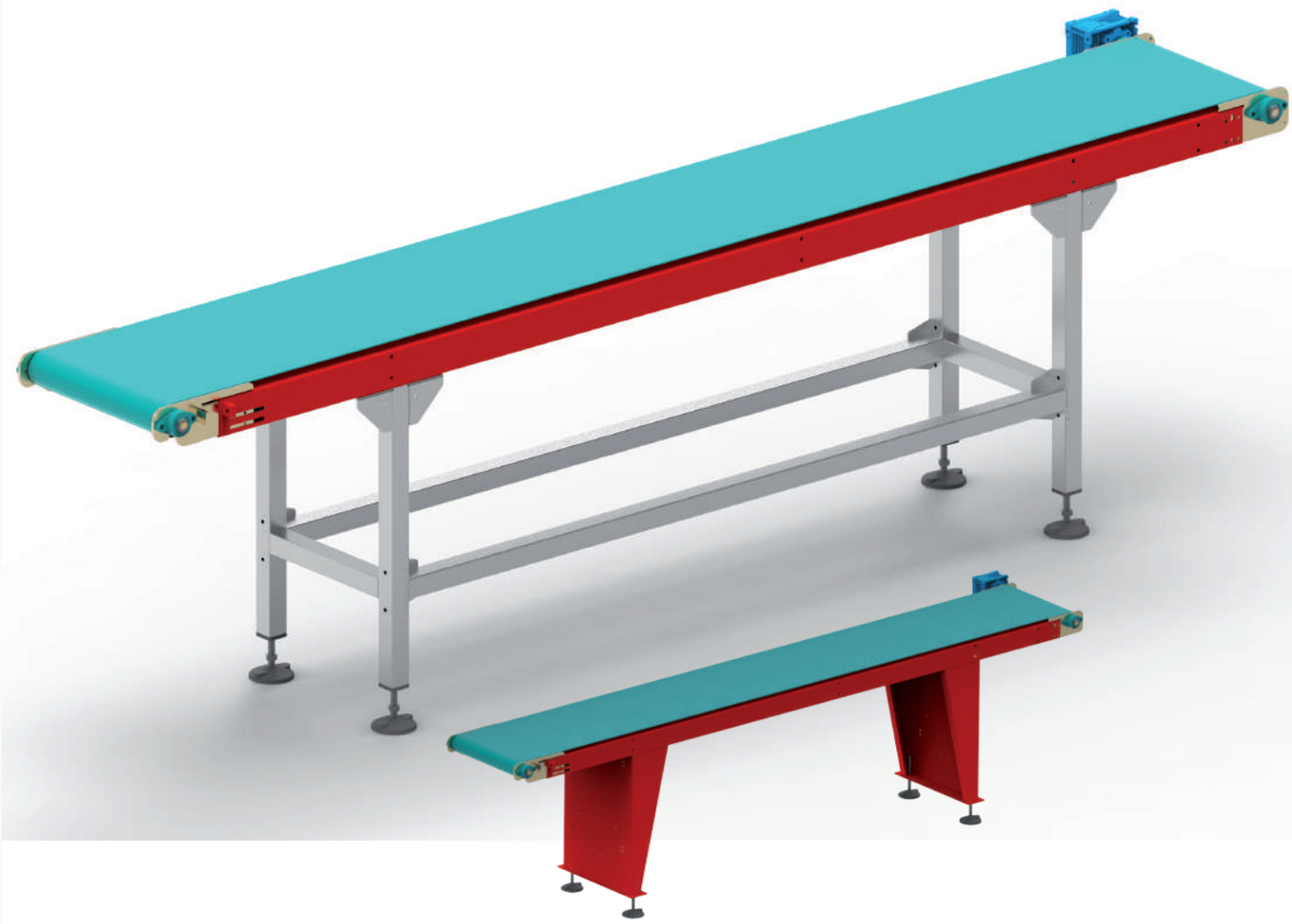
QSF

Limit switch.

BELT LENGTH	LARGHEZZA NASTRO	BELT SPEED	INSTALLED POWER	WEIGHT
from 1.3 m to 6.3 m	315/460/560/700 mm	approx. 5-16 m/min.	0.37 kW, 400 V, 3PH+E, 50 Hz	100/200 kg

Conveyor belt

NS



DESCRIPTION

Conveyor belt designed to carry containers, available in version with feet or wheels.
The containers' forward speed can be controlled by means of an electronic variable speed drive.

OPTIONS

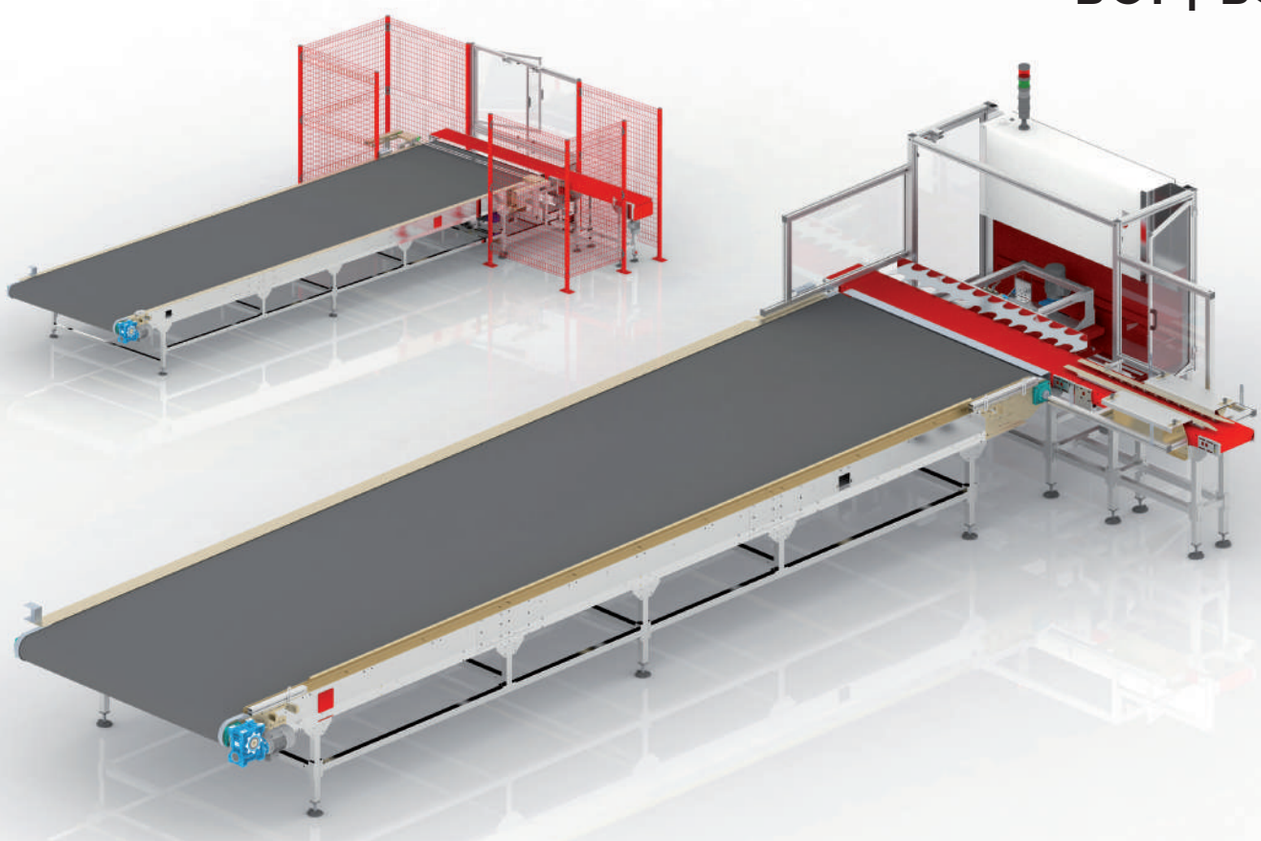
- Wheels

Technical drawing pag. 88

Automation

Pot/tray buffer belt

BC1 | BS1



DESCRIPTION

For handling of pots and/or trays being ferried from the potting/filling system to the greenhouse using lift trucks with relevant forks, Da Ros srl designs and manufactures systems featuring 1 or more belts for simple loading purposes, as well as for removing plants requiring further attention, spacing with cleaning belts, if any, and plant sorting. Belts are controlled via a control panel featuring an intuitive user-friendly touchscreen display.

Fixed fork for pots
10A

STANDARD MACHINE CONFIGURATION

- 5 - 7.5 - 10 m long loading/unloading buffer belt
- Pushing unit for loading belt **BC1**
- Take-off unit for unloading belt **BS1**

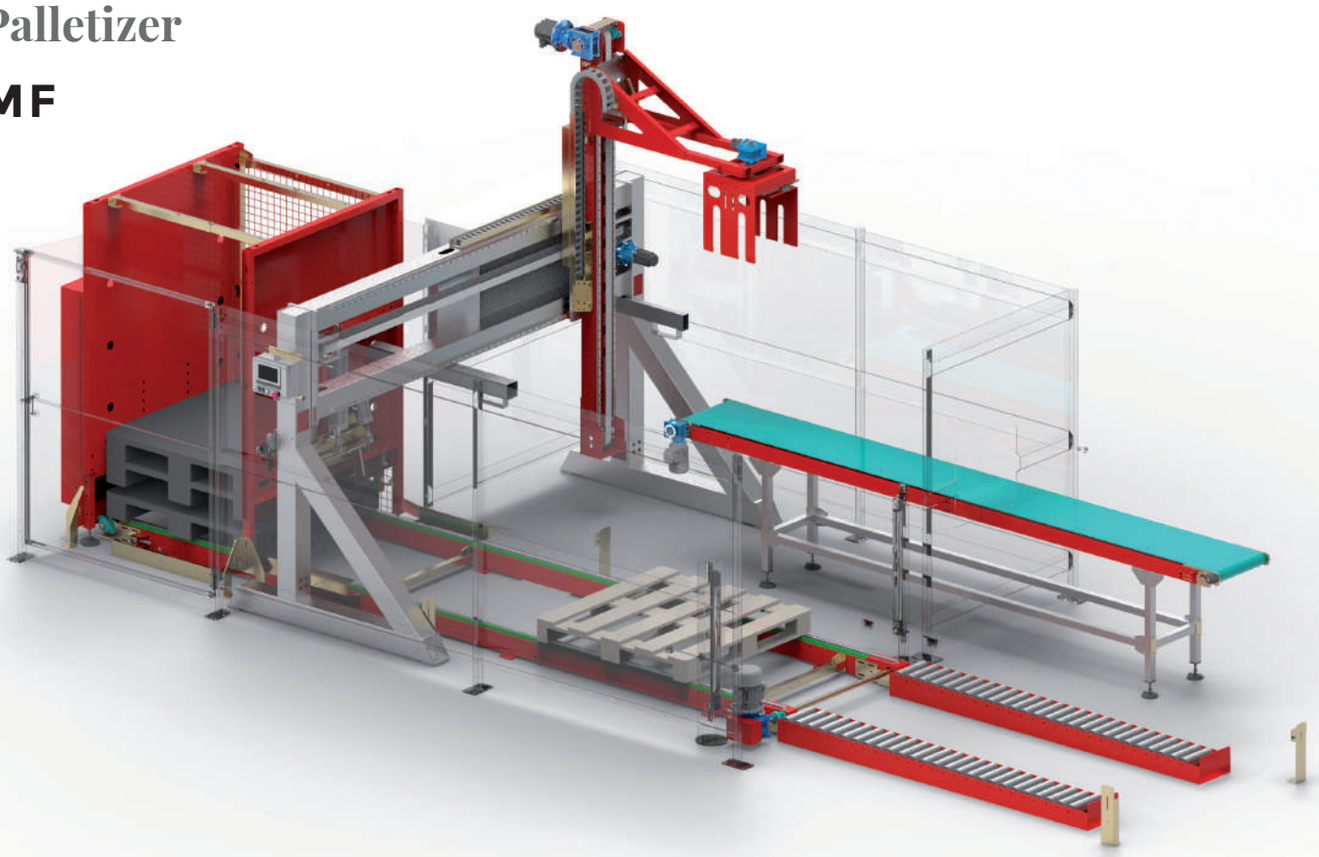
OPTIONS

- Pot-counter guides for loading belt **BC1**
- Fork holder for lift truck
- Fixed forks for carrying pots/trays

Technical drawing pag. 89

Palletizer

MF



DESCRIPTION

For automatically unloading seed trays or shuttle trays holding pots with seedlings planted in them, at the end of a seeding or potting or transplanting line, Da Ros srl designs and manufactures hi-tech systems for:

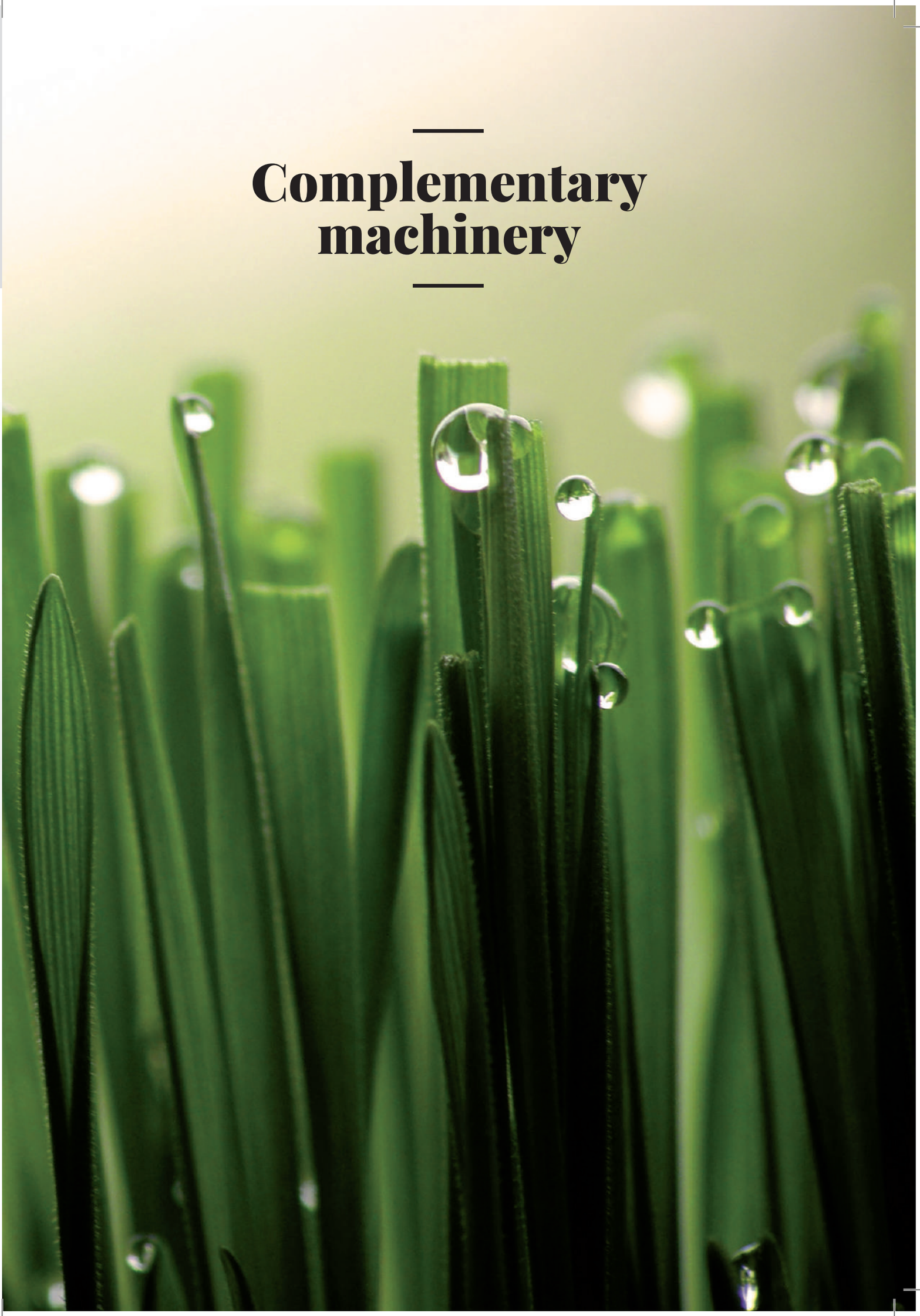
- Collecting single trays or stacks of trays from a processing line and setting them on multi-tiered carts.
- Collecting single trays or stacks of trays from a processing line and setting them on pallets in a programmable arrangement.

STANDARD MACHINE CONFIGURATION

Depending on specific system.

Technical drawing pag. 90

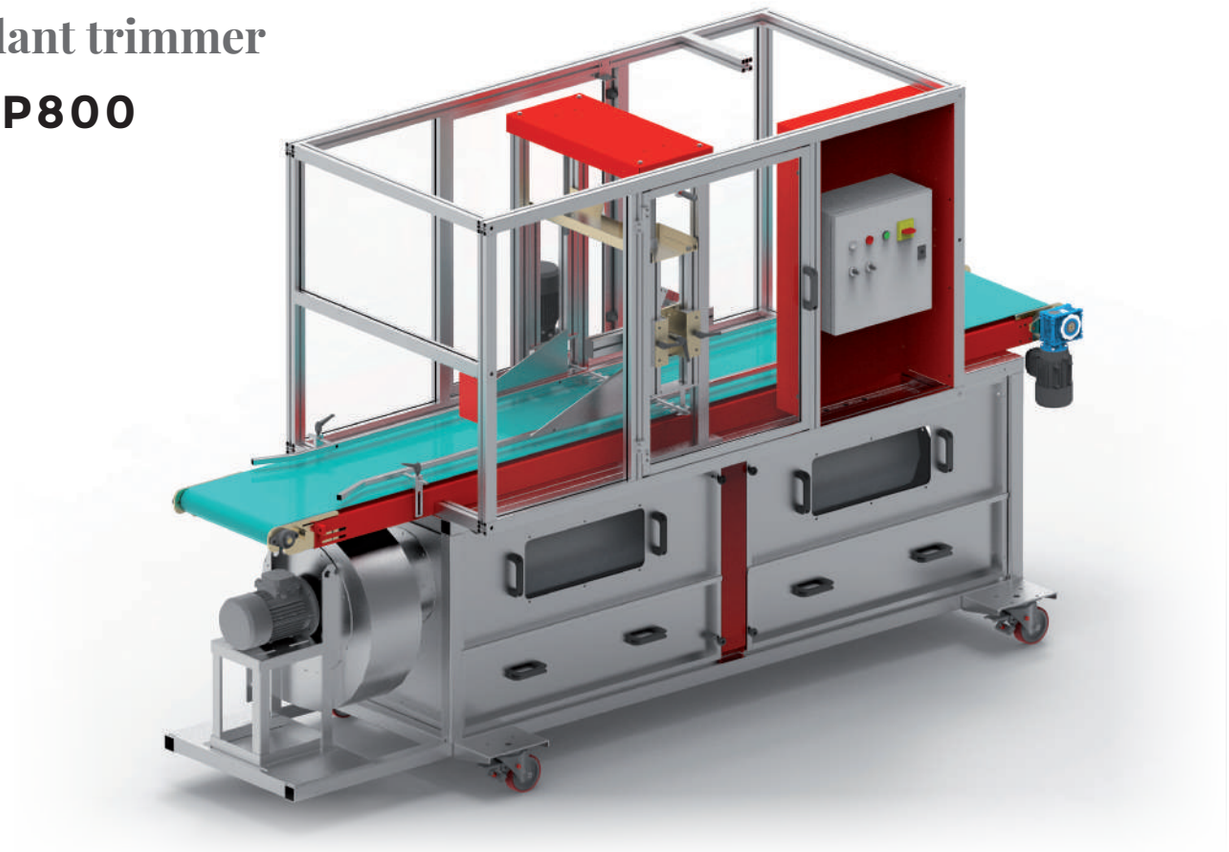
Complementary machinery



TRAY SIZE	HARVESTING RATE	TRIMMING HEIGHT	INSTALLED POWER	WEIGHT
max. width 500 mm	from 200 to 800 trays/hour	from 30 to 250 mm	4 kW, 400 V, 3PH+N+E, 50 Hz	570 kg

Plant trimmer

CP800



DESCRIPTION

Machine for trimming the tops off plants (onions-celery-fennel-lettuces-herbs) in containers, complete with suction system for collecting up clippings to avoid mould formation.
Belt and cutting blade speed can be controlled electronically.
Easy adjustments to accommodate various different container types and trimming height mean the machine can be changed in a matter of seconds.

STANDARD MACHINE CONFIGURATION

- Conveyor belt
- Cutting unit
- Suction inlet
- Collection bin

OPTIONS

- Stainless steel cutting blade

Technical drawing pag. 90

MAXIMUM TRAY SIZE

up to 600 mm wide

HARVESTING RATE

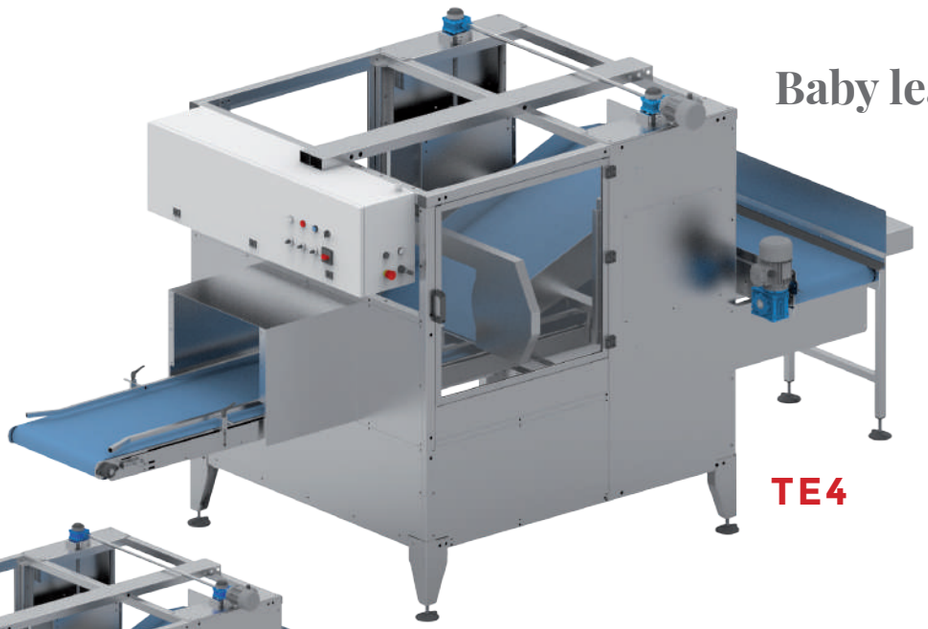
depends on length

INSTALLED POWER

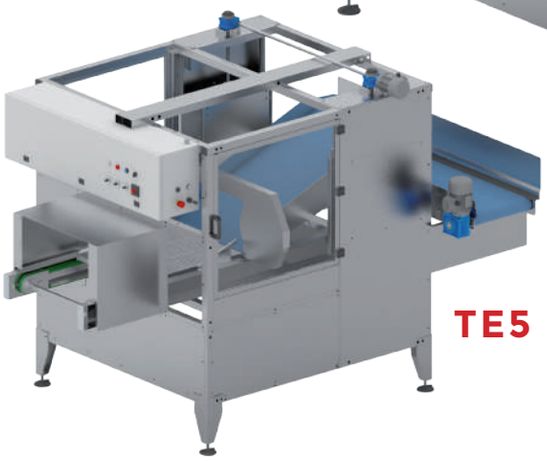
1.6 kW, 400 V
3PH+N+E, 50 Hz

Baby leaf harvester

TE



TE4



TE5

TE6

DESCRIPTION

This is a cutting unit designed for all hydroponically grown "leafy" crops.
It can accommodate containers of all kinds and even raceways.
Cutting speed and height can be adjusted via a manual control panel.
The wave rotary blade produces a clean cut without crushing the stalk, which would inevitably lead to rot.

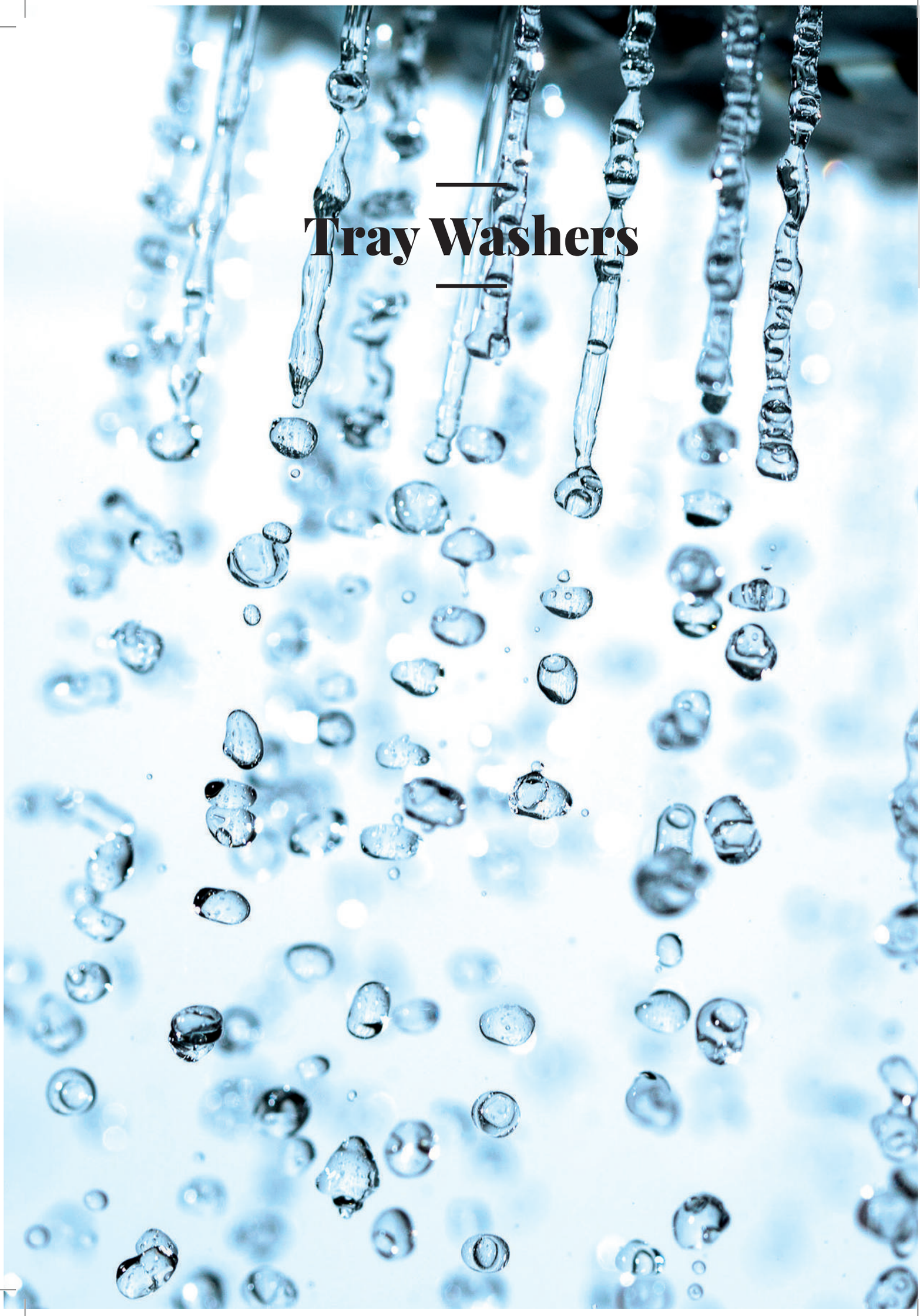
STANDARD MACHINE CONFIGURATION

- All-stainless steel frame
- Cutting unit with wave blade
- Food-grade conveyor belts suitable for contact with water
- Harvested crop collection/discharge belt
- Operator control panel

OPTIONS

- Container loading belt
- Container unloading belt

Technical drawing pag. 91/92

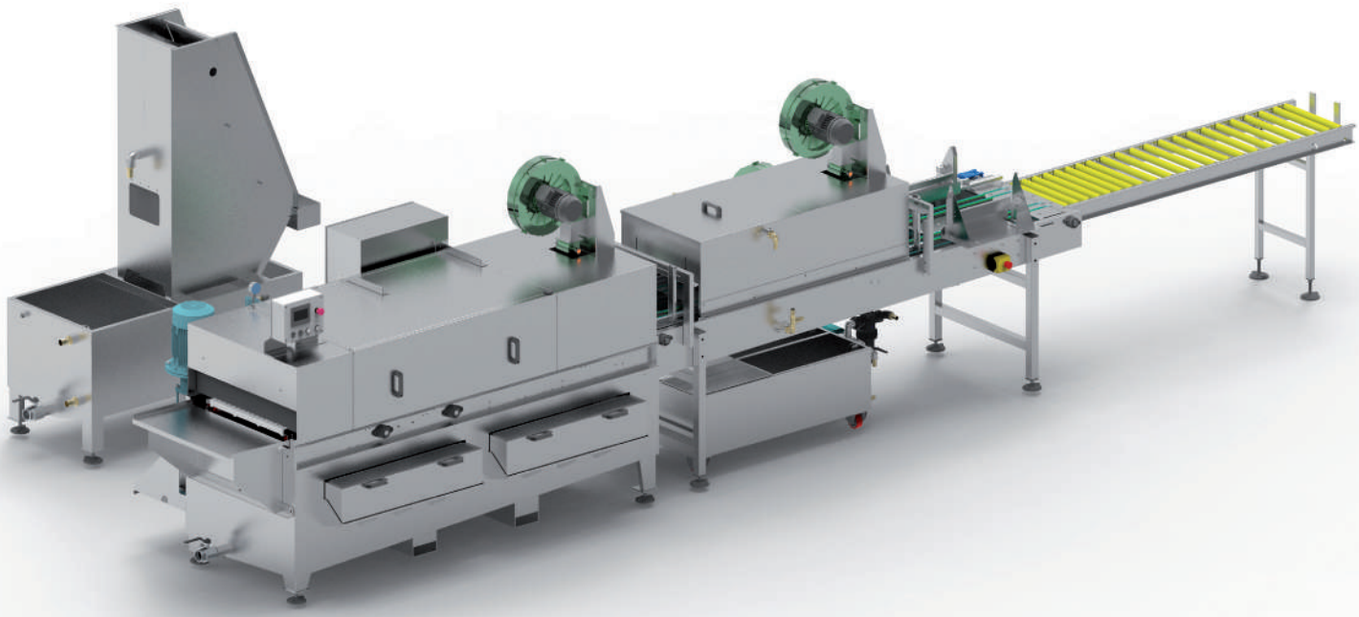


Tray Washers

MAXIMUM TRAY SIZE	WASCHING RATE	INSTALLED POWER	AIR CONSUMPTION
1000x600X150 mm	200-600 trays/hour	9 kW, 400 V 3PH+N+E, 50 Hz	50/150 l/min

Tray washer

LINEA LC1



DESCRIPTION

Line featuring a frame made entirely from stainless steel, designed for washing and treating polystyrene, rigid plastic and thermoformed containers and trays.
Containers are processed horizontally and all controls are located inside a waterproof control cabinet, again with stainless steel construction.
Wash water is filtered and recycled constantly, and replaced on average every 6 hours of washing (depending on the level of soiling in question).
The line consists in a modular system, meaning you can work just with the washing tank or with a full line with all the optional extras based on your automation requirements.

STANDARD MACHINE CONFIGURATION

- Washing tank **mod. LC1** with vertical centrifugal pump
- Series of high-pressure nozzles
- Double panel filters
- 400l external vertical filter with recirculating pump
- Stacker
- End stack accumulation roller table

OPTIONS

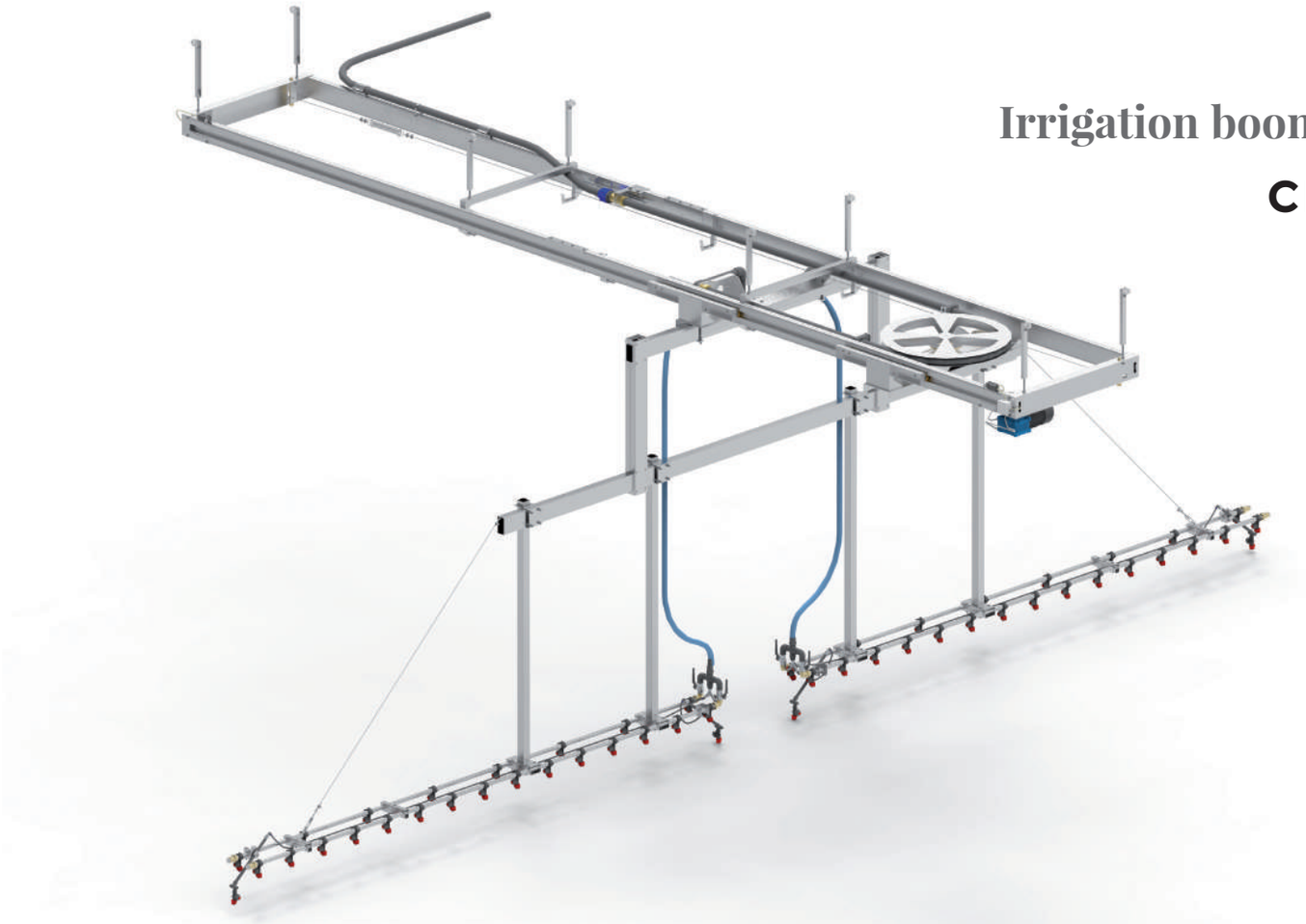
- Denester with shaker for polystyrene containers
- Rotating brushes
- Drying fan between washing and treatment
- Drying fan after treatment

Technical drawing pag. 92

Irrigation

Irrigation booms

C13



DESCRIPTION

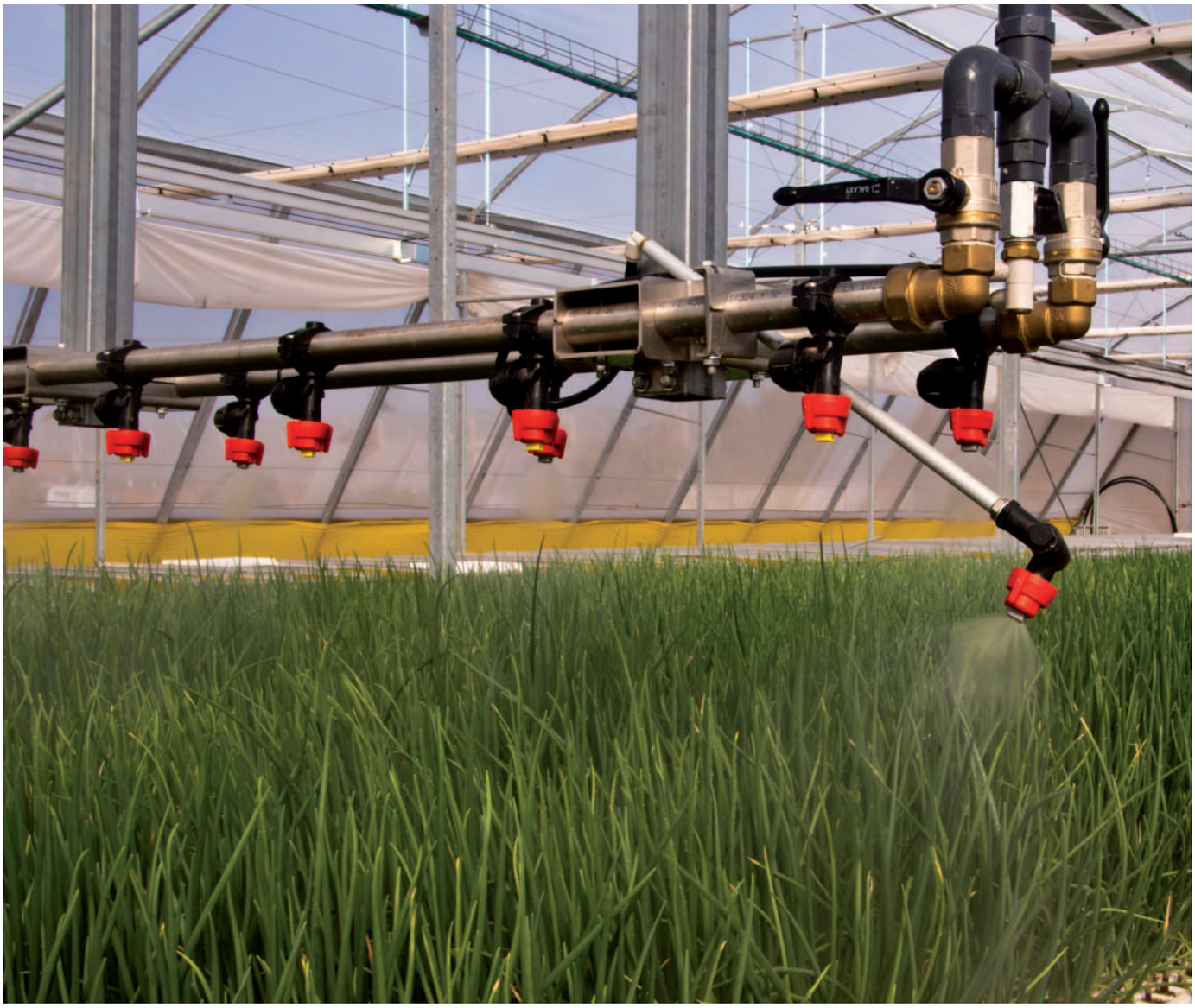
Irrigation booms comprise modular aluminium profiles and come in a standard 120 mm height so as to avoid hitting any kind of curved roof, regardless of the greenhouse's span. The boom slides securely and silently inside the profile thanks to special Vulkollan wheels. The aluminium profiles make the system light and easy to install, while the steel cables and water hosing are quickly tensioned. The top-of-the-line touchscreen control panel is graphically intuitive and allows for immediate programming.

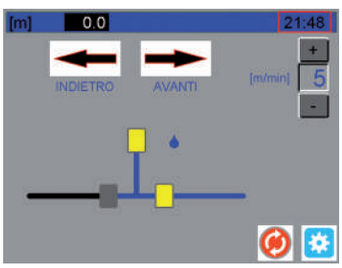
OPTIONS

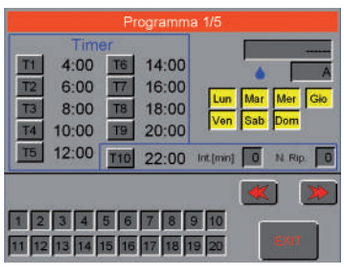
- Remote control
- Single remote control for a number of booms
- Provision for fitting fertilizer dispenser
- Adjustable independent nozzles on ends
- Treatment pipe, max. 16 bar
- Double solenoid valve for automatic irrigation on right and left

STANDARD MACHINE CONFIGURATION

- Double rail made from aluminium profile with recess for wheels to run in
- Recoil system trolley made from steel complete with 4 Vulkollan-coated bearings
- Spray bar trolley made from steel complete with 4 Vulkollan-coated bearings
- Motor-driven head (0.37kW motor) to drive steel cable pulling the trolley
- Spray bar with double stainless steel pipe, height adjustable
- 40 mm water supply pipe
- Recoil system head with pulleys
- Limit switch fitted on both heads
- Manual valves for irrigation on right and left
- Self-cleaning solenoid valves
- Extra nozzles on ends
- Touchscreen control panel

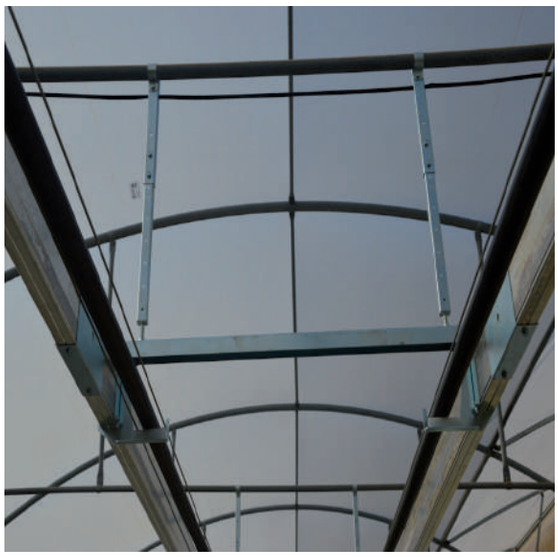




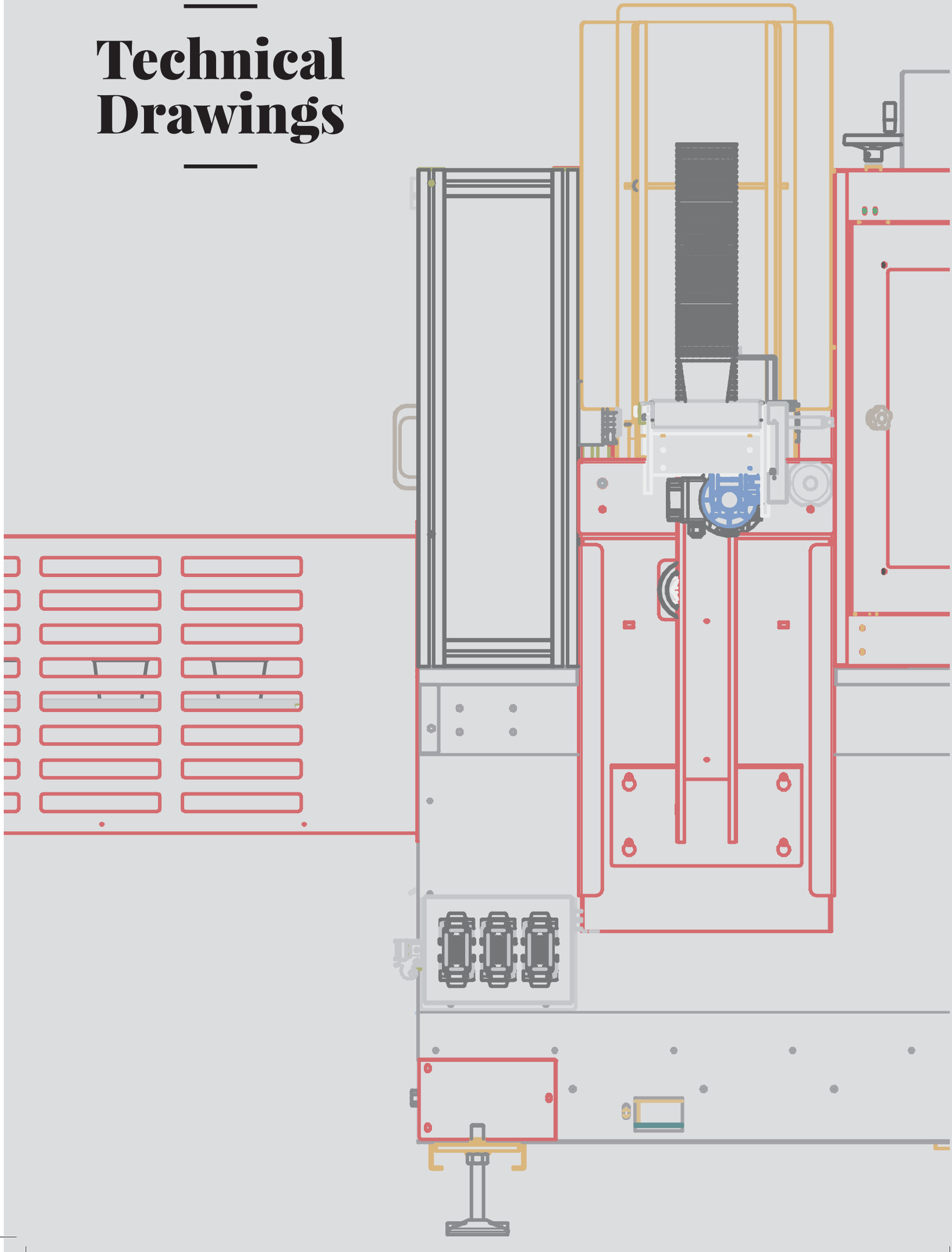


CONTROL PANEL

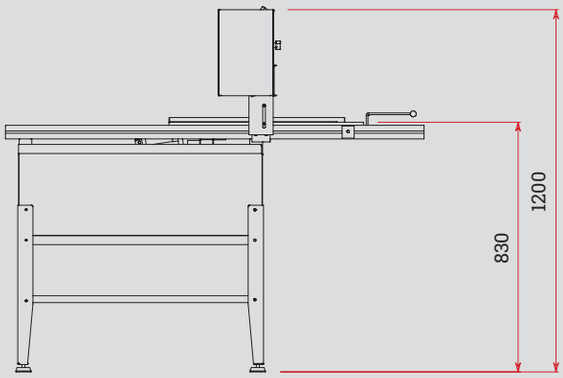
Manual or automatic mode.
Settings for direction,
speed and number of irrigation cycles per zone.
Automatic water release into pipes
in user-settable positions prior to irrigation.
20 independent zones set in metres or graphically.
Watering by zone or at intervals for crops on benches.
8 daily timers.
Option of controlling up to 5 solenoid valves.



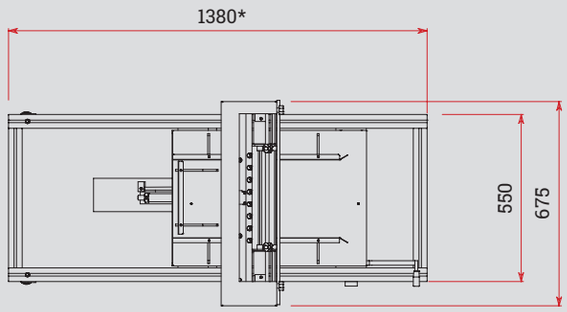
Technical Drawings



Seeder **SEM100**

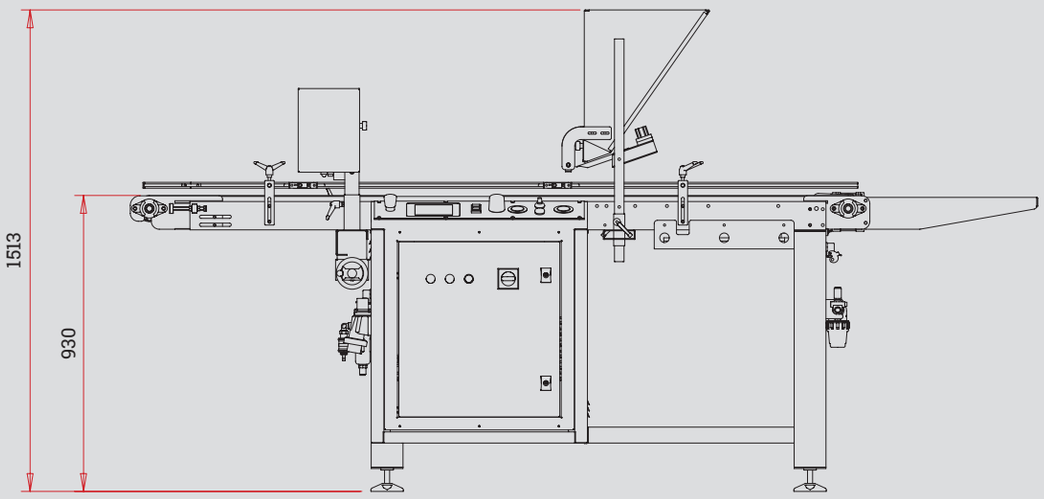


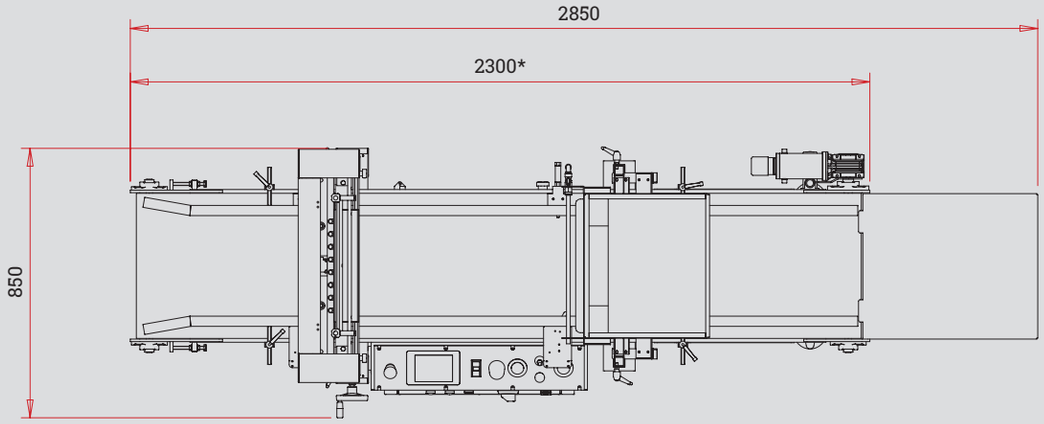
PLAN VIEW



*FOR CONTAINERS 700x480 L=1580

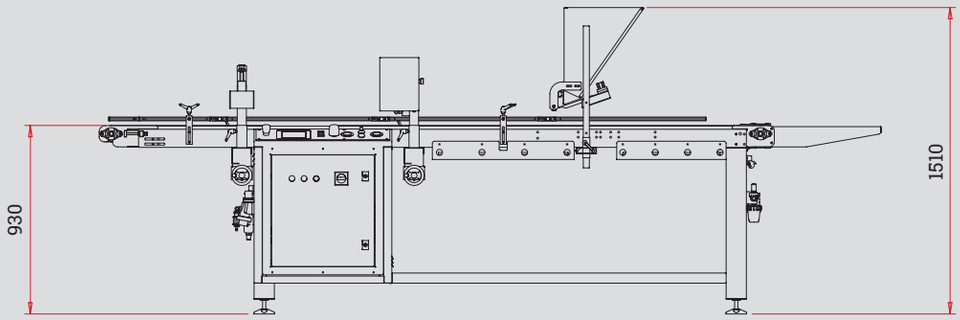
Seeder **LS7-2**

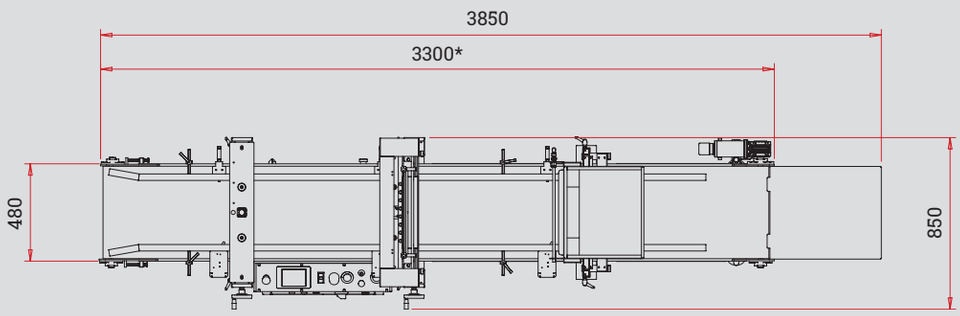




*FOR CONTAINERS 700x480 L=2800

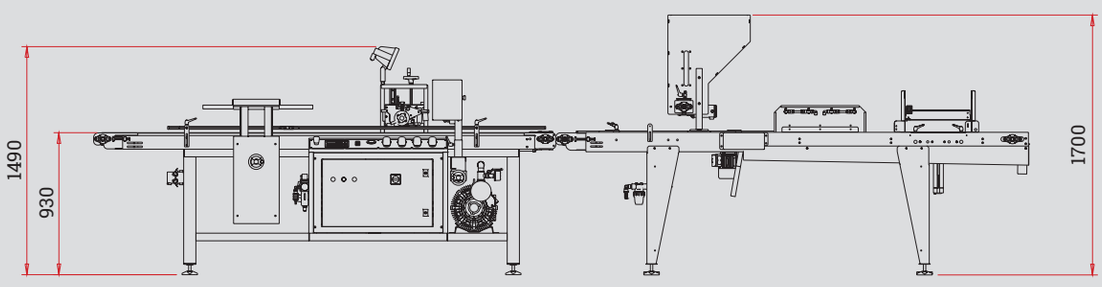
Seeder **LS7-3**

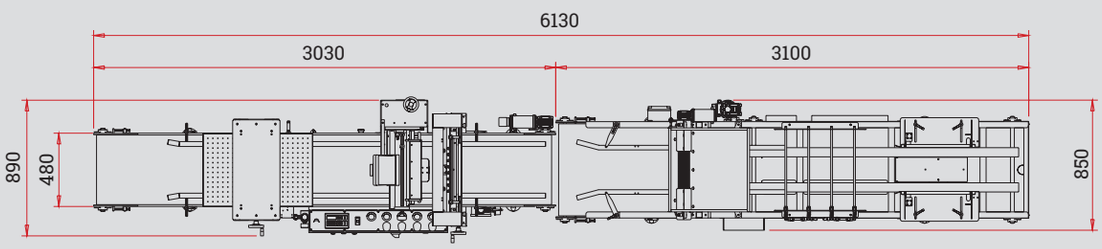




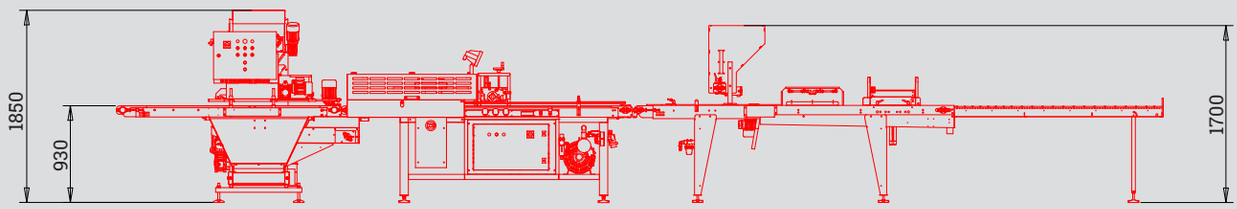
*FOR CONTAINERS 700x480 L=3800

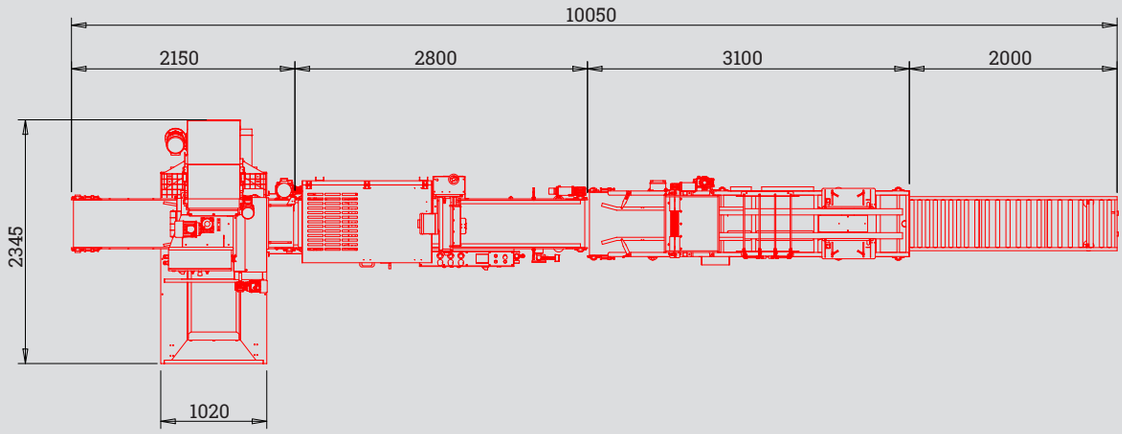
Seeder **LR400**



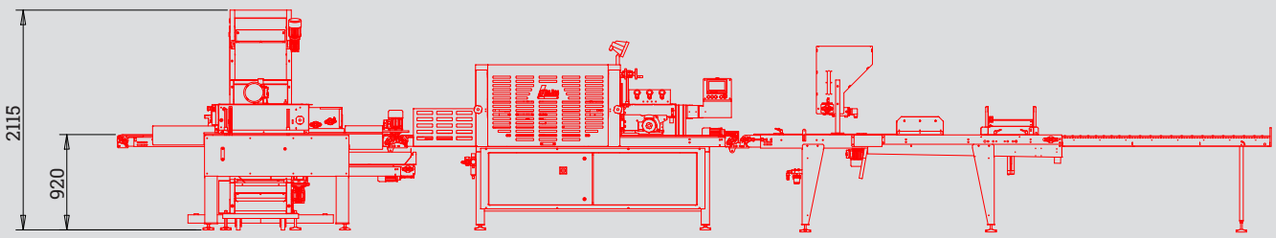


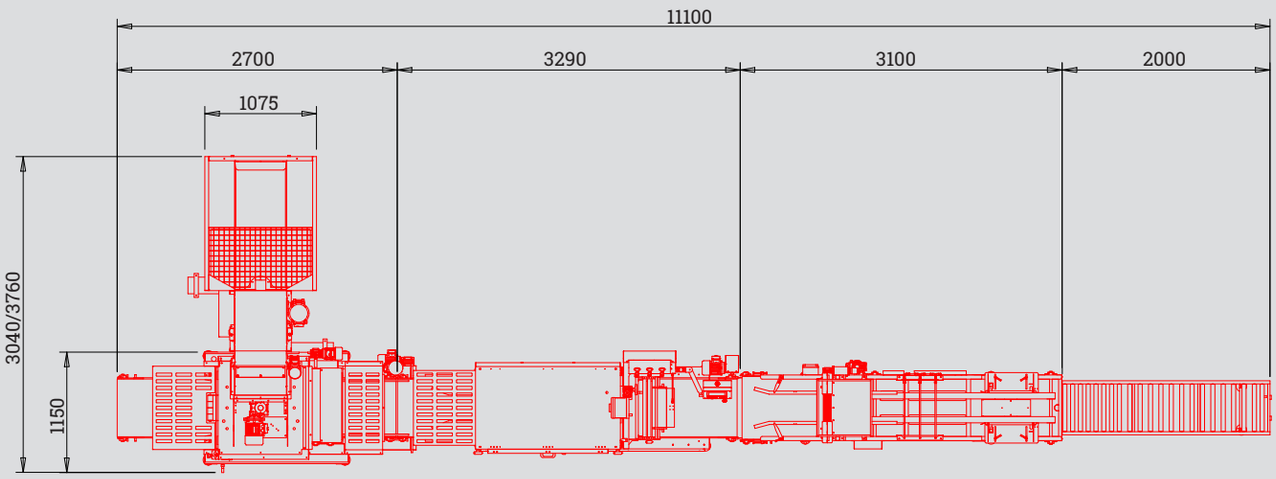
Seeder **LINEA LR650**



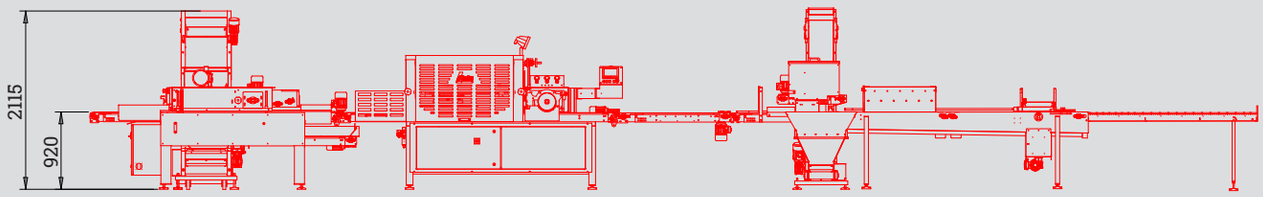


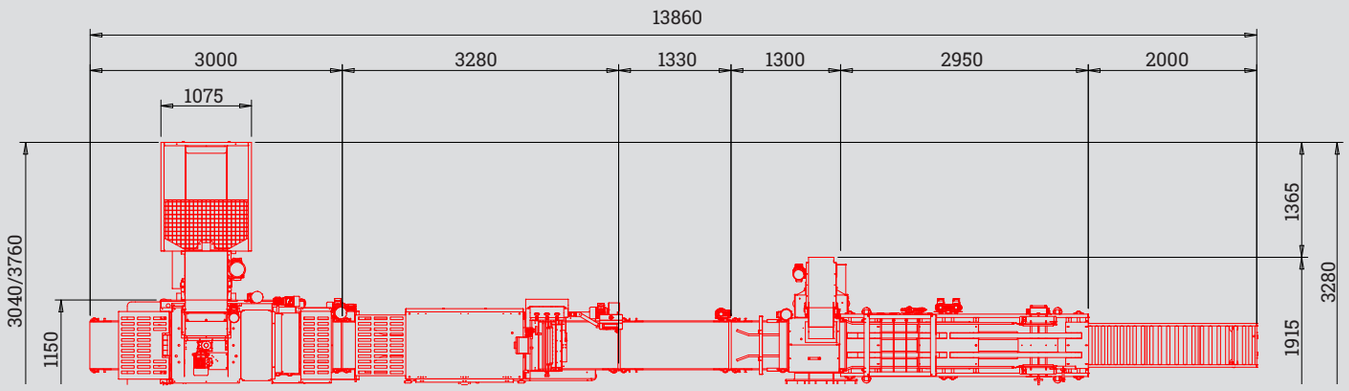
Seeder **LR800**



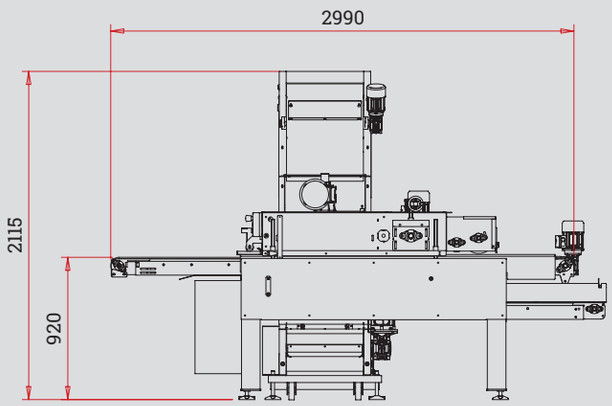


Seeder **LINEA LR1200**

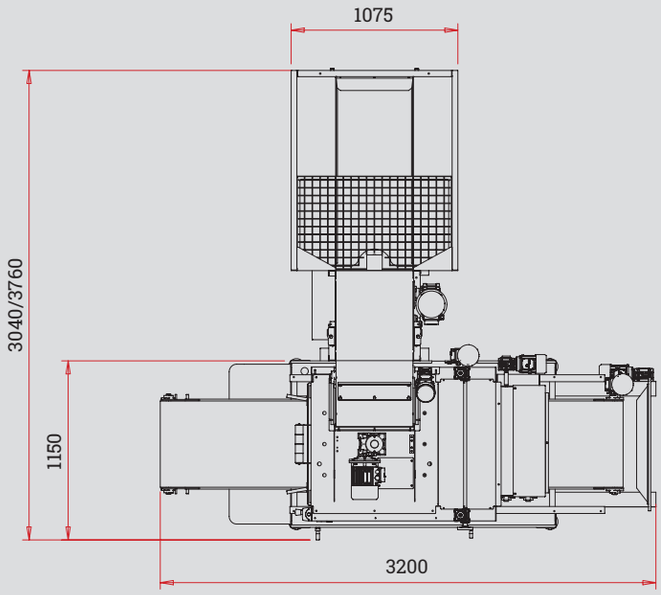




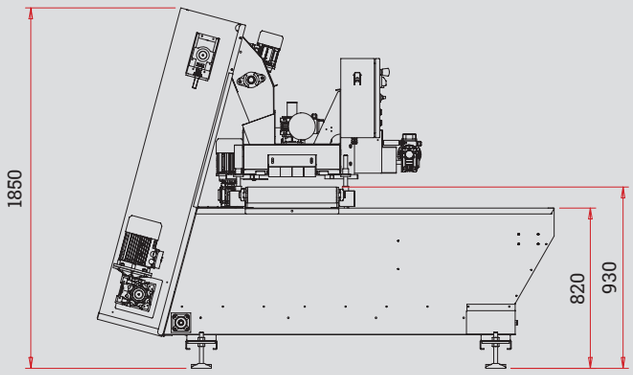
Trayfiller **RC1200**



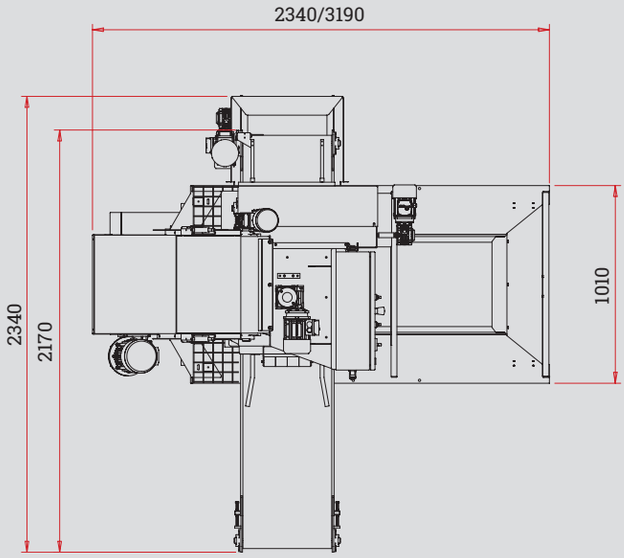
PLAN VIEW



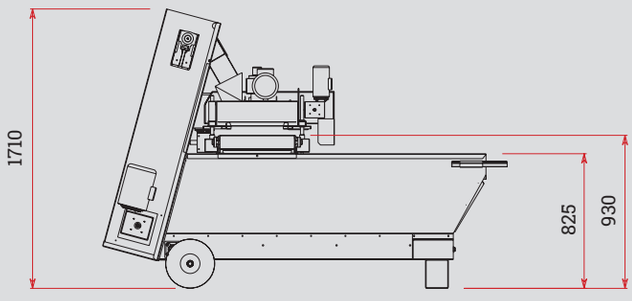
Trayfiller **RC7-TR31N-M**



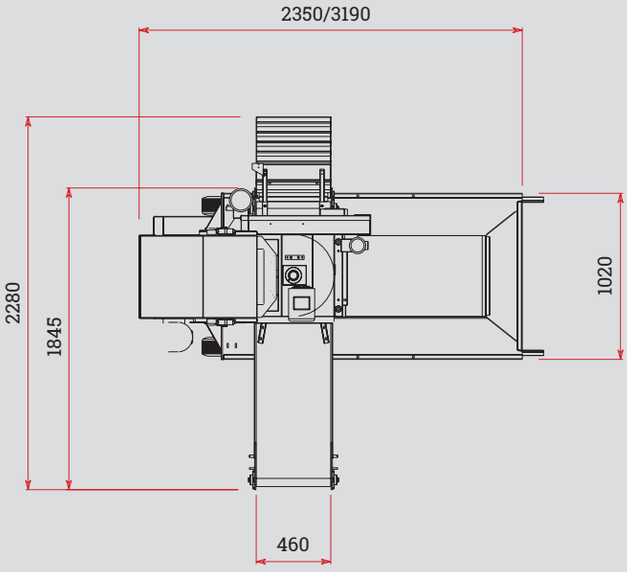
PLAN VIEW



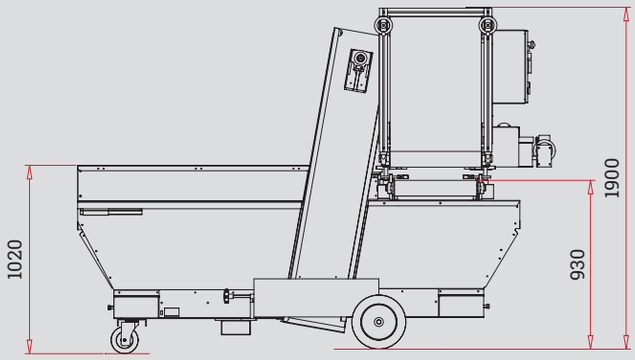
Trayfiller **RC2-TR3**



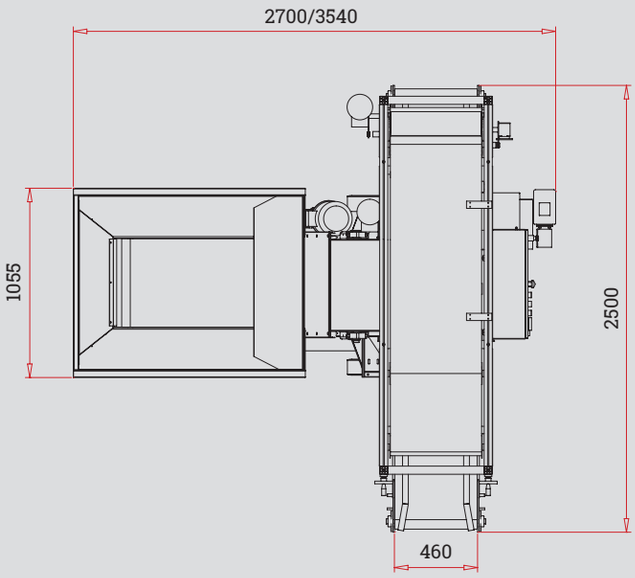
PLAN VIEW



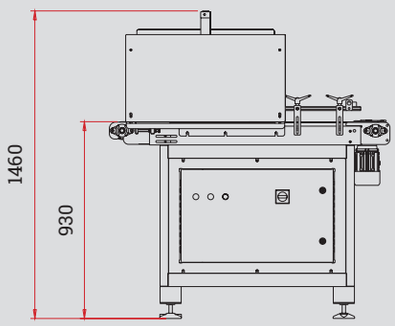
Trayfiller **RC5-TR5C**



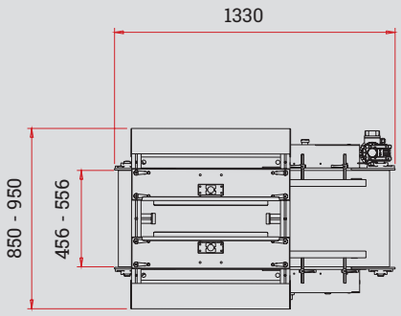
PLAN VIEW



Destacker **A5-1**

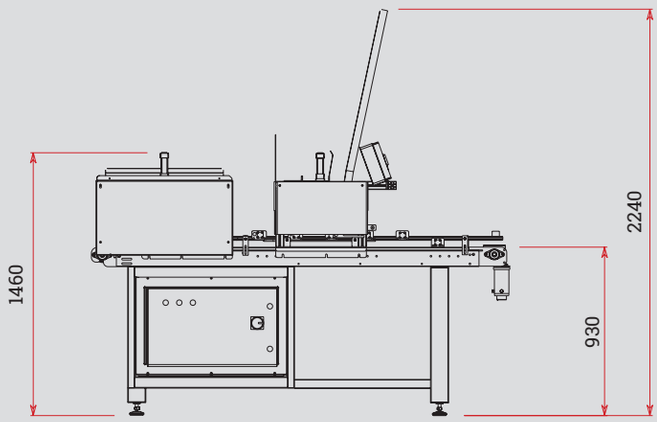


PLAN VIEW

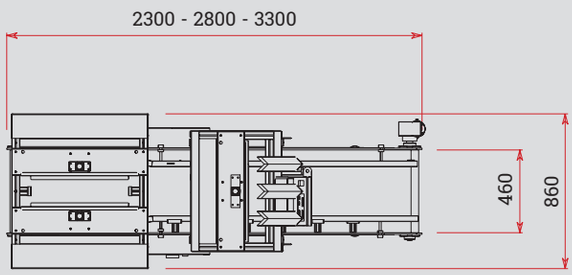


Destacker **A5**

PACKS - POTS

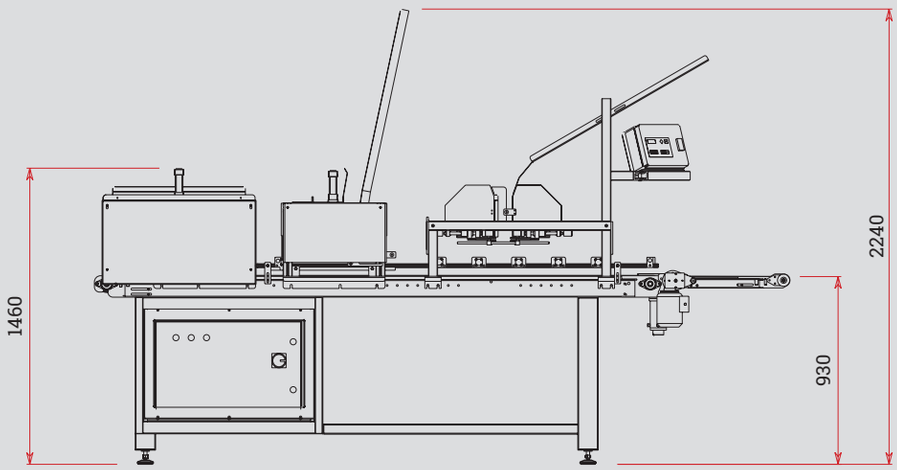


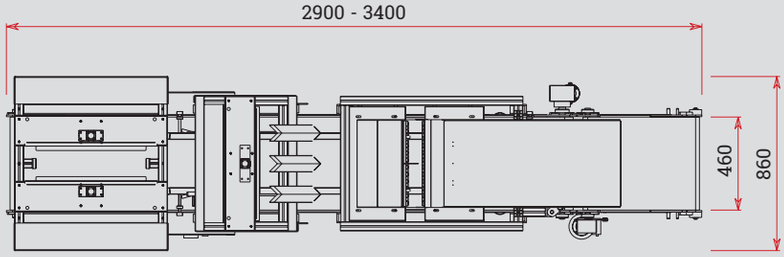
PLAN VIEW



Destacker **A5**

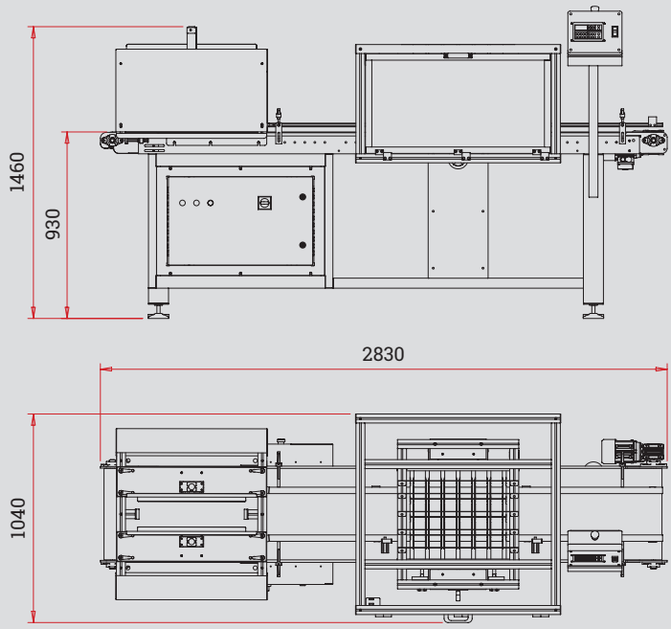
PACKS - POTS



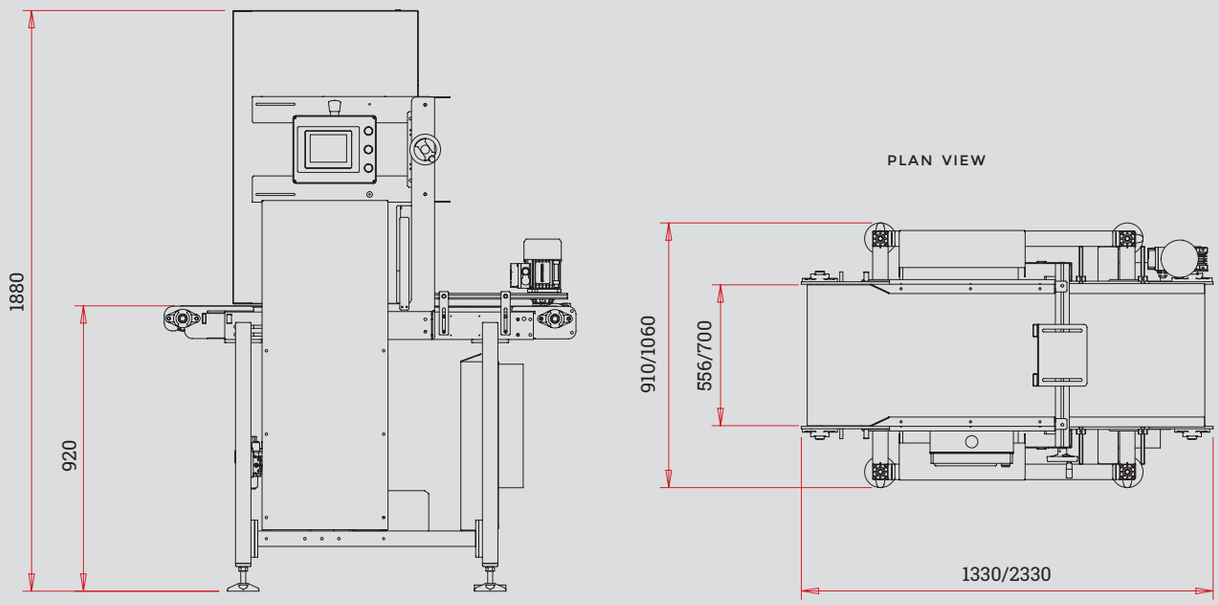


Destacker **A5-DV8**

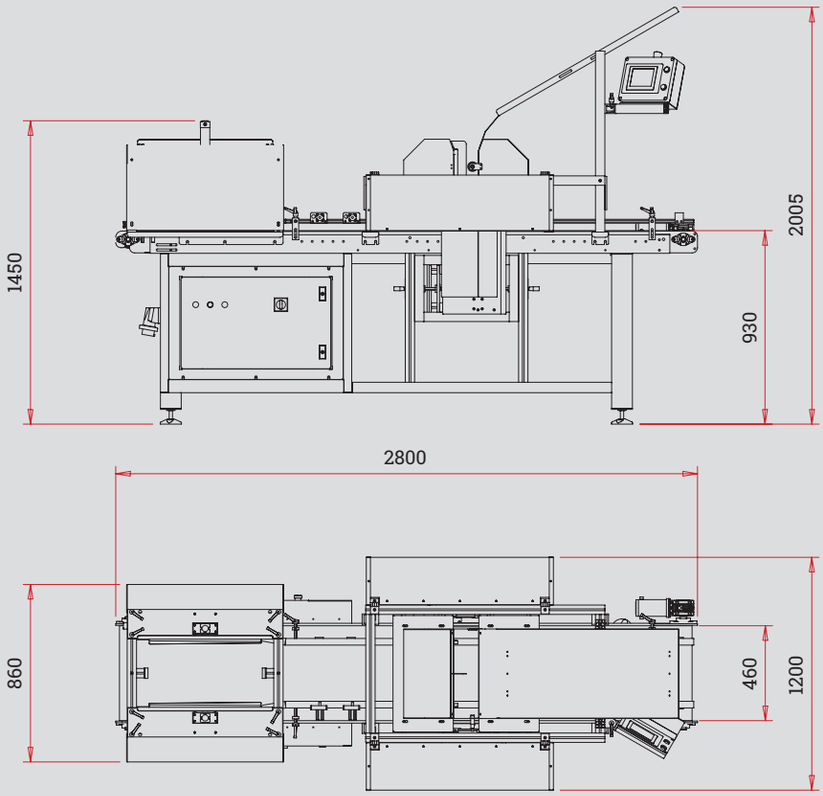
POTS



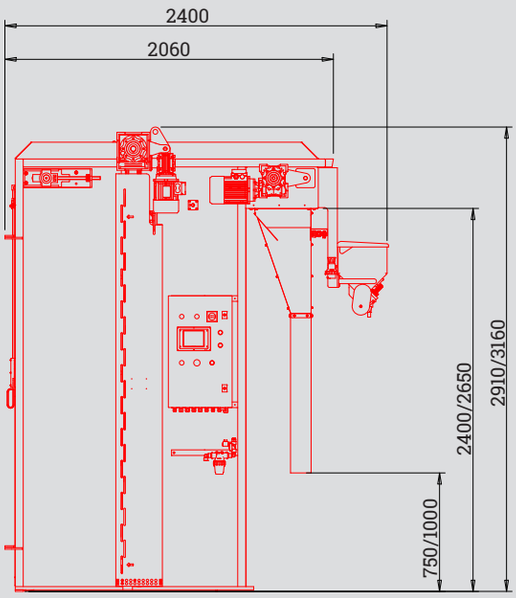
Destacker **DP-5**



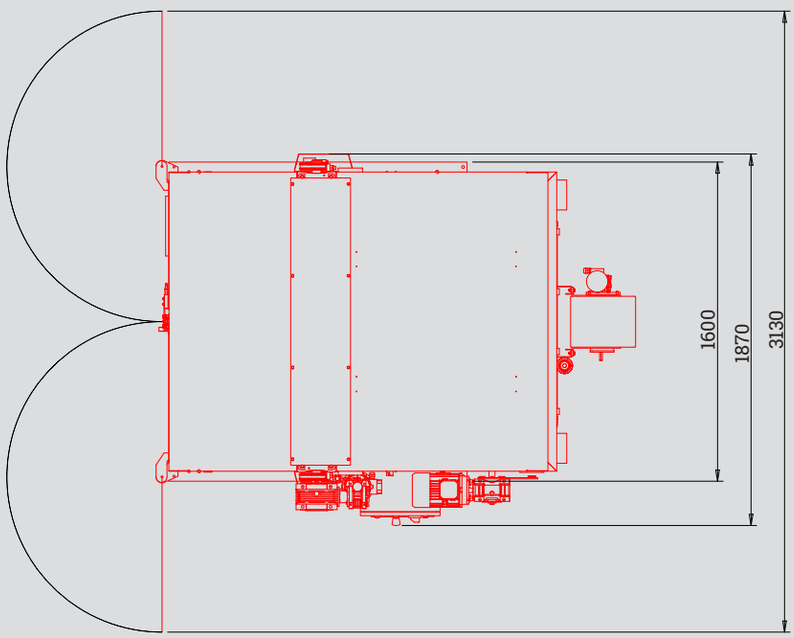
Labelling machine **A6-2**



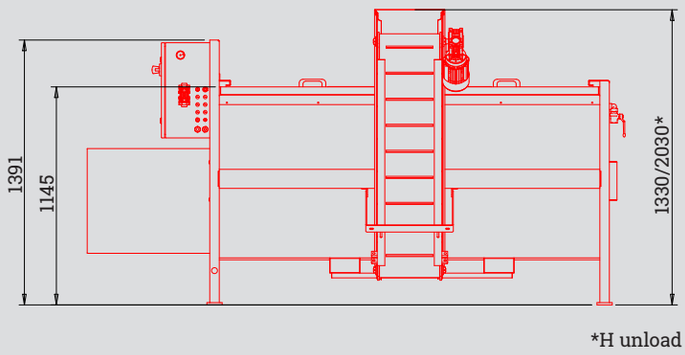
Peat Bale Breaker **CT2**

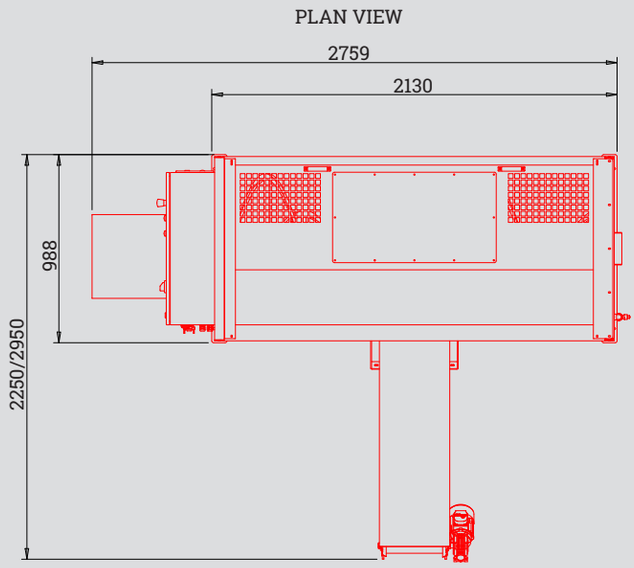


PLAN VIEW

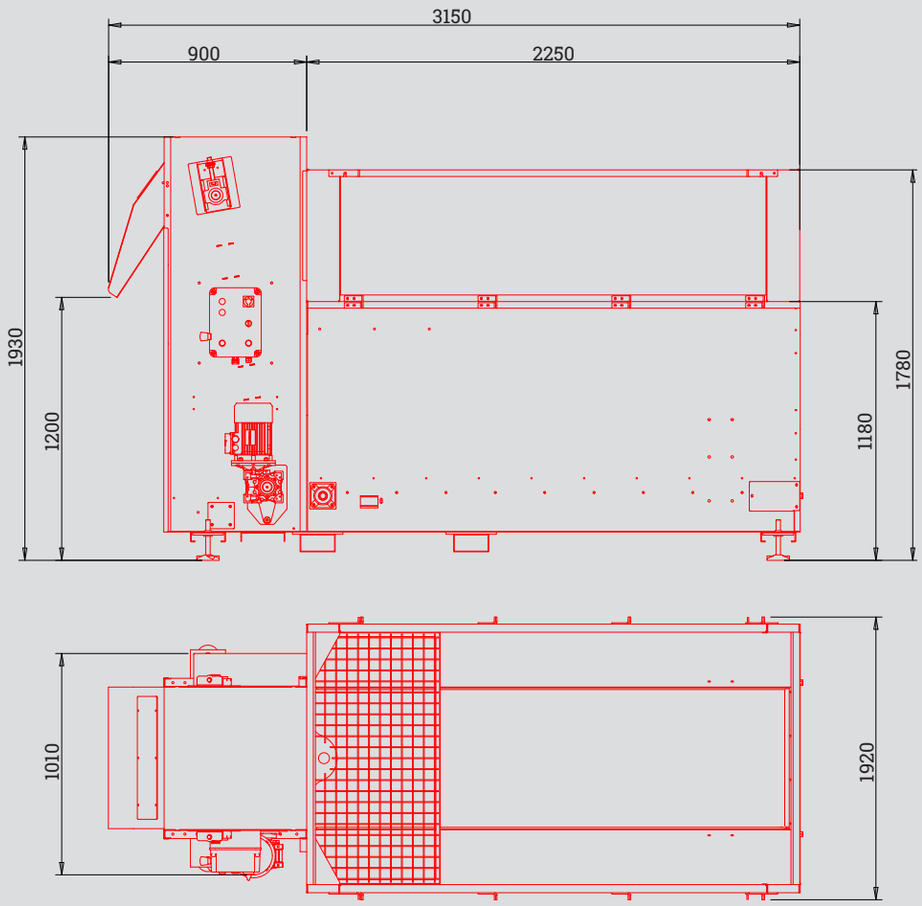


Mixer **MX2**

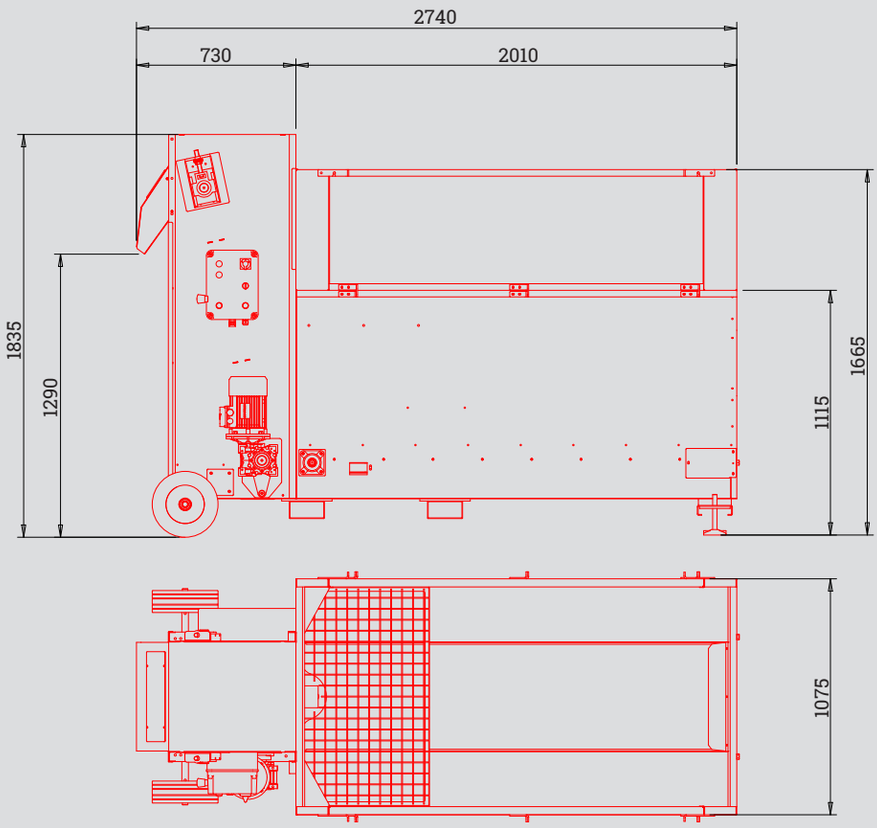




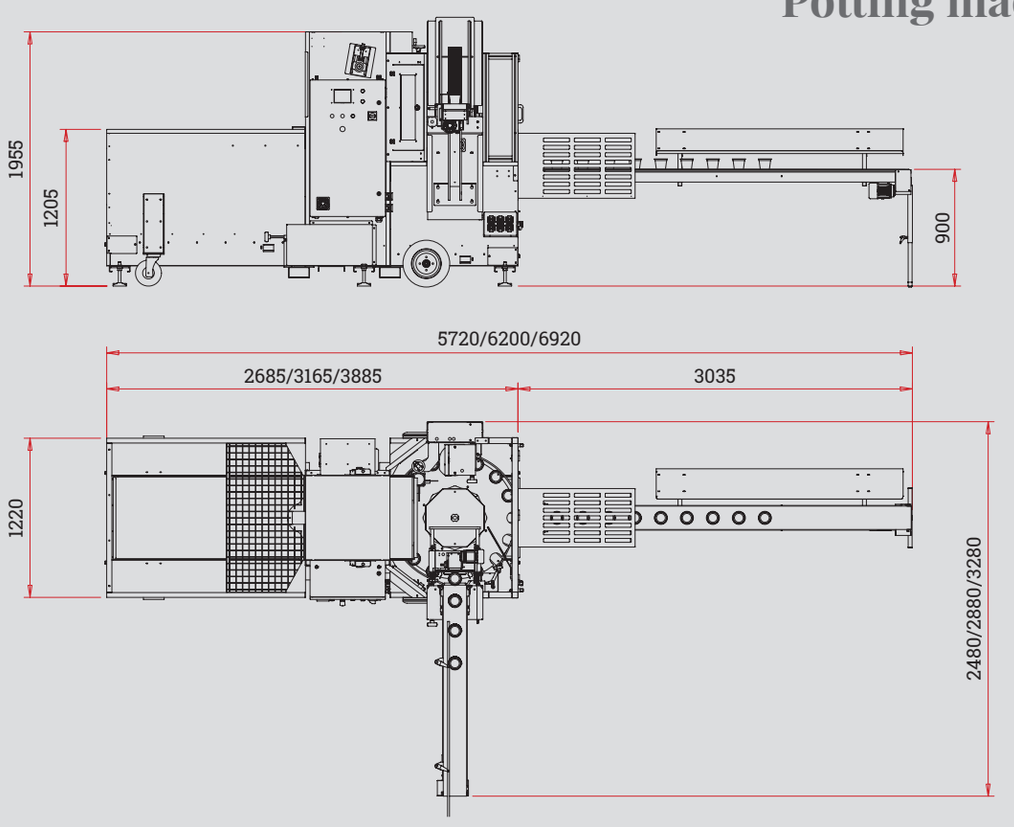
Peat storage tank **TV5-A**



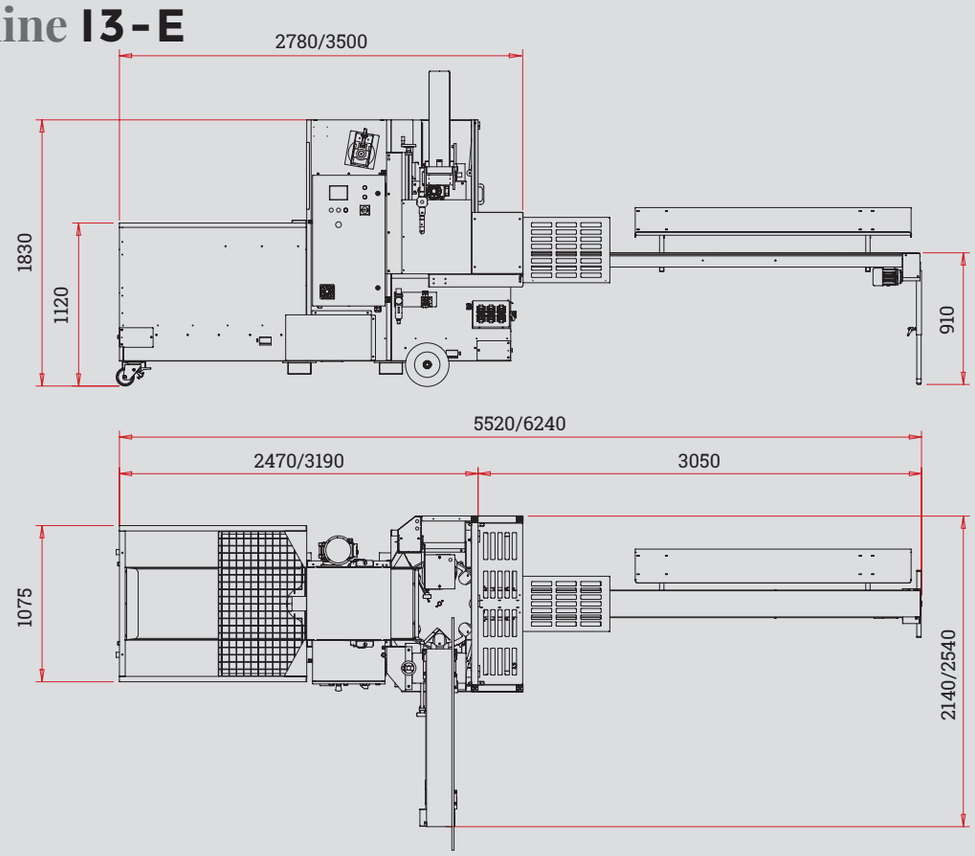
Peat storage tank **TV3-A**



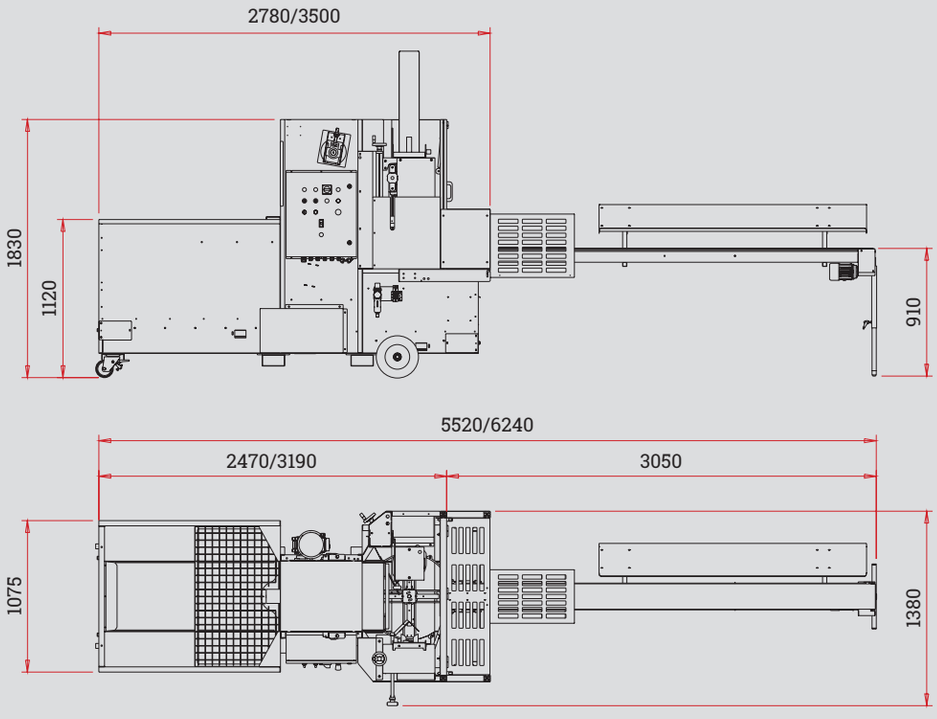
Potting machine **I5**



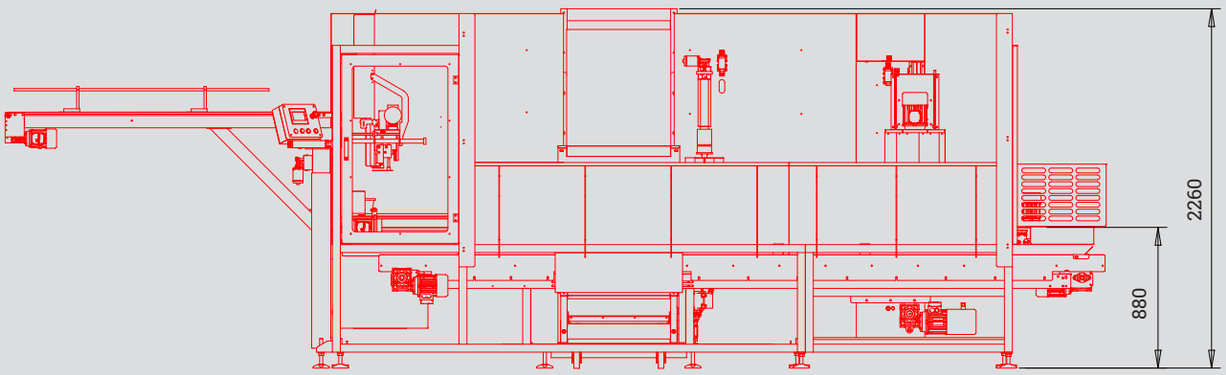
Potting machine **13-E**

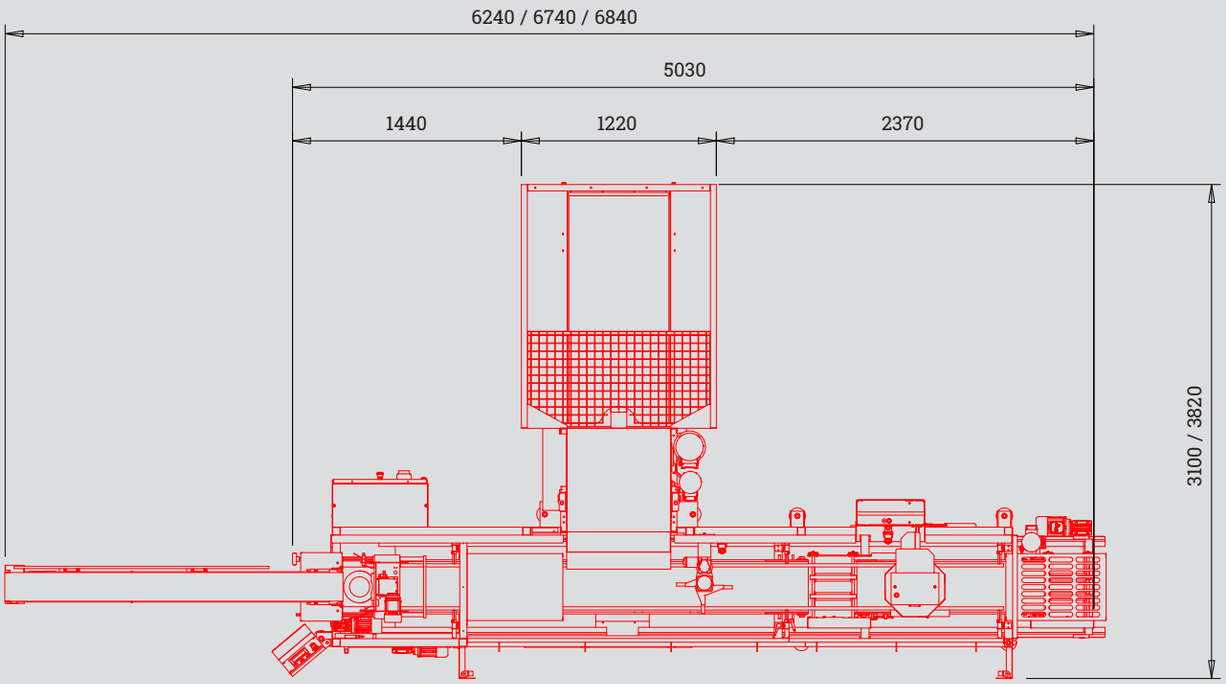


Potting machine **13-P**

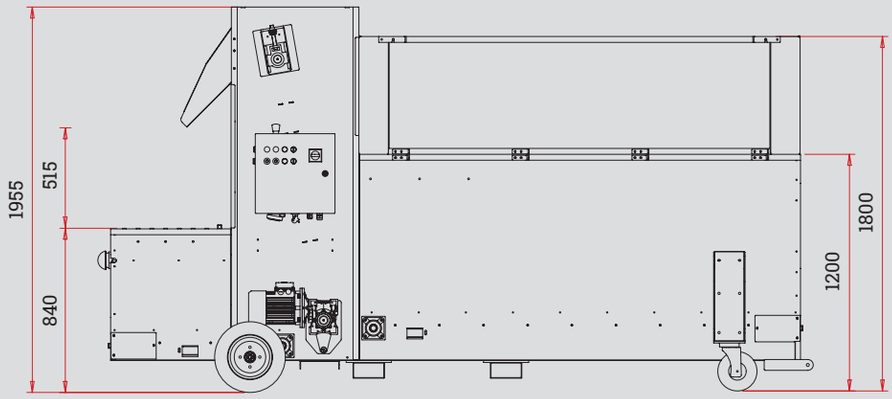


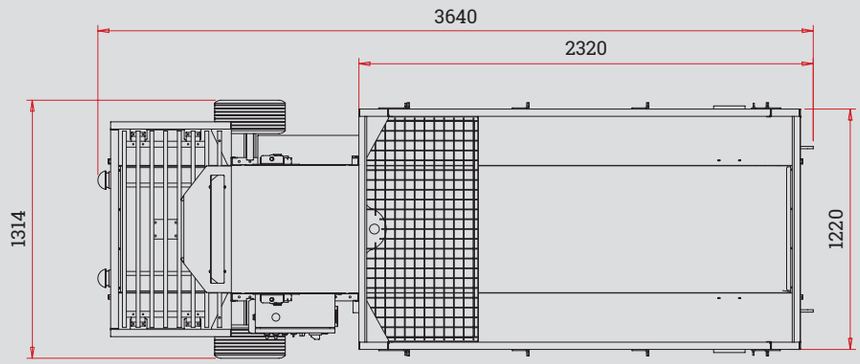
Potting machine **LI5**



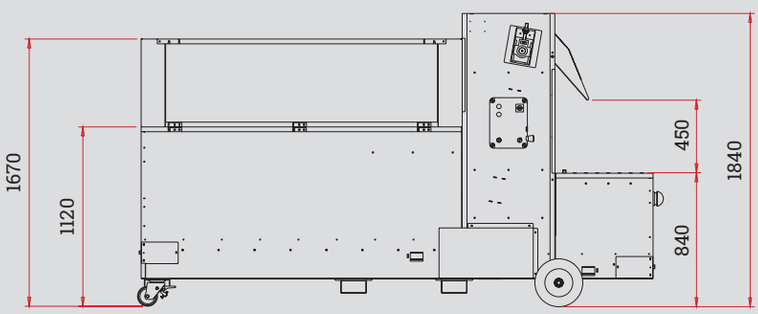


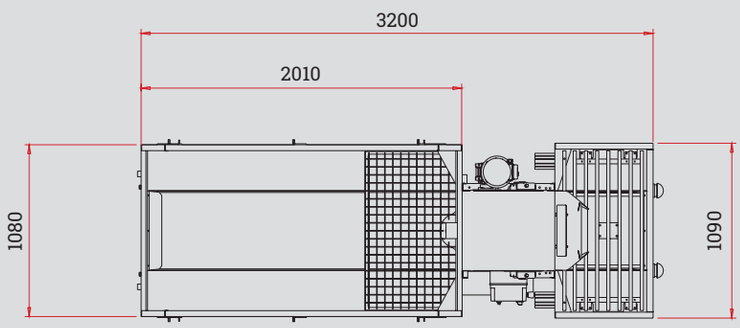
Potting machine **TV5**





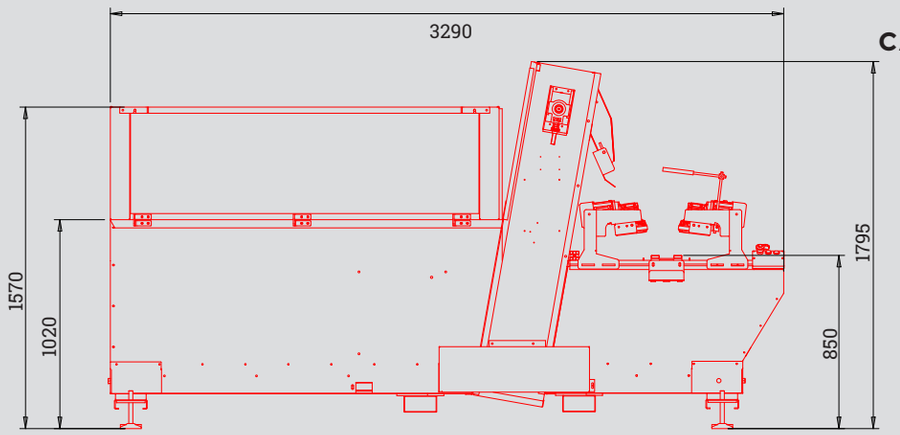
Potting machine **TV3**

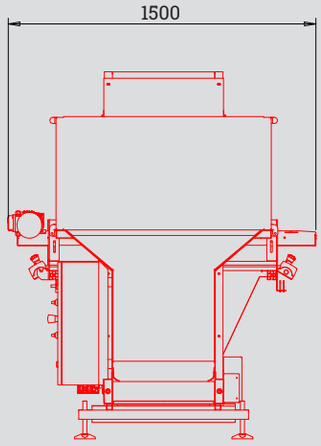




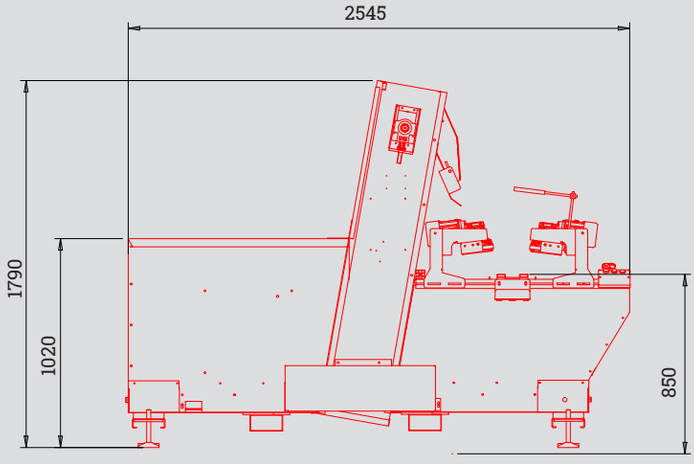
Potting machine **CA1-TR5 / CA1-TR5C**

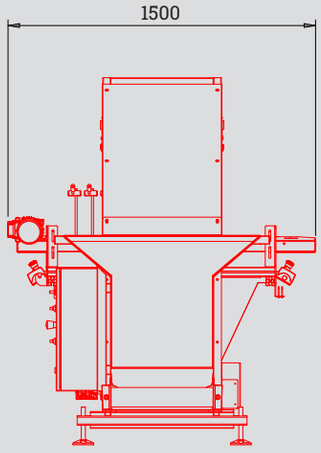
CA1-TR5



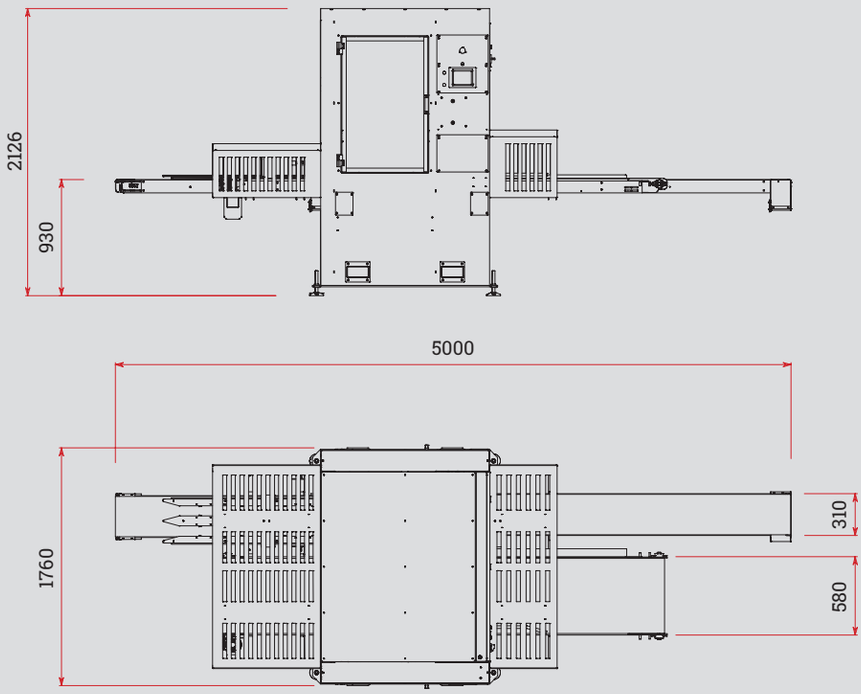


CA1-TR5C



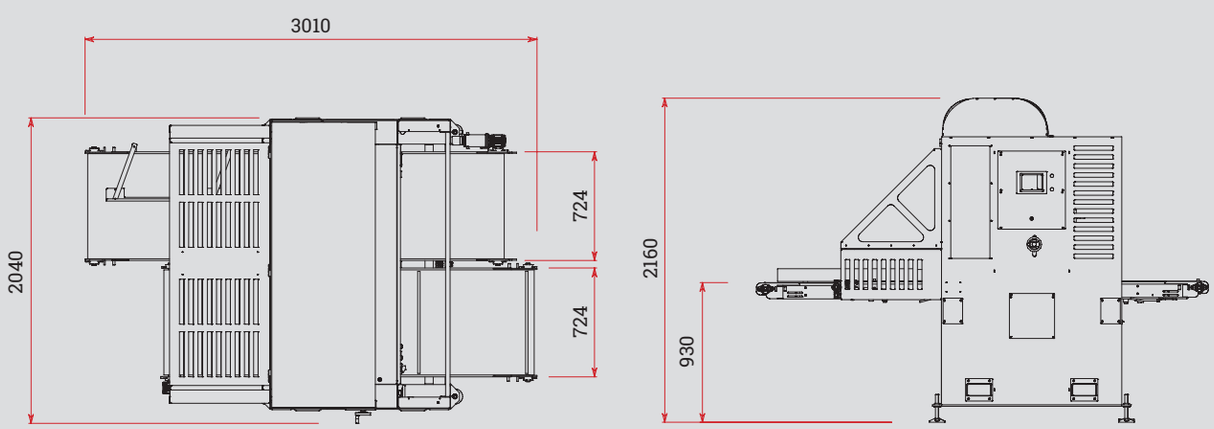


Transplanter **TP-MT**

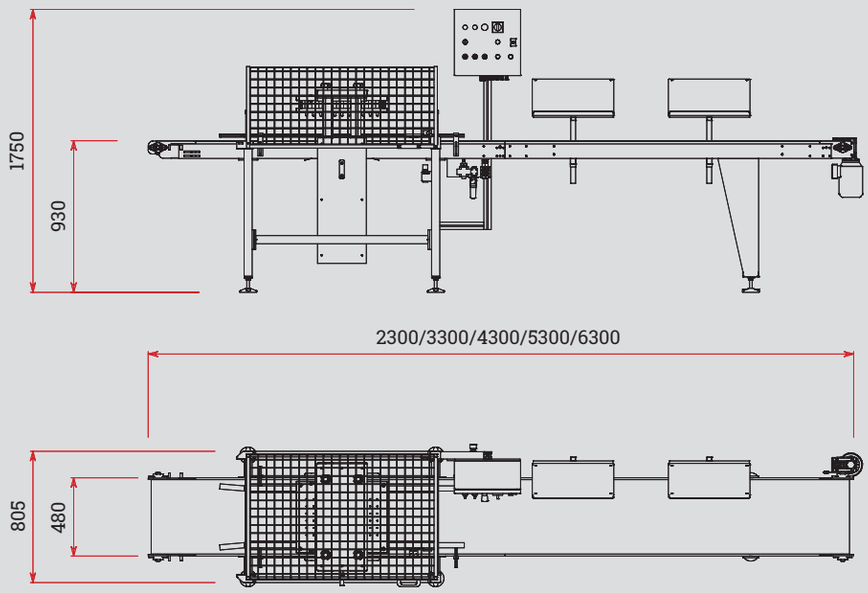


Transplanter **TP-M**

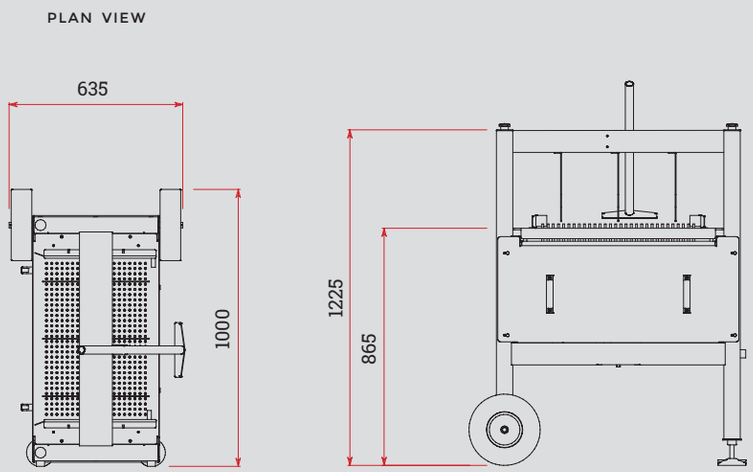
PLAN VIEW



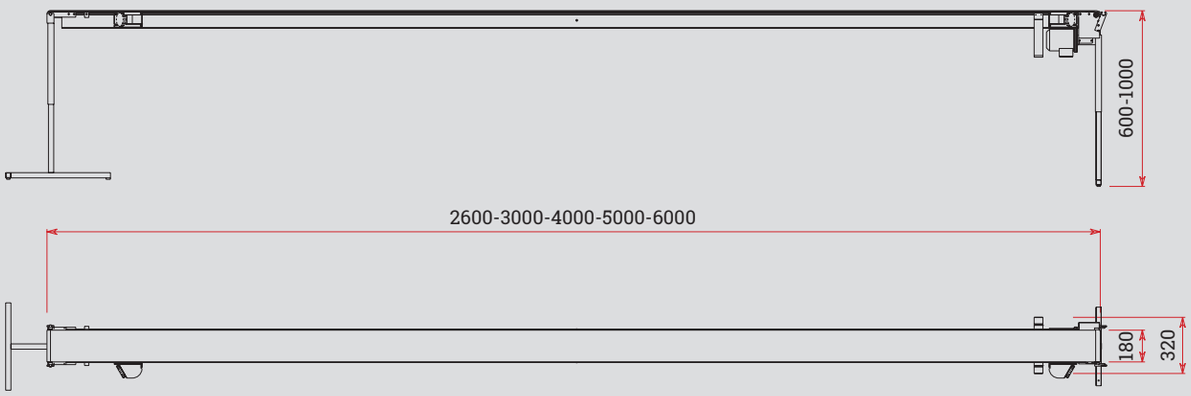
Transplant belt **NR**



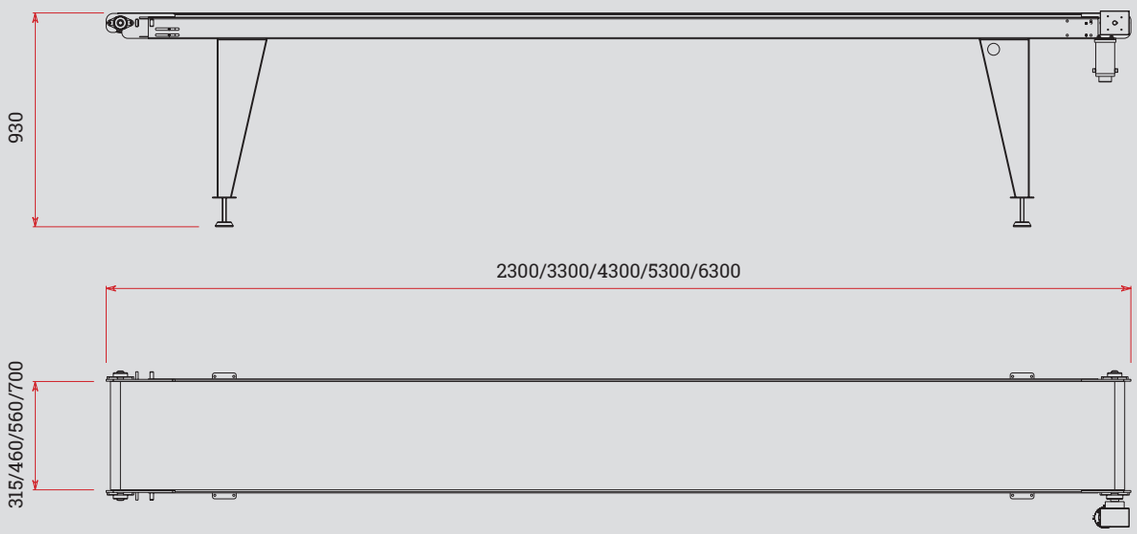
Plug popper **EPE**



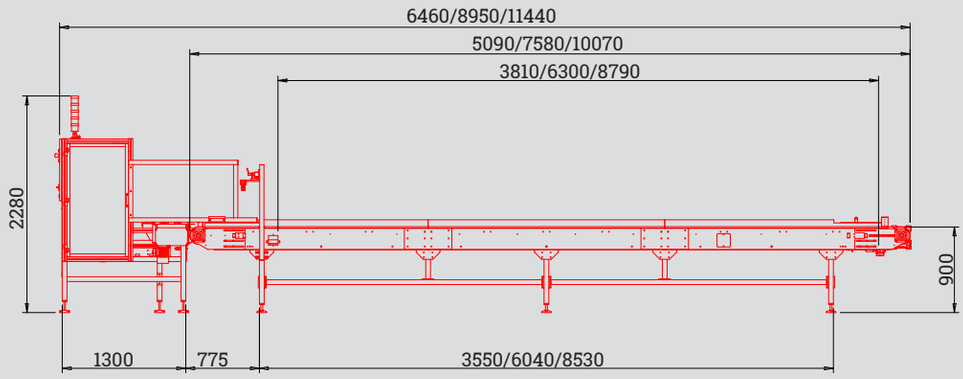
Conveyor belt **NT**

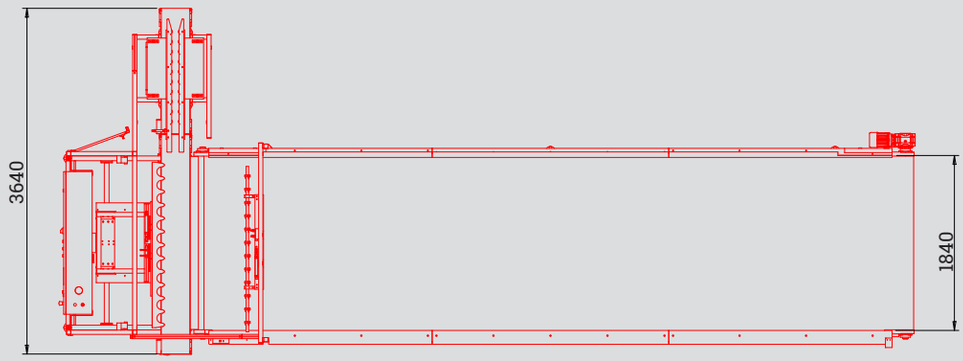


Conveyor belt **NS**

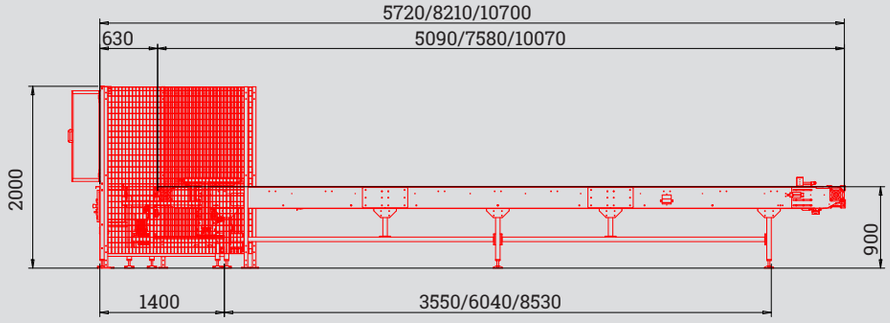


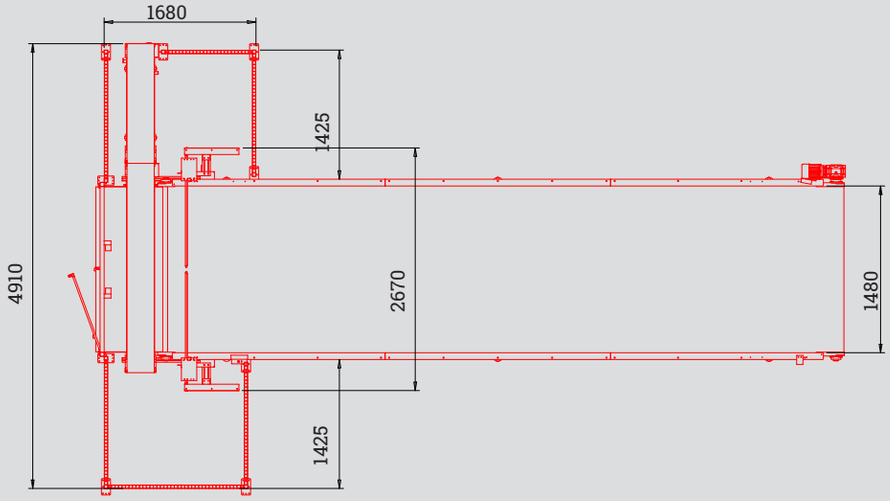
Bench for loading and unloading vases / trays **BC1**



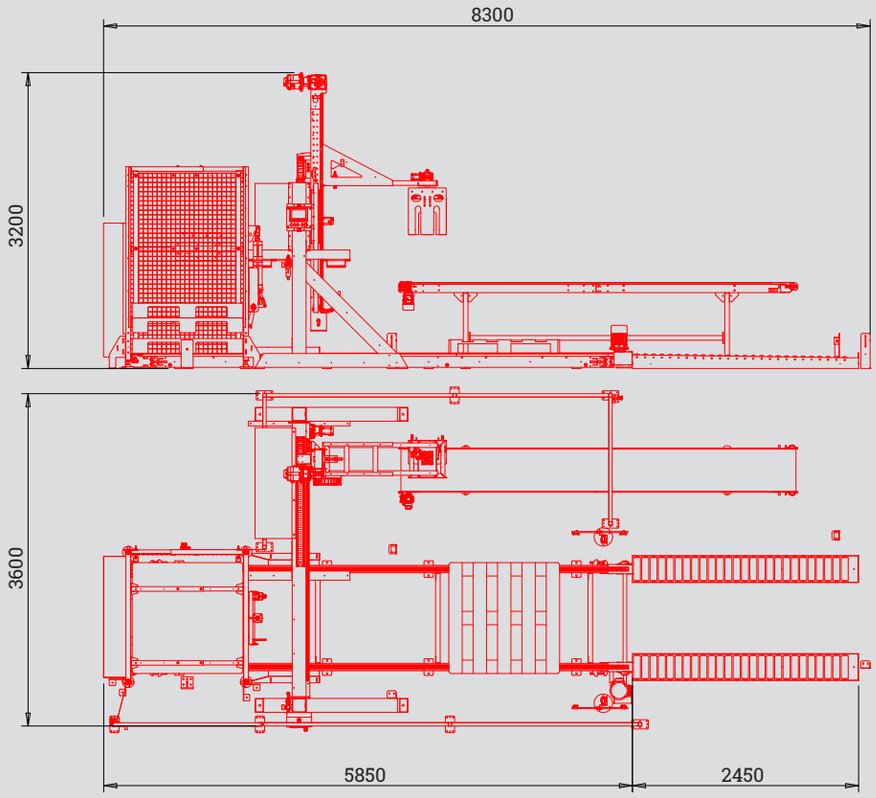


Bench for loading and unloading vases / trays **BS1**

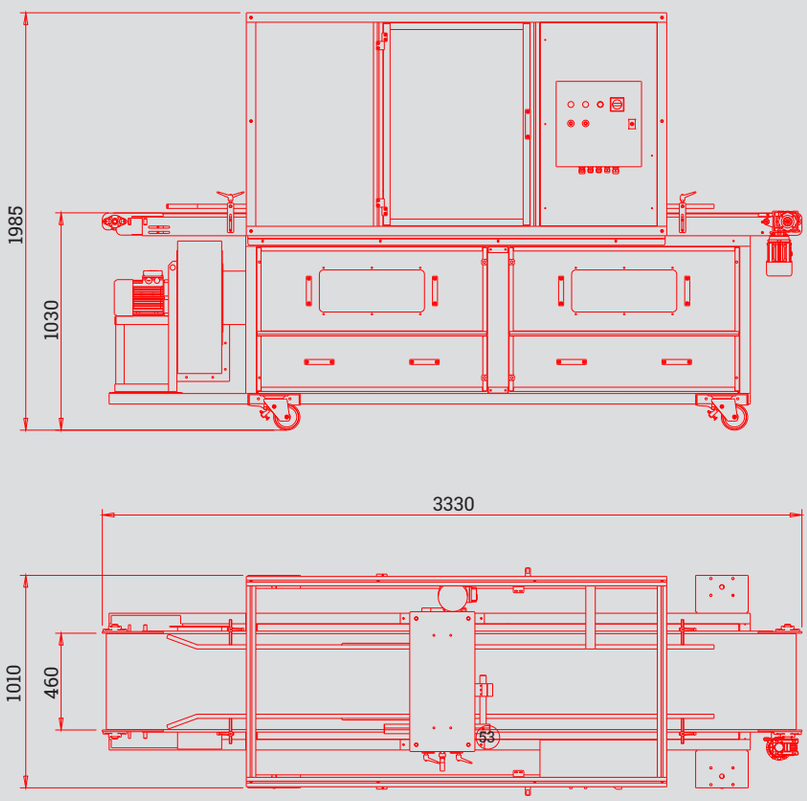




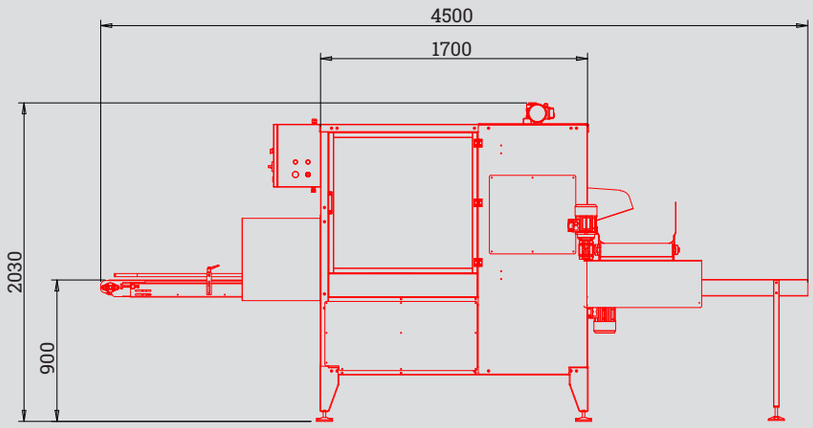
Palletizer **MF**

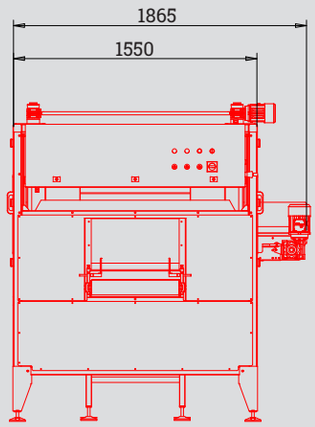


Plant trimmer **CP800**

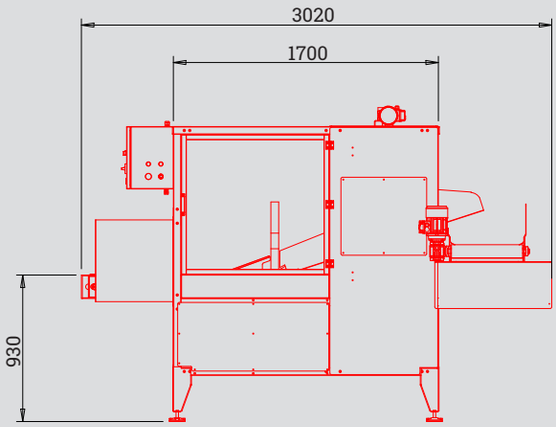


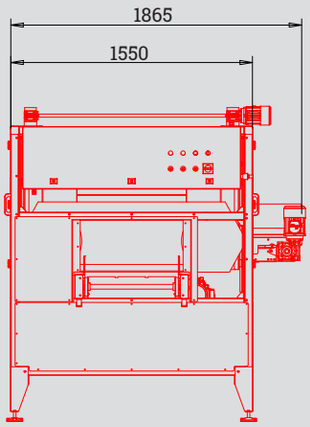
Baby leaf harvester **TE4**



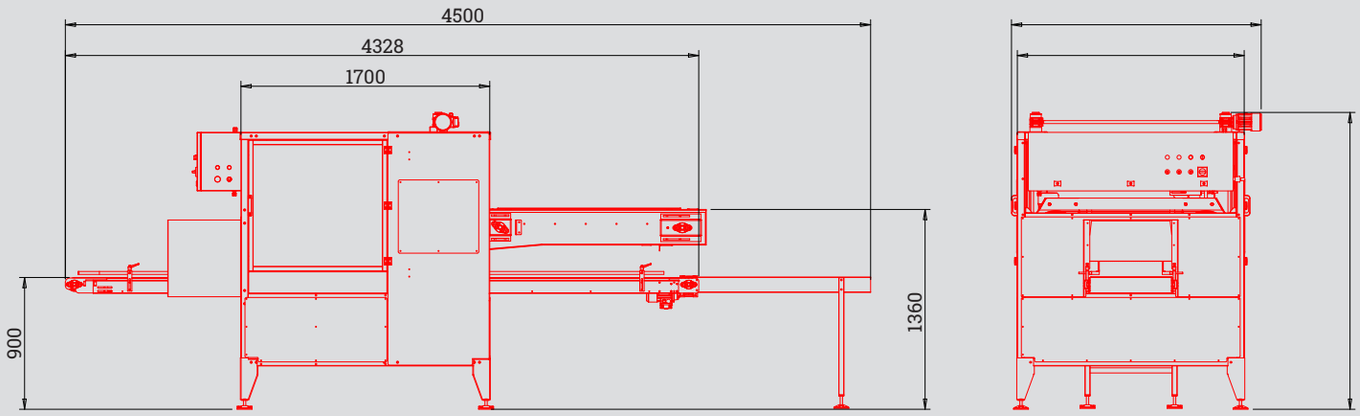


Baby leaf harvester **TE5**

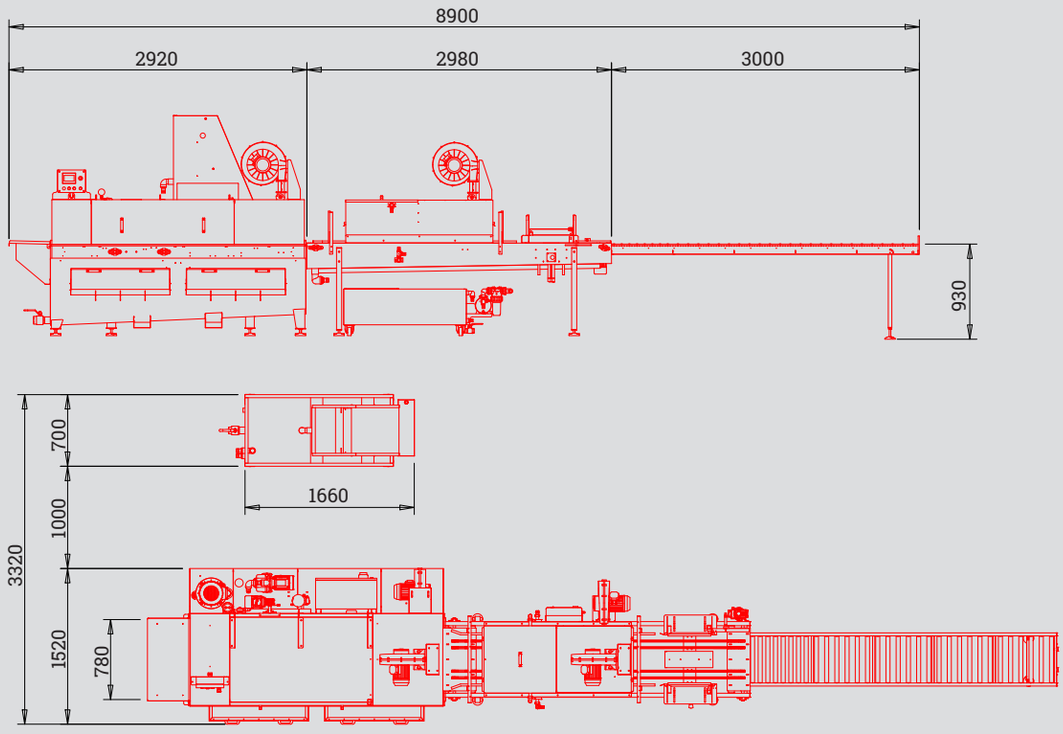




Baby leaf harvester **TE6**



Tray washer **LINEA LC1**



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