

# ST2000 SEEDING LINE



# Williames

Leading by Innovation



## Williames ST2000 SEEDING LINE

**FILLS SEEDS COVERS WATERS**

**2000 TRAYS PER HOUR**

**ADJUSTS TO FIT ALL TRAYS**

*All known trays can be filled and  
seeded with all types of seeds*



**DIBBER DRUM — PARABOLIC POINTS  
SHAPE INDENTATION WITHOUT  
COMPACTING THE GROWING MEDIA**



**Williames Pty Limited**  
**A B N 42 004 320 834**  
103 Butlers Track Warragul  
Victoria 3820 Australia  
phone: +61 3 5623 5755  
fax: +61 3 5623 5165  
email: [sales@whiti.com.au](mailto:sales@whiti.com.au)  
web: [www.williames.com](http://www.williames.com)





## UNIVERSAL POT FILLER WITH 5 CU/M FEED BIN SUITS HIGH-SPEED FILLING OF A WIDE RANGE OF POTS & ALL TYPES OF TRAYS & PUNNETS

**Williames ST2000 Seeding Line** combines the upgraded Universal Filler with exciting innovations in our range of Pot & Bag Fillers.

### ST2000 SEEDING LINE INCLUDES

- 5 cu/m Bin Filler that fills all types of trays and a wide range of pots and punnets
- Soil scraper, compaction roller, powered levelling brush producing even, compact soil media density in tray cells
- Seeder with 5 Singulator Bars
- Single Pattern Seed Drum
- Dibber Drum
- Standard Seed Hopper
- Conveyor
- High Capacity Motor & Gear for Main Conveyor
- Vacuum Pump
- V2 Vermiculite Coverer
- DC Watering Tunnel
- Single or three phase power

Robust construction means low maintenance and high productivity, saving time and money

### OPTIONS

- Clod breaker, soil beater and powered feed roller
- Needle Drum and Needle Seed Hopper
- Digital Tray Counter

**WILLIAMES LARGE POT & BAG FILLERS** were developed in response to customers requests for greater flexibility for potting trees.

Our design team determined that a **Williames Seeder** on castors could quickly be wheeled into place, cantilevered to sit across the Pot Filler thereby creating the **ST2000 Seeding Line**, a very flexible new **Seeding Line** configuration.

This will be a windfall to growers developing new products including the production of high numbers of new varieties of trees bred specifically to cope with changing climate conditions.

This is particularly relevant for our Cities and Towns and new housing developments where the need for temperature-lowering trees is predicted to become more important, while water availability may be more costly.

**ST2000 SEEDING LINE** gives growers the chance to rapidly change production focus from potting up trees, to seeding and growing an expanded range of seedling trees including proprietary developed varieties





**Williames Universal Filler** is suited to high speed filling of pots and trays

- High Capacity Drive
- Adjustable Soil Flow Control Gate
- Adjustable Soil Scraper
- Soil Rotor
- Compression Roller and Scraper
- Rotary Bush to sweep the cell below the top of the tray to prevent root growth over-the-top, between cells
- Angled Powered Brush
- Fingertip controls to vary the speed of soil flow filling the tray, the soil density in the tray and the speed at which the tray is moved by the belted conveyor beneath the filler
- 5 cu m capacity
- Single or three phase power
- Pause control and emergency **STOP / START**

## OPTIONS

- Conveyor lengths customized to suit requirements

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## CANTILEVERED CONVEYOR ABLE TO BE MOVED ACROSS THE UNIVERSAL FILLER TURNING THE LARGE POT FILLER INTO ST2000 SEEDING LINE

**ST2000 Seeder**—First, we ensure the indentation for the seed is centred in the cell at the correct depth to suit the particular seed being sewn.

Seeder head and 5 singulator bars with variable pressure control gives complete singulation control to maintain absolute placement accuracy of single seeds.

### FEATURES

- Accurate seed placement at all speeds
- 32" pitch cleats centres the conveyor to positively engage the tray
- Simple operation and adjustments
- Timing is consistent regardless of the speed of seeding
- Seed drum, dibber drum and cleated conveyor are directly driven together maintaining 100% accuracy and timing
- Accurate singulation achieved by 5 singulator bars (air brushes) on a large diameter seed drum
- Quick and easy adjustment of the tray width

### OPTIONS

- XXX

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**V2 VERMICULITE COVERER** adds a covering layer to the tray after the tray has been seeded. It dispenses an even covering layer with automatic **START / STOP** operation.

- Simple to operate
- Trays automatically activate **START / STOP**
- Adjustable feed-gate
- Ribbed belt feed for precision dispensing of the cover
- Viewing glass allows the operator to assess the level of the hopper contents

Robust construction means low maintenance and high productivity

***The V2 Vermiculite Coverer and the DC Watering Tunnel are positioned after the Seeder to add ballast to the cantilevered Seeding Line conveyor when the Seeder, Seeder Conveyor, V2 Vermiculite Coverer and DC Watering Tunnel are moved into position as production is changed from pot-filling to filling, seeding, covering and watering trays.***



**DC WATERING TUNNEL** waters trays after they have been filled, seeded and covered. Water is sprayed across the tray as it passes underneath.

- The amount of water can be easily adjusted to suit different requirements.
- Manufactured from stainless steel to perform in demanding corrosive environments.

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