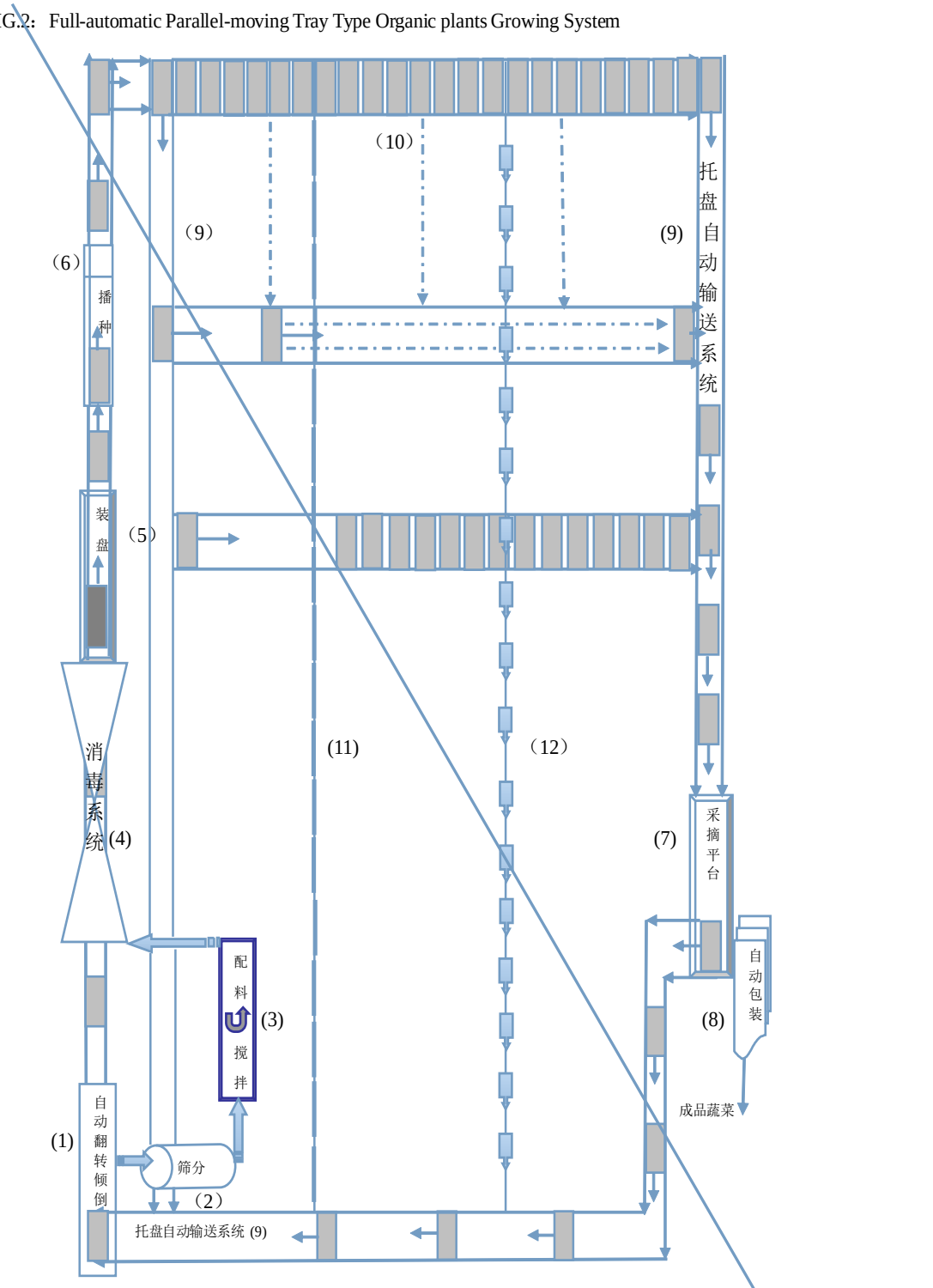
FIG.1 Union Building greenhouses



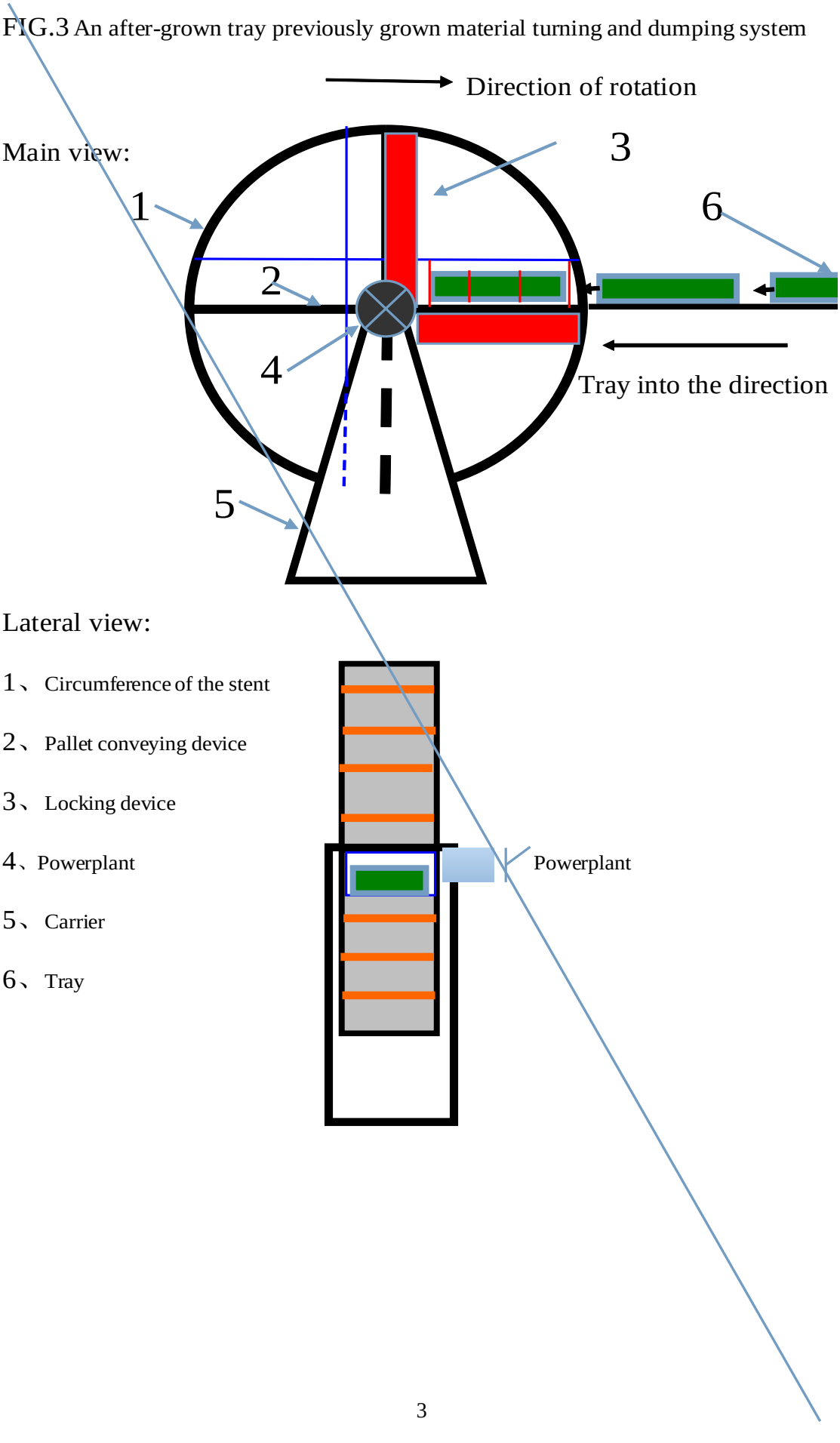


FIG.2：Full-automatic Parallel-moving Tray Type Organic plants Growing System



（1）Auto Flip dumping system　　（2）Automatic Screening system
（3）Automatic Ingredients mixing system　（4）Automatic Disinfection System
（5）Automatic transfer to a plate system　（6）Automatic seeding system
（7）Automatic harvesting system　　（8） Automatic Packaging Systems
（9）Automatic pallet conveyor system　　（10）Tray parallel movement planting system
（11）Automatic watering systems by water curtain　（12）Automatic monitoring system

FIG.3 An after-grown tray previously grown material turning and dumping system



1、 Circumference of the stent

2、 Pallet conveying device

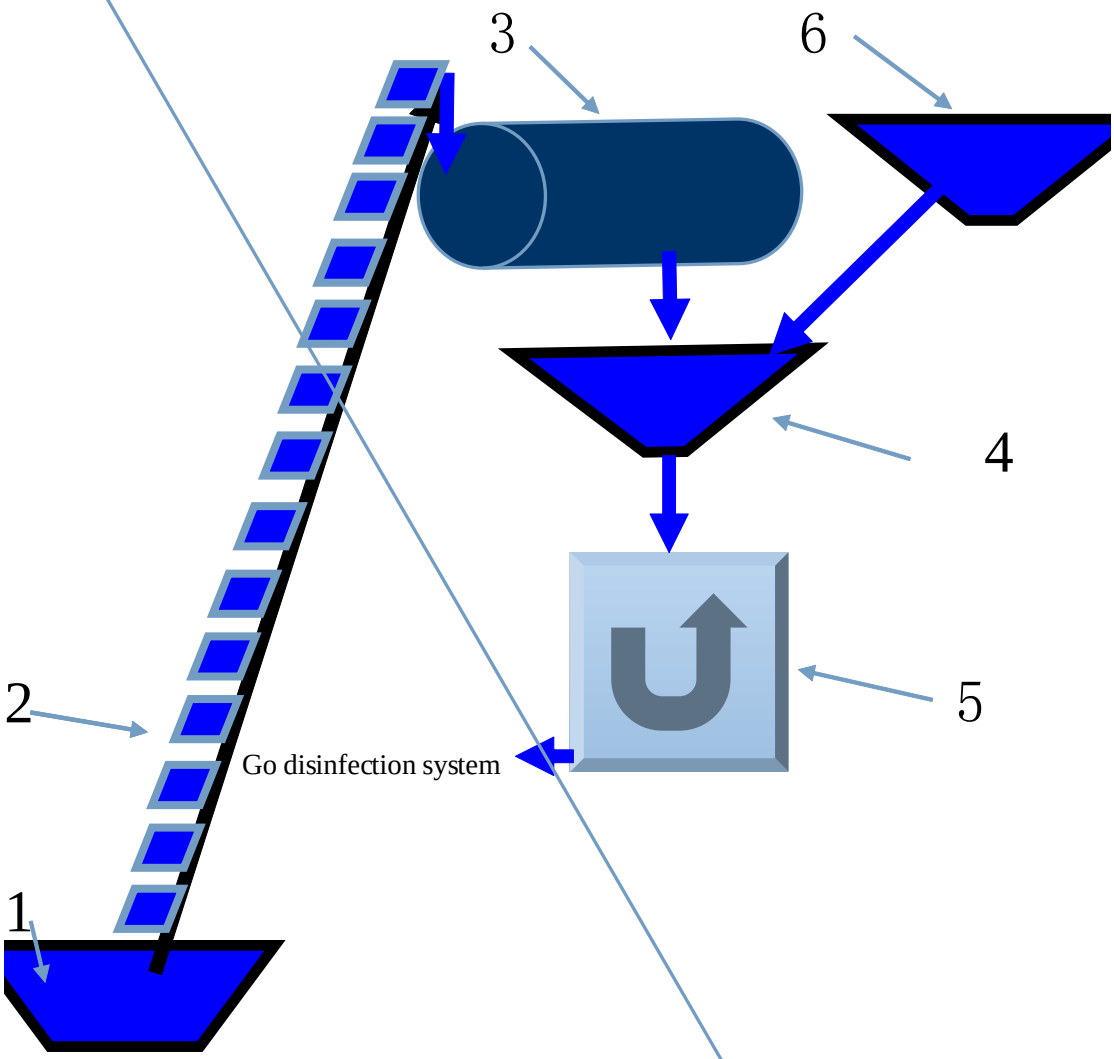
3、 Locking device

4、Powerplant

5、 Carrier

6、 Tray

FIG.4 An automatic screening and batching system



1、Auto Flip dumping system storage silos

2、Bucket elevator

3、Drum screening machine

4、Ingredients positions

5、Homogenizing mixer

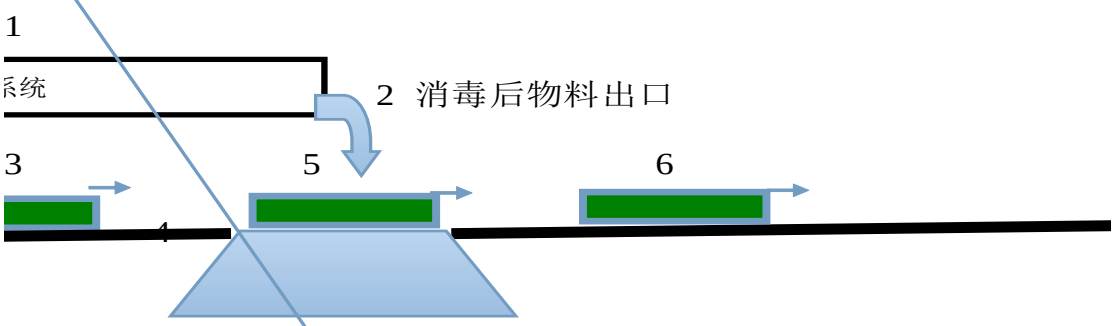
6、Raw material storage silos

FIG.5 a grown material automatic disinfection system



FIG.6 A grown material automatic loading system

Main view



1、Disinfection System

2、After disinfection materials exports

3、Empty pallet

4、Automatic weighing control the discharge port switch devices

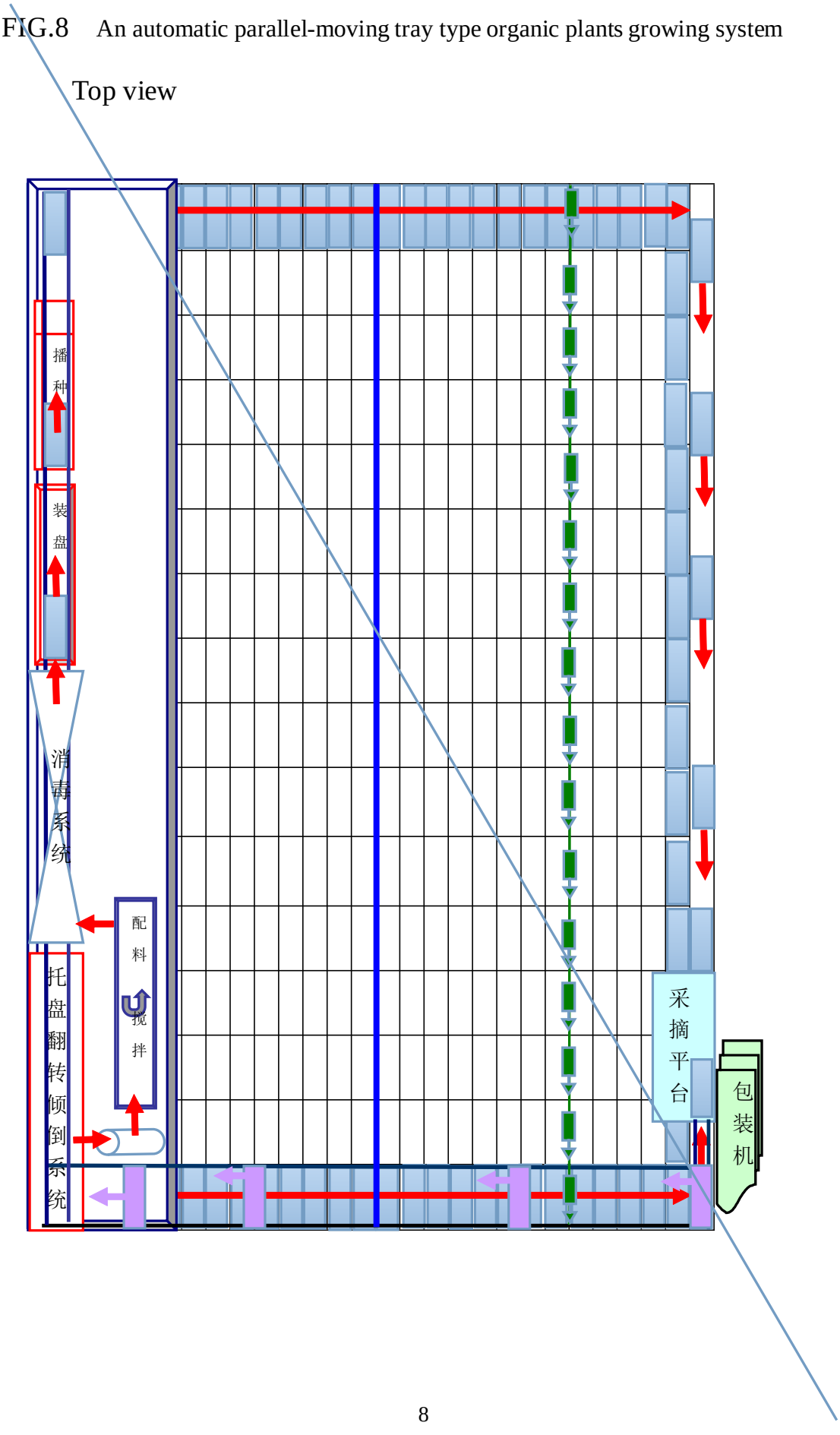
5、Retrieving Loading pallet

6、Material has been filled pallets

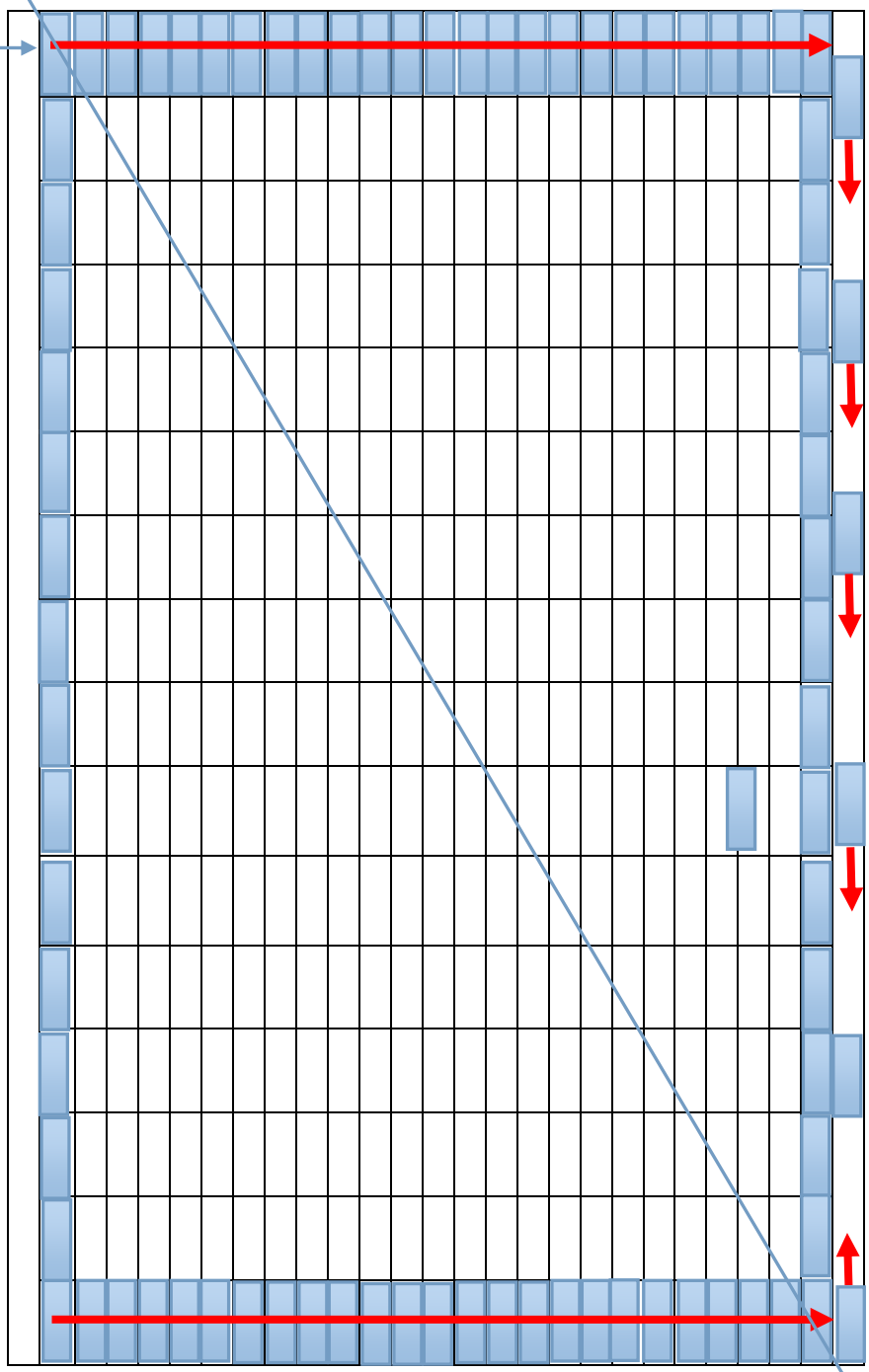
FIG. 7 An automatic sowing system



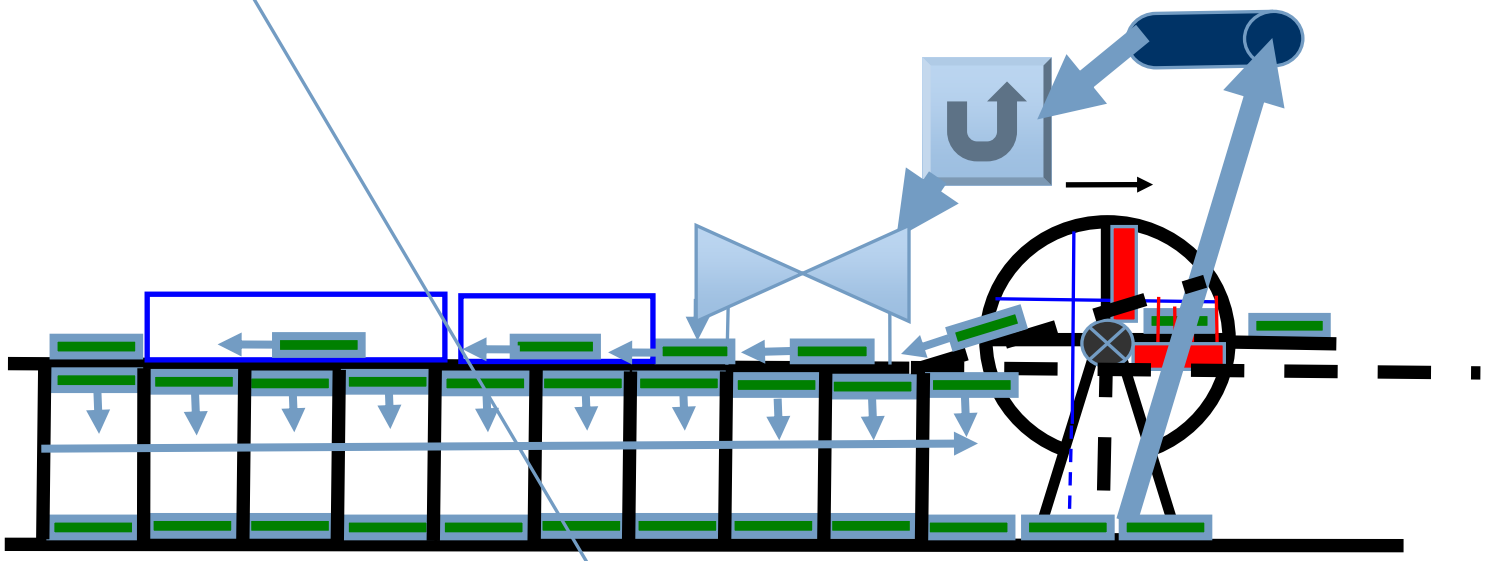
FIG.8 An automatic parallel-moving tray type organic plants growing system



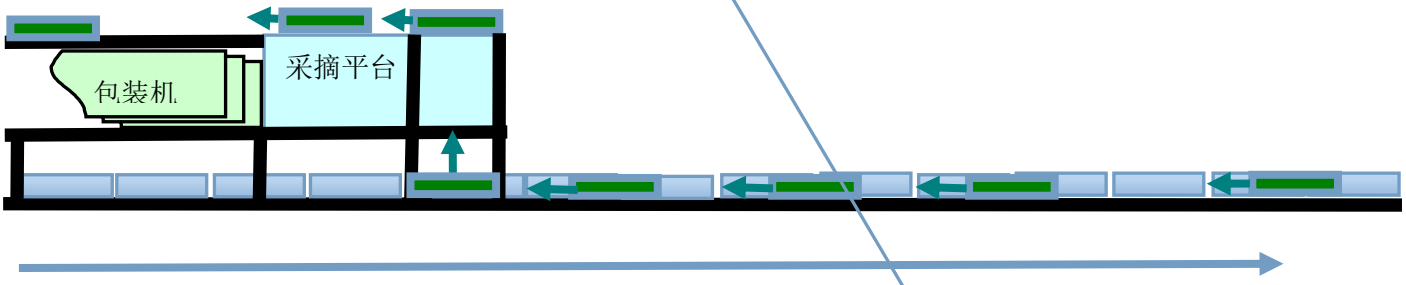
A top view (plan view after removal of the second layer)



Left side view



Right side view：



Main view：

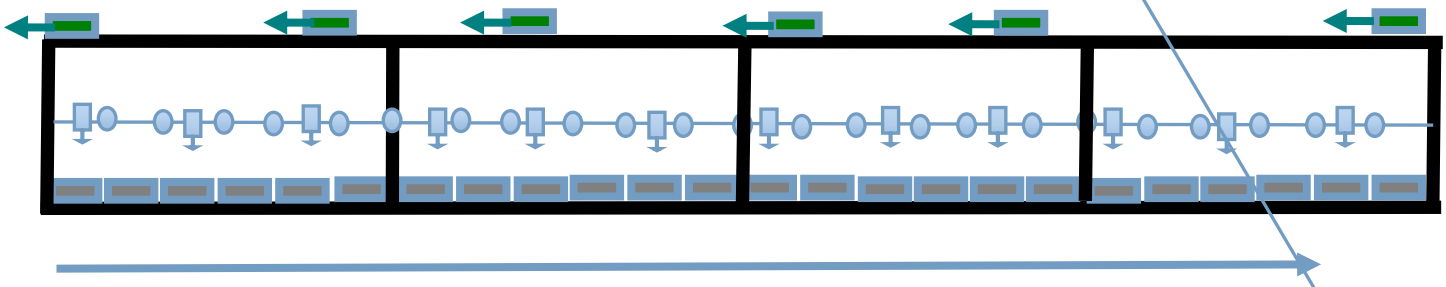


Fig. 9 A plants automatic picking and sorting system

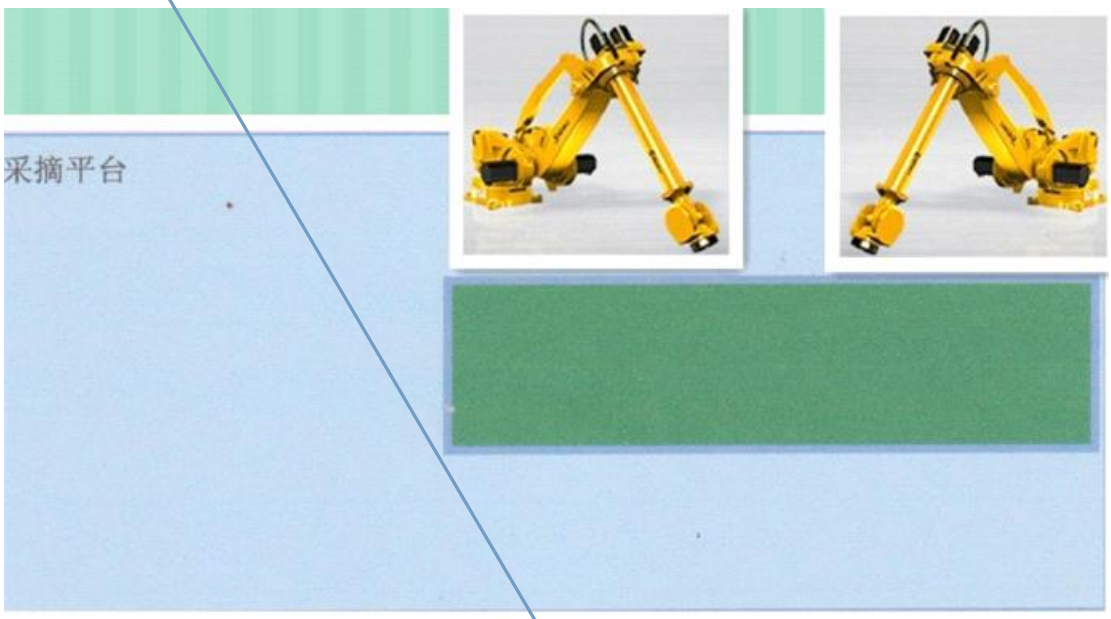
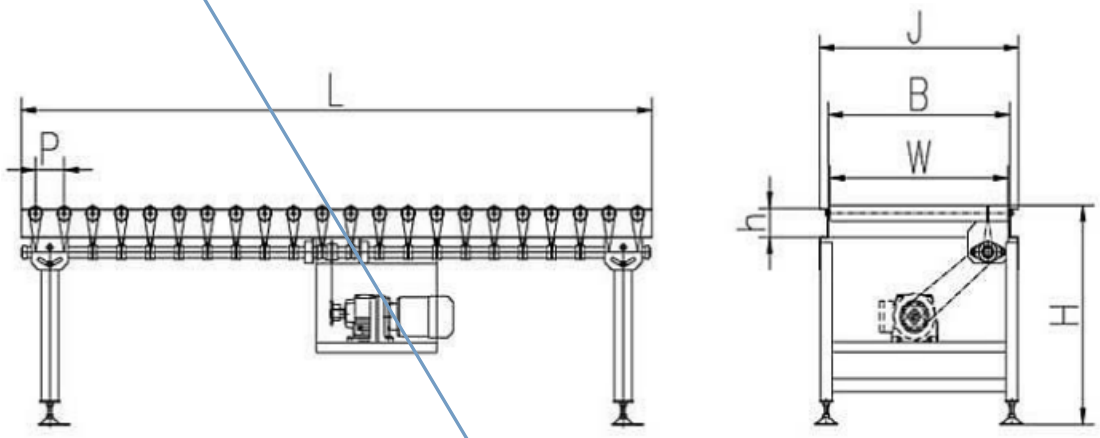


FIG 10 A plants automatic packaging system



FIG11、Automatic power roller chain conveyor system tray Automatically

Schematic:



Physical map



FIG12：Water curtain automatic watering system：

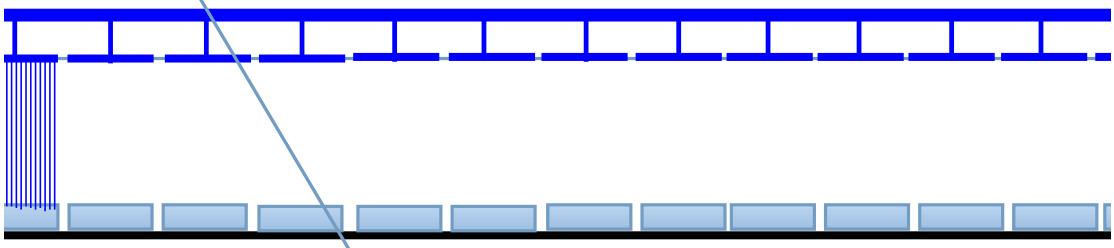
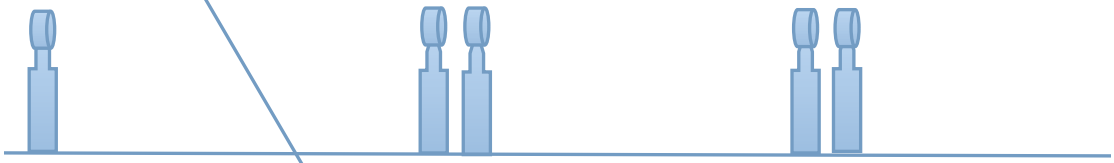


FIG13：Roller bearing slide tray conveyor system

Main view：



Left side view:

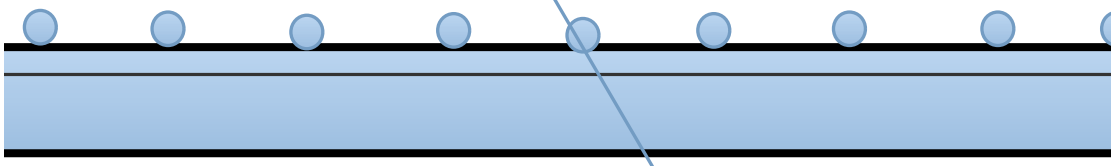
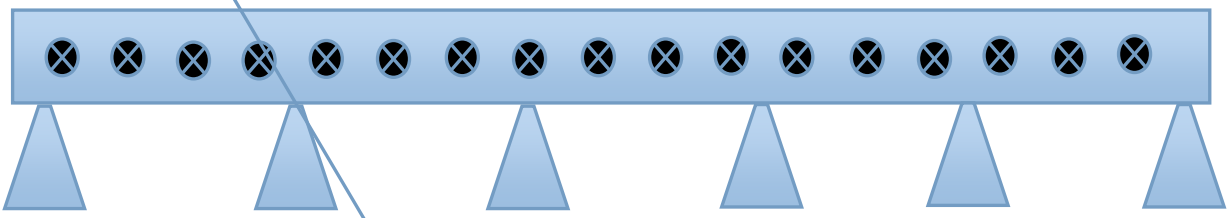


FIG14:Automatic Of the screw push system tray

Main view：



Top view：

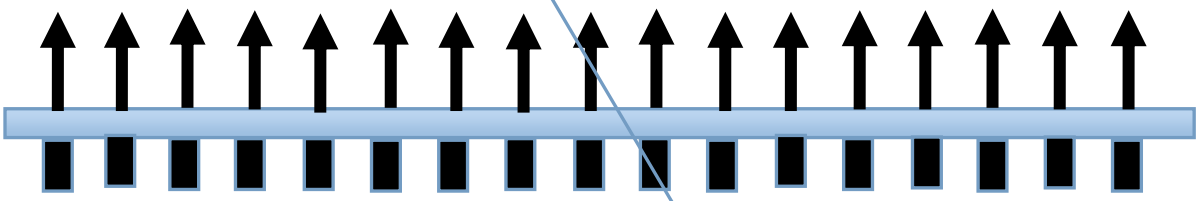


FIG15：Stainless steel trays for use planting

Main view：



Lateral view：



Top view：

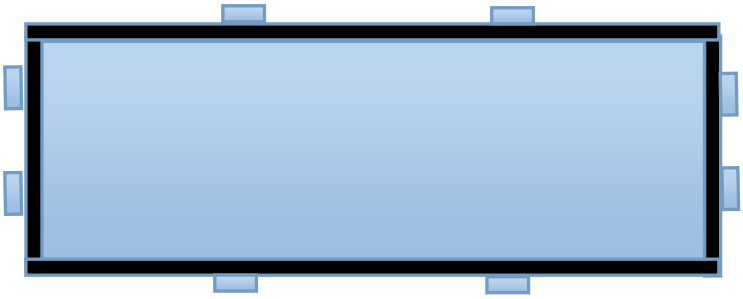


FIG.1 Union Building greenhouses

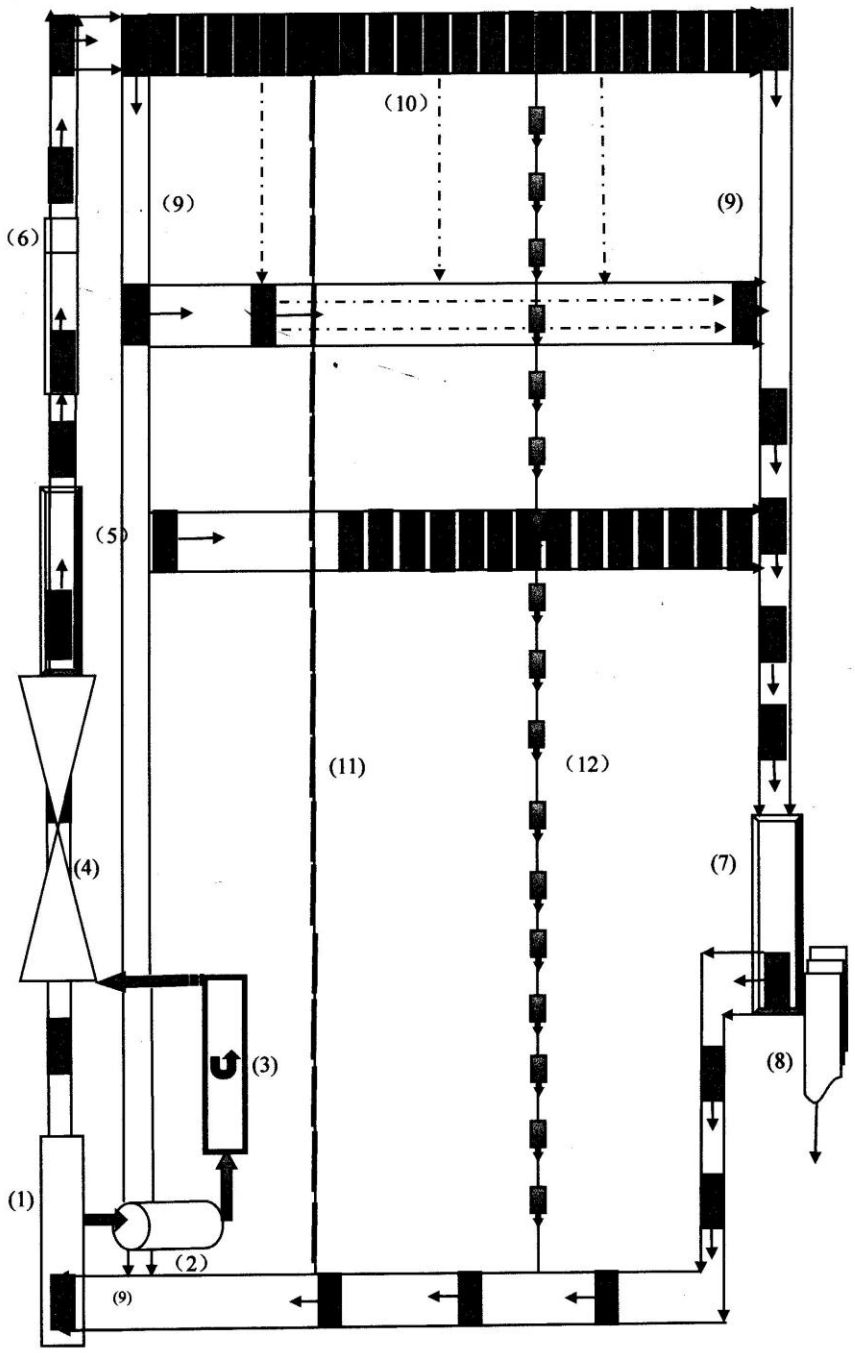
Outside



Inside

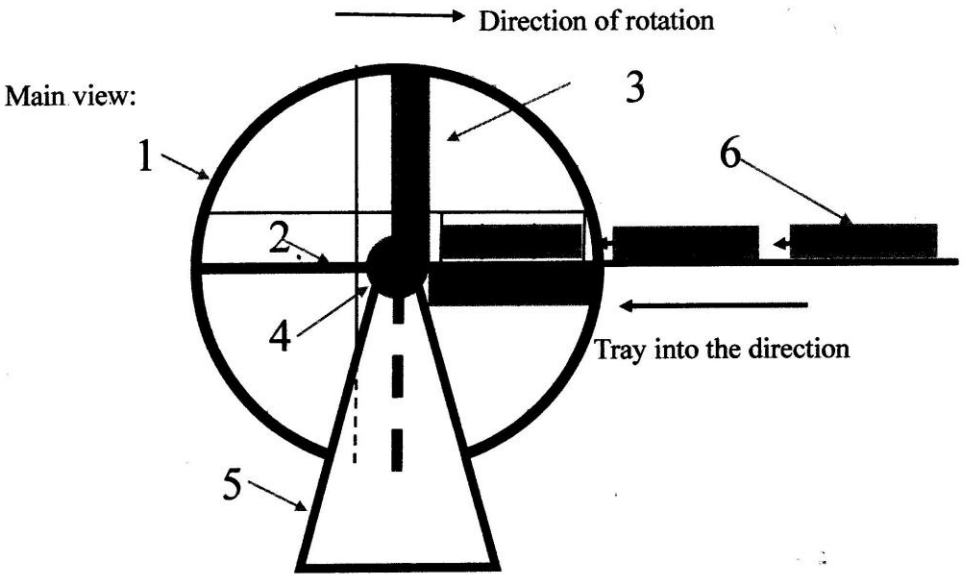


FIG.2: Full-automatic Parallel-moving Tray Type Organic plants Growing System



(1) Auto Flip dumping system
(2) Automatic Screening system
(3) Automatic Ingredients mixing system
(4) Automatic Disinfection System
(5) Automatic transfer to a plate system
(6) Automatic seeding system
(7) Automatic harvesting system
(8) Automatic Packaging Systems
(9) Automatic pallet conveyor system
(10) Tray parallel movement planting system
(11) Automatic watering systems by water curtain
(12) Automatic monitoring system

FIG.3 An after-grown tray previously grown material turning and dumping system



Lateral view:

1、Circumference of the stent

2、Pallet conveying device

3、Locking device

4、Powerplant

5、Carrier

6、Tray

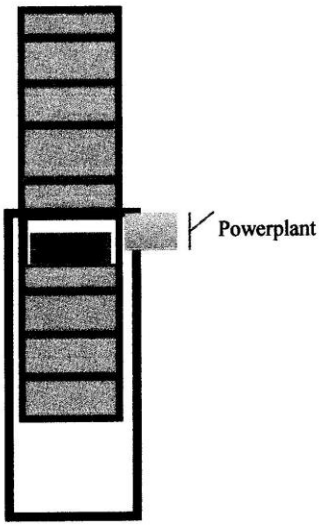
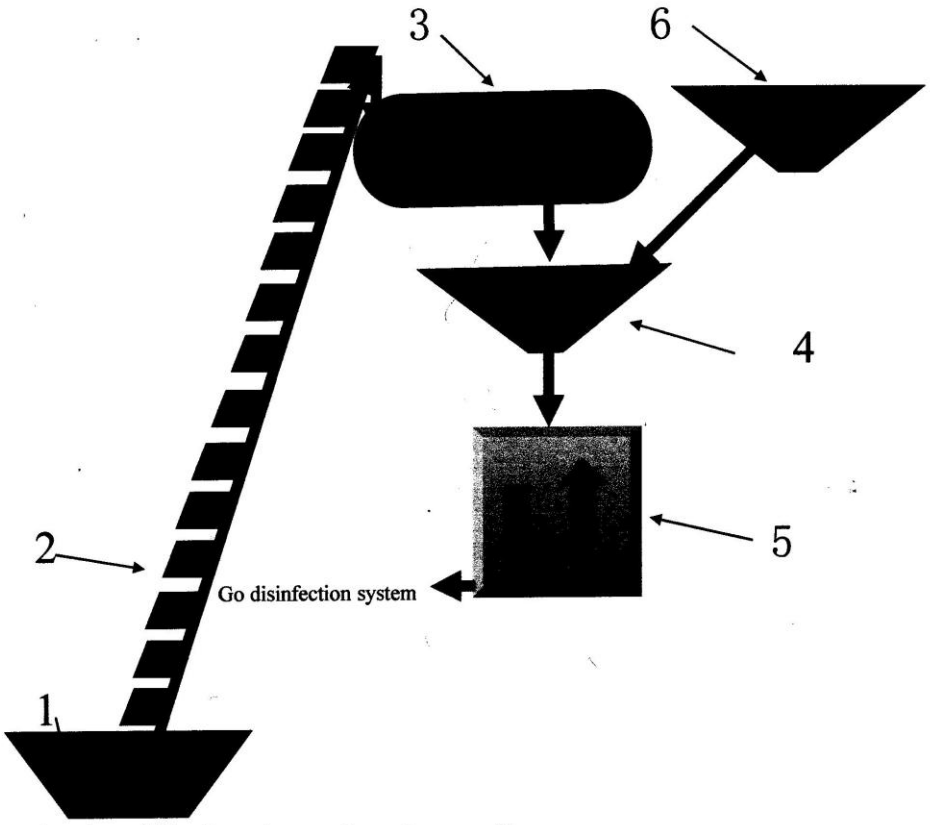


FIG.4 An automatic screening and batching system



1、Auto Flip dumping system storage silos

2、Bucket elevator

3、Drum screening machine

4、Ingredients positions

5、Homogenizing mixer

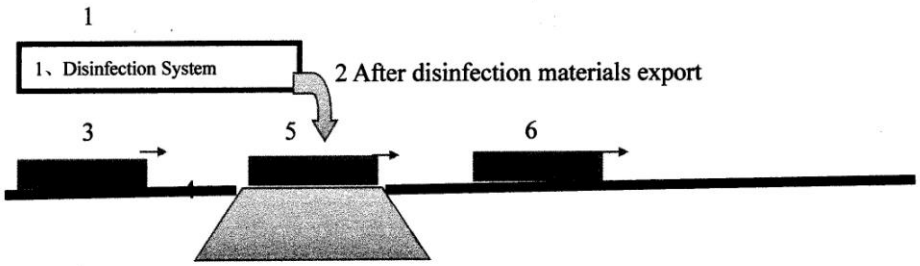
6、Raw material storage silos

FIG.5 Automatic disinfection system



FIG.6 A grown material automatic loading system

Main view



1、Disinfection System

2、After disinfection materials exports

3、Empty pallet

4、Automatic weighing control the discharge port switch devices

5、Retrieving Loading pallet

6、Material has been filled pallets

FIG. 7 An automatic sowing system

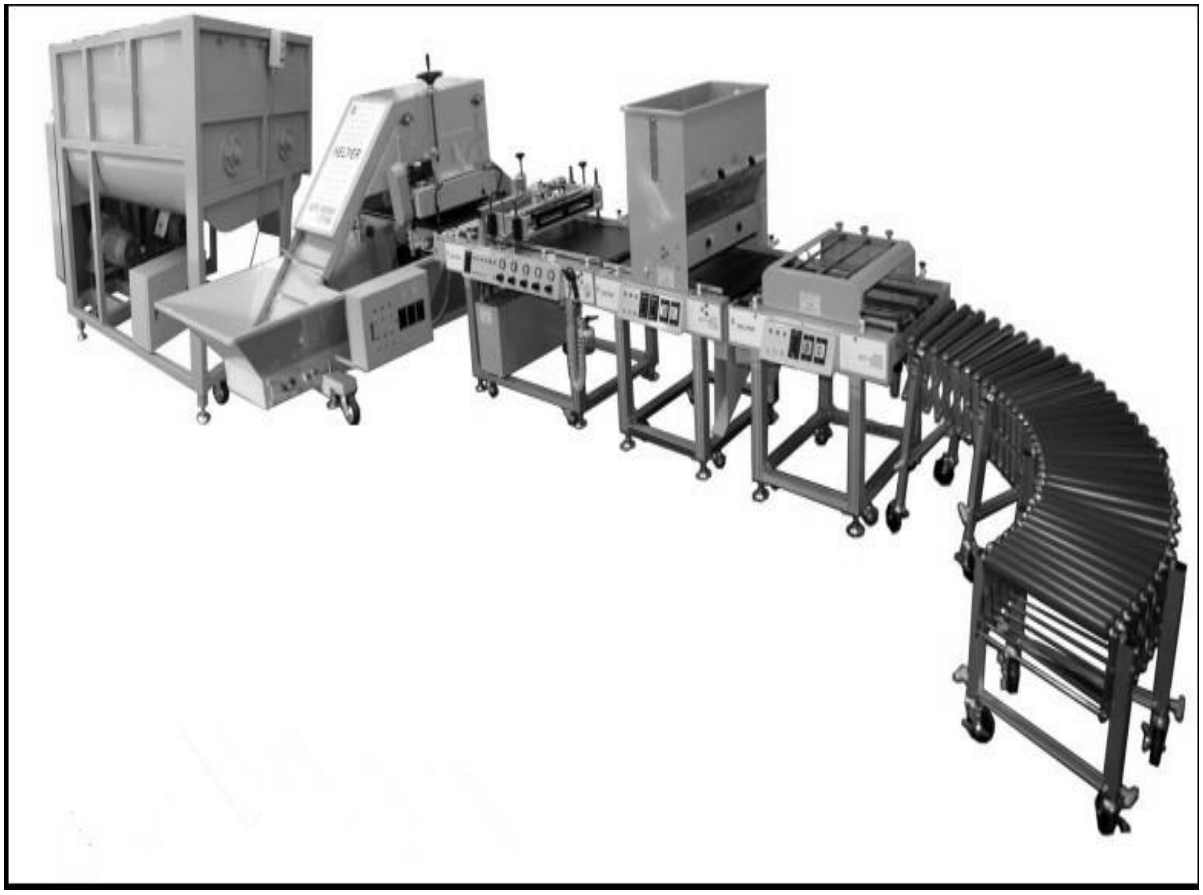


FIG.8-1

FIG.8 An automatic parallel-moving tray type organic plants growing system

Top view

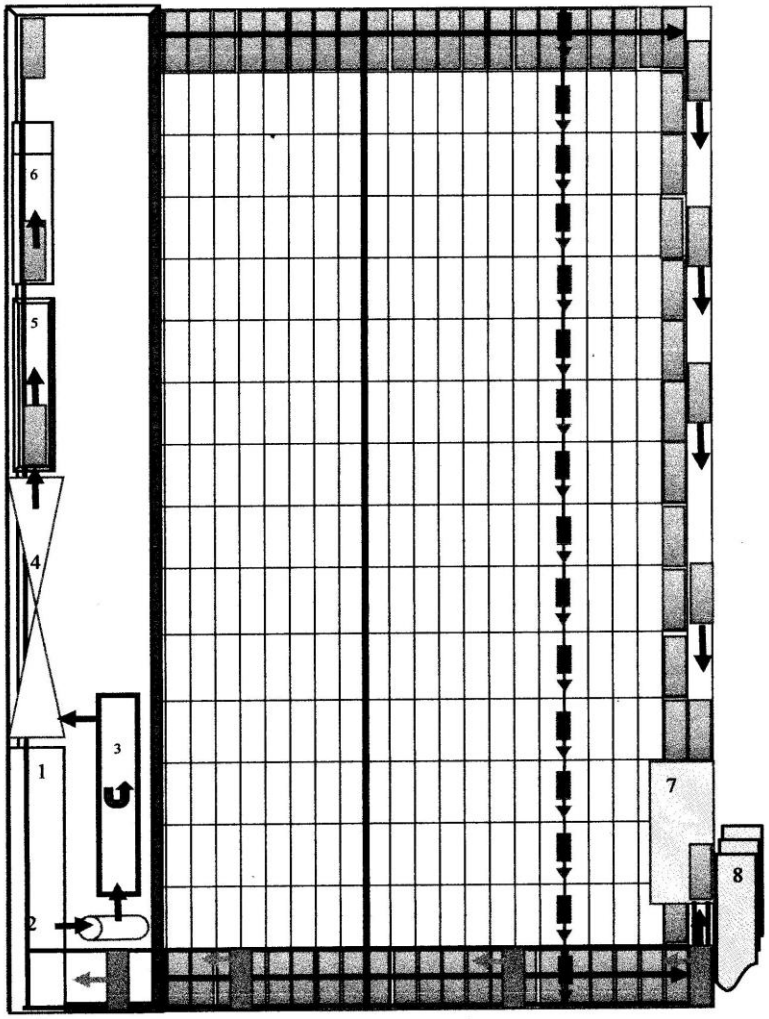


FIG.8-2

Top view: (The second layer is removed after a top view of the arrangement of equipment)

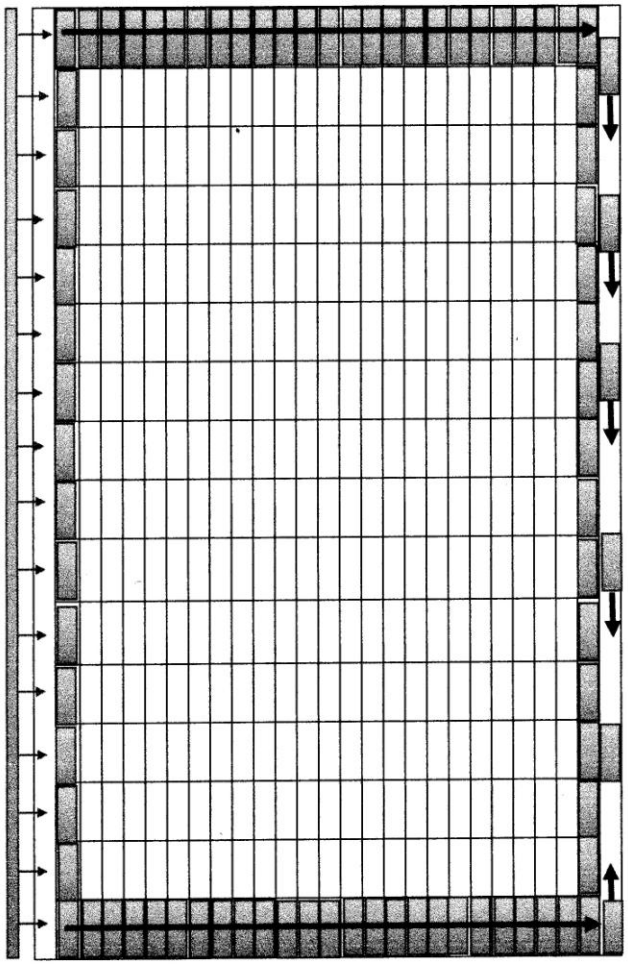
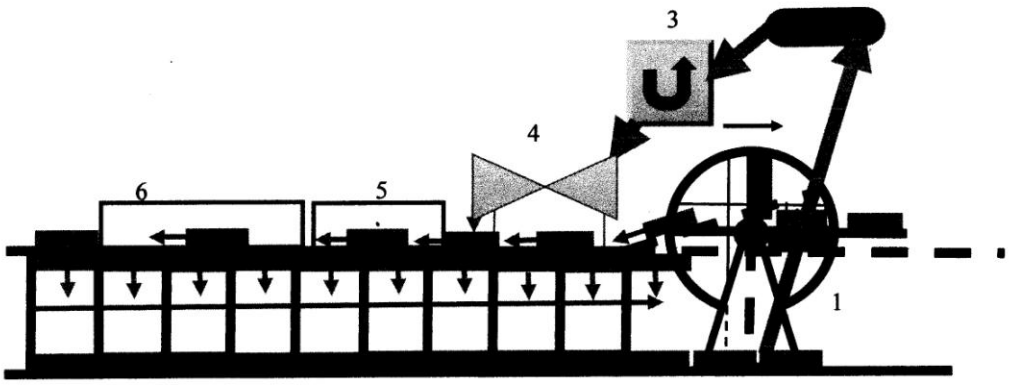
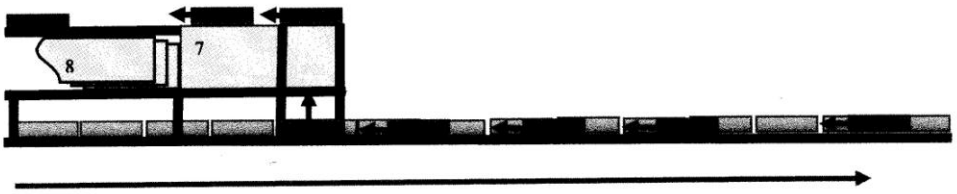


FIG.8-3

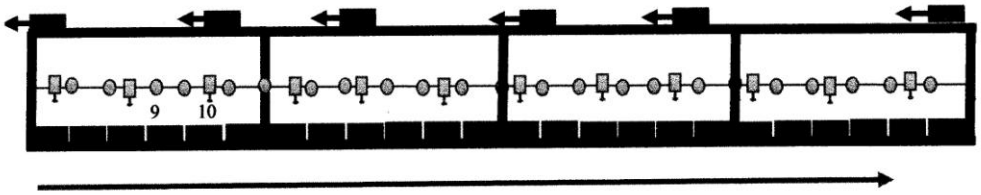
Left side view



Right side view:



Main view:



(1) Auto Flip dumping system (2) Automatic Screening system
(3) Automatic Ingredients mixing system (4) Automatic Disinfection System
(5) Automatic transfer to a plate system (6) Automatic seeding system
(7) Automatic harvesting system (8) Automatic Packaging Systems
(9) Automatic watering systems by water curtain (10) Automatic monitoring system

Fig. 9 A plants automatic picking and sorting system

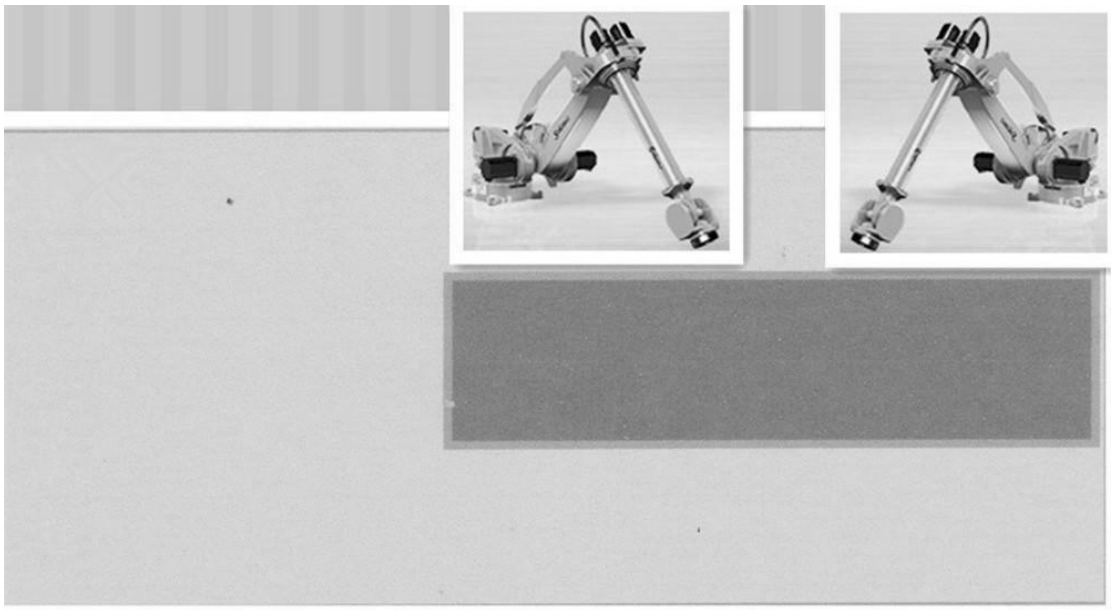
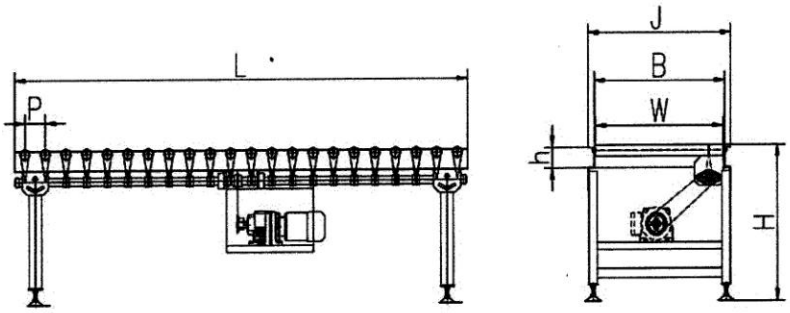


FIG.10 Automatic packaging machines



FIG.11、Automatic power roller chain conveyor system tray Automatically

Schematic:



Physical map



FIG12：Water curtain automatic watering system：

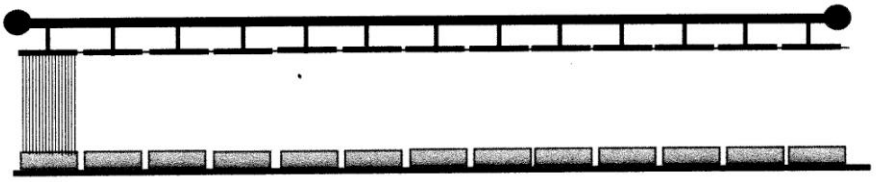
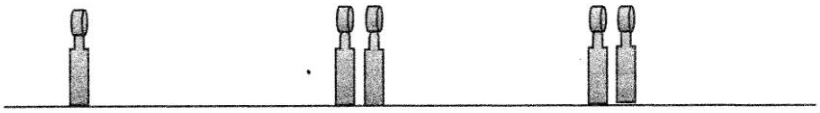


FIG13：Roller bearing slide tray conveyor system

Main view：



Left side view:

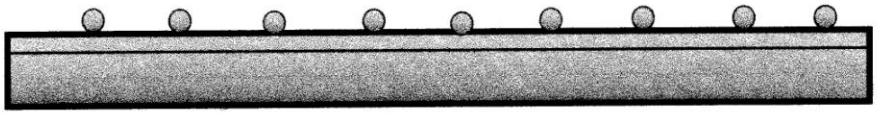
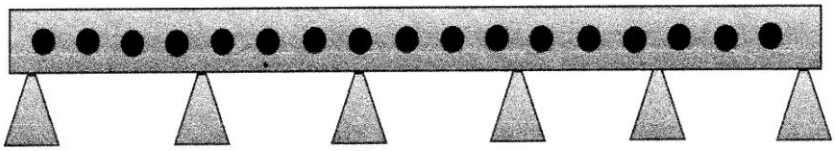


FIG14:Automatic Of the screw push system tray

Main view：



Top view：

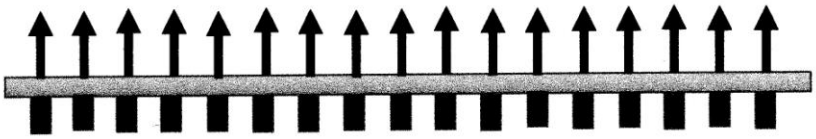


FIG15：Stainless steel trays for use planting

Main view：



Lateral view：



Top view：

