

## Automated Bulb Planting System



### Description

CMP is a manufacturer of horticultural machine automation. We work through a proven method of design and development, in conjunction with the end-user, thereby ensuring that the equipment meets and exceeds the specific requirements of our customer.

This project consisted of the design and manufacture of an automated system to plant tulip bulbs in containers at a high rate of speed, thereby eliminating significant manual labour. This particular machine is also capable of transplanting seedlings, by performing a simple and user-friendly, change-over process.

### Application

- Planting of several varieties of tulip bulbs into containers
- Combines seedling transplanting functionality

### Features

- Accommodates various infeed and outfeed configurations
- Quick change robot tooling for various "end of arm tools" (no tools required)
- Perimeter guarding
- Leading edge machine controls
- User friendly, colour touch screen HMI
- Error messaging system
- Capable of transplanting seedlings

### Specifications

Bulb Varieties	Various
Bulb Size Range	10, 11, 12, 14
Throughput per Hour	3,600 Bulbs
Electrical*	600 VAC, 3 Phase, 60Hz, 35 AMP
Pneumatic	80 PSI

\* Contact CMP for other power options available

*Contact CMP directly for more information beyond the scope of this document*



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