

TECHNICAL SPECIFICATIONS

- 1 Top seeds loading.
- 2 Control panel with 5.7" colour touch-screen.
 - Working height: 700 mm.
 - Seed drop height adjustable up to 100 mm.
 - It stores up to 99 programs.
 - Multiseeding function.
 - Quick self-centring guide adjustment system, to quickly adapt the guides to the width of the trays in use..
 - Available in left and right version.



Video



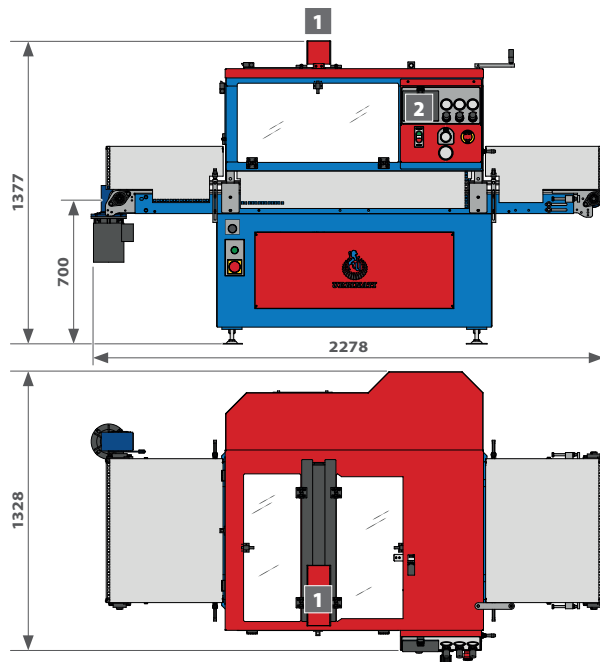
p. 34-35

DETAILS

p. 36-39

MAIN ACCESSORIES

- 17 18 19 20 21 22 23 24 26

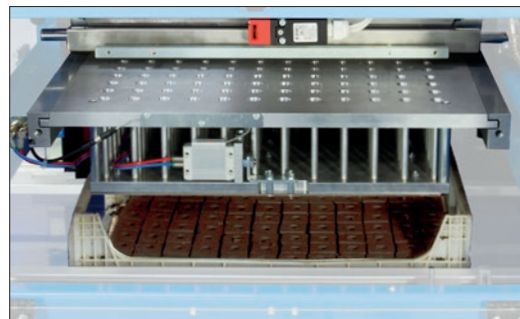


MACHINE DESCRIPTION

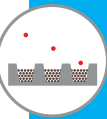
The SEMBLOCK plate seeder is a high-performance machine that is used to sow both inside trays and crates: a unique feature on the market.

It is the ideal solution for seeding in pressed peat cube or rock wool, and derivatives, cubes (Grodan, Jiffy), all combined with a high production with the ability to seed up to 800 containers per hour.

The modularity of the URBINATI machines allows the SEMBLOCK seeder to be connected to other machines: together with the PRESSATORBA machine it can be used to create a perfect soil-blocking line.



TECHNICAL DATA	M.U.	SEMBLOCK
HOURLY PRODUCTION (max)	containers/hour	800
TRAYS DIMENSIONS (max)	mm	600x400x150
CRATES DIMENSIONS (max)	mm	630x430x150
INSTALLED POWER	kW	5
VACUUM PUMP	model	PVA 1300
AIR CONSUMPTION (max)	l/min	150
WEIGHT	kg	320



SEMBLOCK
PLATE SEEDER - up to 800 containers/hour





DETAILS

SEEDING



Ergonomic panel for an easy control of all machine's functions.

INCLUDED ON:

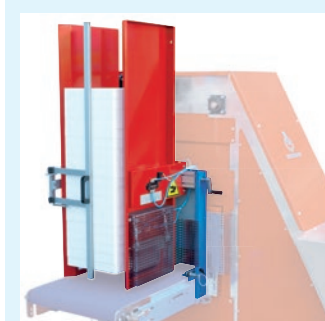
ALL SEEDING LINES



Colour touch-screen panel with intuitive graphic, easy to use for the operator.

INCLUDED ON:

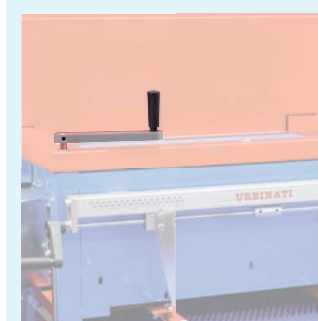
ALL SEEDING LINES



Tray denester **with 2 movements**, adjustable with one single crank.

INCLUDED ON:

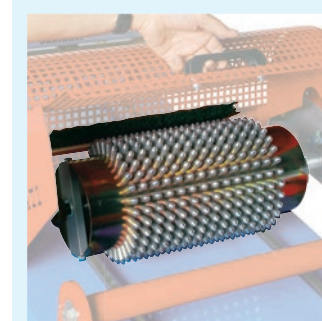
ALL SEEDING LINES



The adjustment of the tray's height, width and soil density is made with **functional cranks**.

INCLUDED ON:

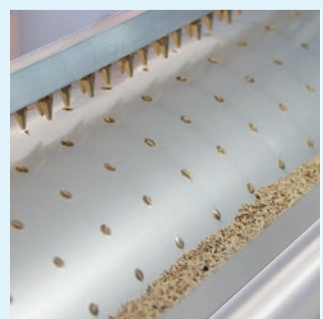
ALL SEEDING LINES



Driven dibbler with cleaning brush.

INCLUDED ON:

SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C



Excellent seeds' singularization thanks to the **double nozzles in the blowing bar**.

INCLUDED ON:

SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C



Easy and fast adjustment of seeding system's height and dibbler's depth, thanks to **comfortable cranks**.

INCLUDED ON:

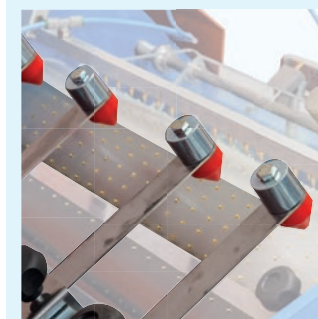
SIGMA80, ALFA65, BETA65/65C, YPSILON65/65C, KAPPA65C



Electric adjustment of the drums' height with touch-screen.

INCLUDED ON:

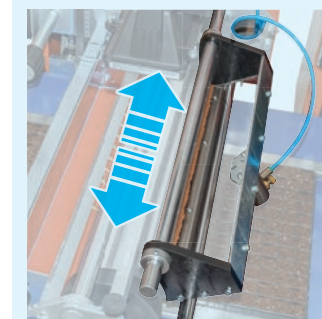
LAMBDA65/65C



Adjustable speed hammers: the vibration produced optimises the positioning of the seed in the centre of the hole.

INCLUDED ON:

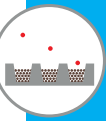
SIGMA80, ALFA65, BETA65/65C



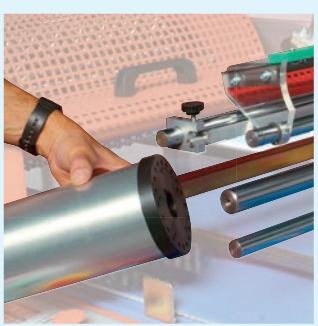
Oscillating seed holding plate to distribute the seeds **uniformly** all over the working width. It enables to work also with a small quantity of seed.

INCLUDED ON:

SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C



Thanks to the **modularity of the design**, our seeding lines and seeders **share common parts**.
The following pictures show some of the **most significant details**.



Fast and easy changing of the drum without any tool.

INCLUDED ON:

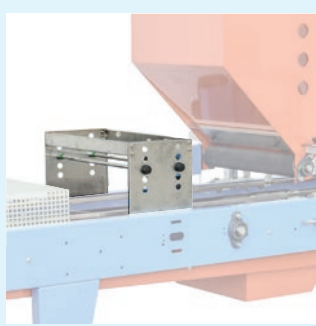
SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C



High-power vacuum pump: enables to use the same drum to sowing varieties of seeds of different weight.

INCLUDED ON:

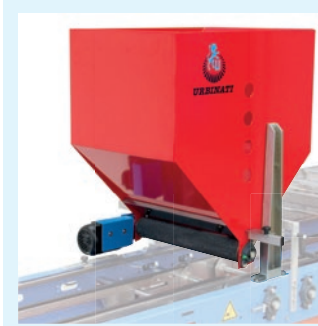
SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C



Watering unit with drilled bars modules: uniform watering thanks to the drilling precision, made with CNC machines.

INCLUDED ON:

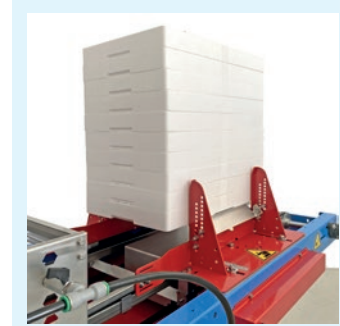
ALL SEEDING LINES



Covering unit for vermiulite: it allows to obtain an uniform surfaces, even using materials with non-homogeneous granulometry.

INCLUDED ON:

ALL SEEDING LINES



Stacking unit: easy and functional **balance stacker**.

INCLUDED ON:

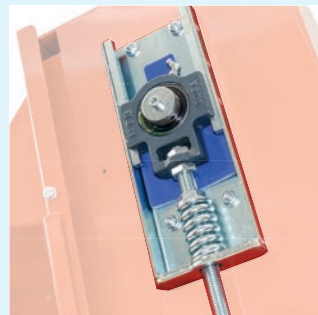
ALL SEEDING LINES



Quick self-centring guide adjustment system, to quickly adapt the guides to the width of the trays in use.

INCLUDED ON:

SIGMA80, ALFA65, BETA65, LAMBDA65, YPSILON65



Engineering solutions aimed to reduce and simplify the maintenance.

INCLUDED ON:

ALL SEEDING LINES



Strong manufacturing and lasting materials: the parts in contact with soil and water are in stainless steel or are hot-dip galvanized, to avoid corrosion over time.

INCLUDED ON:

ALL SEEDING LINES



Seeding plate on **sliding guides** for a **fast change**.

INCLUDED ON:

SEMBLOCK





MAIN ACCESSORIES

SEEDING



Feeding belt for empty trays stacks, for denester.

1

AVAILABLE ON:

ALL SEEDING LINES

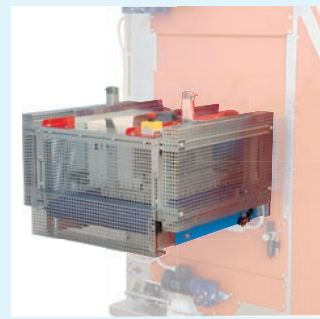


Denester for heavy plastic trays at injection in polypropylene PP.

2

AVAILABLE ON:

ALL SEEDING LINES

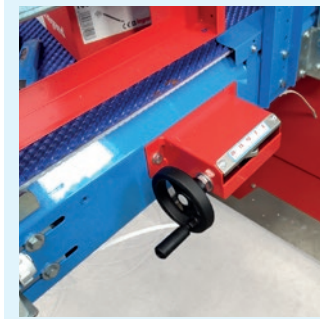


Electropneumatic denester with 3 movements for thermoformed trays PE - PET.

3

AVAILABLE ON:

ALL SEEDING LINES



Adjustment device for trays with legs.

4

AVAILABLE ON:

ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C, KAPPA65C



Fertilizer distributor.

5

AVAILABLE ON:

SIGMA80, ALFA65, BETA65, LAMBDA65, YPSILON65



Belt for the recycling soil for tray filler.

6

AVAILABLE ON:

BETA65C, LAMBDA65C, YPSILON65C, KAPPA65C



Flat dibbler for pots.

7

AVAILABLE ON:

ALL SEEDING LINES AND SEEDERS with drum seeding system.

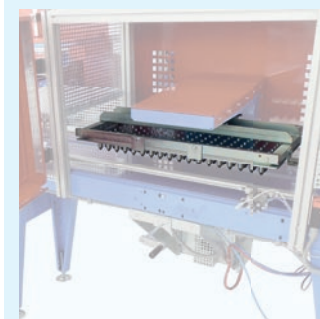


Oscillating cleaning brush for dibbler: particularly suitable in the presence of damp soils.

8

AVAILABLE ON:

SIGMA80, ALFA65, BETA65/65C, SEMBETA65



Dibblingbelt mod. NI: to make holes with a depth greater than 20 mm or recommended in combination with seeders configured with seed drums only.

9

AVAILABLE ON:

LAMBDA65/65C, SEMLAMBDA65



Seeding bar kit: it includes one nozzle bar, one tube descent bar and one dibbler bar.

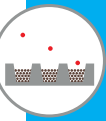
10

AVAILABLE ON:

KAPPA65C, SEMKAPP65, SEMSF13



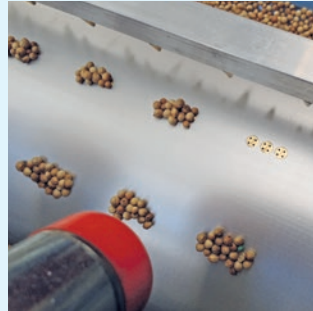
These MAIN ACCESSORIES **improve further the performance** and the productivity of our seeding lines and seeders.
Our **engineering dept.** is at your disposal **to suggest the best solutions** for your needs.



- 11** Complete **drum seeding kit**: it includes one dibbler, one sowing drum and two nozzle bars.

AVAILABLE ON:

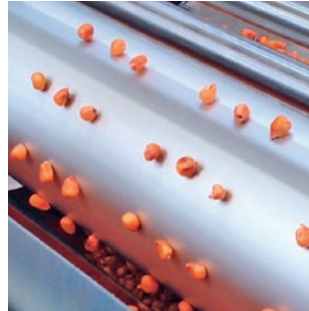
SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C, SEMBETA65, SEMLAMBDA65, SEMYPSILON65



- 12** Sowing **drum with multi-hole nozzles** for aromatics, microgreens etc.

AVAILABLE ON:

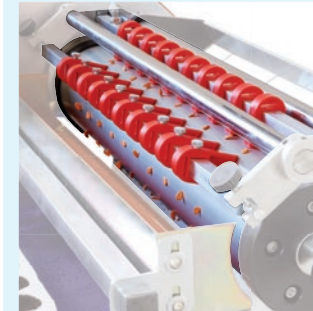
SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C, SEMBETA65, SEMLAMBDA65, SEMYPSILON65



- 13** Sowing drum for **sectorized containers**.

AVAILABLE ON:

SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C, SEMBETA65, SEMLAMBDA65, SEMYPSILON65



- 14** **Air bars** with labyrinths suitable to work with **big seeds**.

AVAILABLE ON:

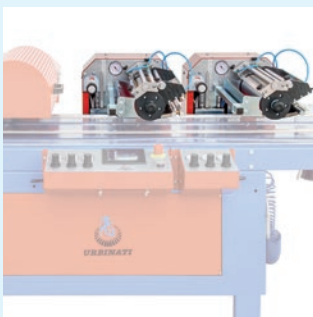
SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C, YPSILON65/65C, SEMBETA65, SEMLAMBDA65, SEMYPSILON65



- 15** **Drum for big seeds**: in the image, the made-to-measure sowing drum by URBINATI for acorns' sowing.

AVAILABLE ON:

ALFA65, BETA65/65C, SEMBETA65



- 16** **Second/third sowing drum**.

AVAILABLE ON:

Second drum: SIGMA80, ALFA65, BETA65/65C, SEMBETA65
Second/third drum: LAMBDA65/65C, SEMLAMBDA65



Localized vermiculite cover unit for trays:

allows to drop vermiculite in a determinate area.
Ideal to avoid waste of vermiculite.



Localized cover unit and volumetric seeding for pots in pot holders:

allows **to cover individual pots** fitted into marketing trays, **or to sow some varieties** of ornamental plants (e.g. palms), vegetables (e.g. peas, beans) and aromatic (e.g. coriander)





MAIN ACCESSORIES

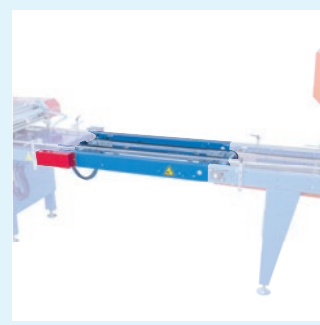
SEEDING



Aluminium seeding plate with seed drop drawer with pneumatic opening.

17

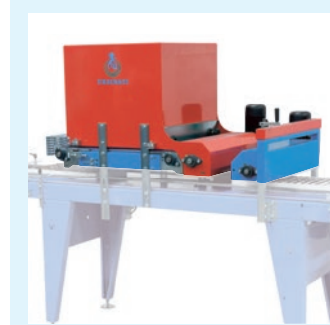
AVAILABLE ON:
SEMBLOCK



Seed inspection to easily check the sown trays.

18

AVAILABLE ON:
ALL SEEDING LINES AND SEEDERS
AND *except* SEMSF13



Covering unit for soil and similar composts, complete with brush for trays cleaning.

19

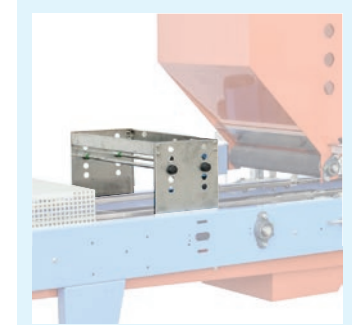
AVAILABLE ON:
ALL SEEDING LINES AND SEEDERS
except SEMSF13



Watering unit, triget nozzles module: supplied as an alternative or to supplement the drilled bars module.

20

AVAILABLE ON:
ALL SEEDING LINES AND SEEDERS
except SEMSF13



Watering unit, drilled bars module: the number of modules and the quantity of bars included in a line can be configured according to requirements.

21

AVAILABLE ON:
ALL SEEDING LINES AND SEEDERS
except SEMSF13



Stacking unit: automatic balance stacker.

22

AVAILABLE ON:
ALL SEEDERS *except* SEMSF13



Idle roller conveyor for container accumulation.

23

AVAILABLE ON:
ALL SEEDING LINES AND SEEDERS
except SEMSF13



Accumulation belt for high productivity. Available in a variety of lengths.

24

AVAILABLE ON:
ALL SEEDING LINES AND SEEDERS
except SEMSF13



EAC automatic labelling machine: to print and apply labels on the exiting containers from the denester.

25

AVAILABLE ON:
ALL SEEDING LINES

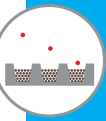


Frame completely made of stainless steel AISI304.

26

AVAILABLE ON:
ALL SEEDING LINES AND SEEDERS
except SEMSF13





27

Soil feeding of the covering unit.

AVAILABLE ON:

SIGMA80, ALFA65, BETA65, LAMBDA65, YPSILON65

28

Double sowing drum.

AVAILABLE ON:

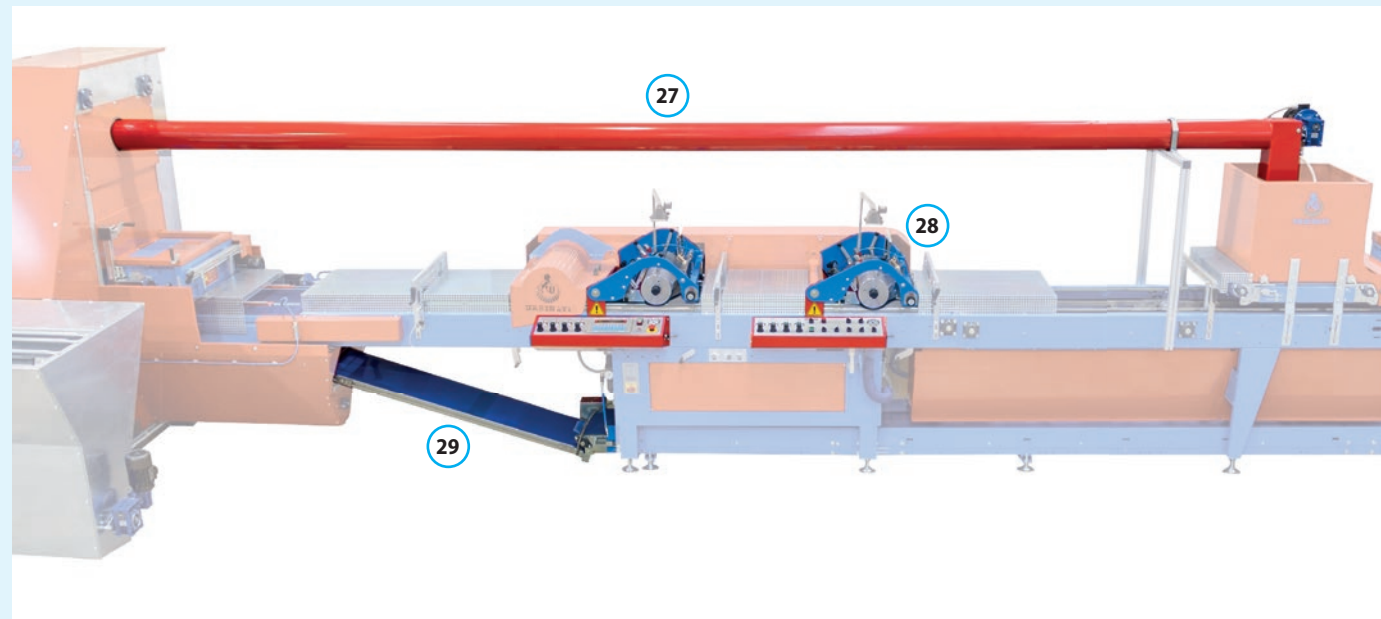
SIGMA80, ALFA65, BETA65/65C, LAMBDA65/65C,
SEMBETA65, SEMLAMBDA65

29

Automatic recycling of the exceeding soil.

AVAILABLE ON:

SIGMA80, ALFA65, BETA65, LAMBDA65, YPSILON65

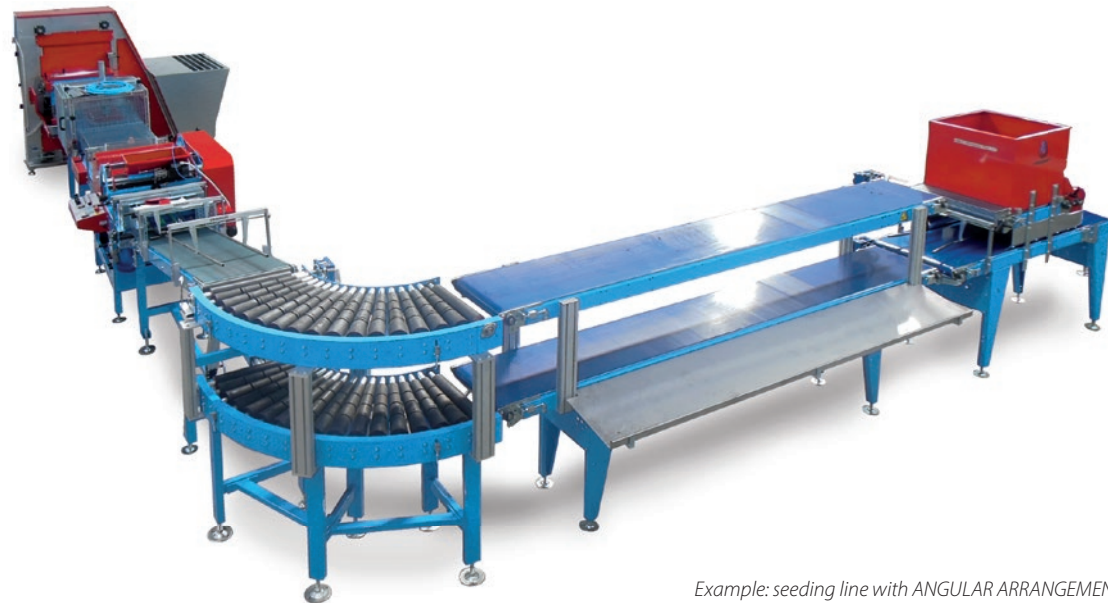


30

Motorised 90° roller conveyor equipped with container guides.

AVAILABLE ON:

ALL SEEDING LINES



Example: seeding line with ANGULAR ARRANGEMENT.

