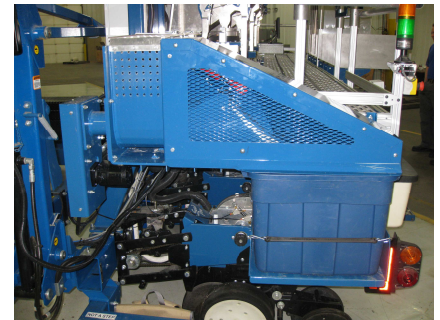




POWER PLANT

AUTOMATED PLANTING SYSTEM



The Cartridge Compactor compresses the used cartridges into recyclable plastic billet

This revolutionary 8 magazine system is capable of planting 1920 single row plots without stopping. Only a tractor driver is required. Personnel-free planting increases speed, safety and plot consistency and quality!

FEATURES:

- Recyclable seed cartridges can hold 100+ seeds
- Magazines hold 240 cartridges in 8 columns (28 lbs when full)
- Planter carries 24 magazines at once (5,760 plots)
- Multiple barcode printer and seed filler options
- Barcode verification scanner verifies all cartridges are in correct location
- Useable on any new or existing plot planter

ADVANTAGES:

- Cycle time - As low as 4.5 sec per cycle
- Allows greater seed capacity for longer plots
- Planter prep time - Less than 30 min for a 2-person crew
- Cartridge discard system - Pneumatic conveyance to cartridge compactor that compacts recyclable plastic
- No personnel required on planter platform while planting
Leads to a safer working environment
- In-cab monitoring of PowerPlant operation and data

POWER PLANT

AUTOMATED PLANTING SYSTEM

TECHNICAL SPECIFICATIONS

(Custom configurations also available)

Seed Cartridge

Dimensions - 2.5" x 4" x 0.875" (approx)
Capacity - 2.77 in³ (120 kernels - seed count will depend on size)

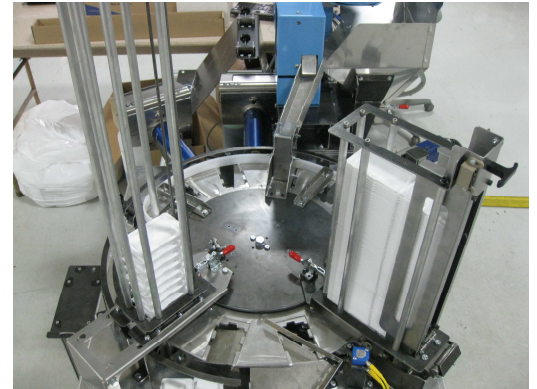


Seed Cartridge Magazine

Dimensions- 4.5" x 22.5" x 26" (approx)
Weight – 12lbs empty / ~28lbs full
Capacity – 240 Cartridges (8 columns of 30 cartridges)

Seed Cartridge Printer

Mid level option
Speed – 2.3 seconds percartridge
Capacity – approx 325 (~15 min runtime). Reloadable while printing
Dimensions – 32" x 18" x 14" body w/ detachable 42" cartridge holders
Printer: Markem-Imaje 9040, Dual Head, solvent based, continuous jet
Software – ALMACO software w/ Excel file input (works with any PC)



Manual fillers

Entry-level option
Adapters for various standard counters to emulate packet filling

Carousel filler/printer

Premium option
Capable of filling, barcode printing, and barcode verification
Speed – Dependant on counter
Power Requirement – 120V 15A AC
Dimensions – Approximately 24" x 24" x 12" plus attached counter

Cartridge sorting system

Developed to organize a cartridge sequence for magazine loading, a vacuum formed insert system holds the cartridge upright to aid in sorting

Magazine transfer sleeve

A device for transferring sorted cartridges to the magazine.

Magazine verification

A device that scans each cartridge in a loaded magazine to insure correct location and cartridge orientation
Mechanism that scans each cartridge in a serpentine pattern

Storage Carts

Capacity – 16 Magazines
Storage and transportation of magazines

