



E.F. ENGINEERING INC.

Quality packaging equipment

Pick and Place Units

E.F.Engineering manufactures pick and place units in many styles and sizes of for nearly any purpose. We offer a wide range of options and output speeds to insure you will be getting the equipment that is best suited for your operation. All of our systems are designed with simplicity insuring reliability, user-friendly interface and minimal training requirements. Our modular design insures quick adjustments, uncomplicated changeovers, convenient access for maintenance and easy integration into most machines and production systems.

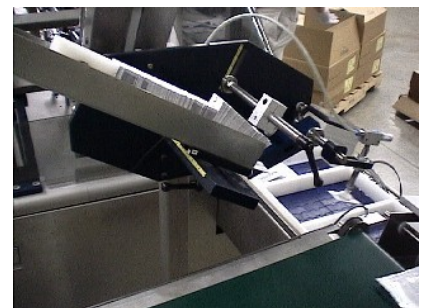
Advantages and Features:

- Large capacity magazines.
- Easily integrates into existing production lines.
- Placement verification.
- Multiple placements.
- Low-level warnings.
- User Friendly Design.
- Minimal Maintenance Requirements



Technical Specifications:

- Speeds up to 150 per minute, depending on product and application.
- Electrical requirements: 110 Volts; 7.5 Amps; 60 Hz
- Compressed air: 3 CFM @ 80 PSI.
- Floor space requirements: 4 feet x 2 feet *approx.*
- Weight: Depends on size and product application.



Related Equipment:

To complete your system we also have Feeders, Cartoners, Over Wrappers, Accumulators, Stackers, Conveyors, Tray Handling Equipment, Labelers and Inspection Systems.

9710 Humboldt Ave. So. • Bloomington, Minnesota 55431

Tel. 952.888.6596 • Fax 952.888.3619

www.efengineering.com





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Quality packaging equipment

Reciprocating Placers

E.F. Engineering manufactures reciprocating placers in many styles and sizes for nearly any purpose. Whether your need is for a product placer, literature placer, tray placer or premium placer we offer a wide range of options and configurations to insure you will be getting the equipment that is best suited for your operation. All of our systems are designed with simplicity to insure reliability, user-friendly interface and minimal training requirements. Our modular construction insures quick adjustments, uncomplicated changeovers, convenient access for maintenance and easy integration into most machines and production systems.

Advantages and Features:

- Large capacity magazines.
- Easily integrates into existing production lines.
- Placement verification.
- Multiple placement heads.
- Low-level warnings.
- User Friendly Design.
- Minimal Maintenance Requirements.

Technical Specifications:

- Speeds of 50 cycles per minute per head. (2 head = 100
4 heads = 200 placements per minute)
- Electrical requirements: 110 Volts; 7.5 Amps; 60 Hz
- Compressed air: 3 CFM @ 80 PSI.
- Floor space requirements: 4 feet x 4 feet
- Weight: Approximately 200 pounds



Related Equipment:

To complete your system we also have Feeders, Over Wrappers, Accumulators, Stackers, Conveyors, Sleeve Labels and Inspection Systems.

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Rotary Placer

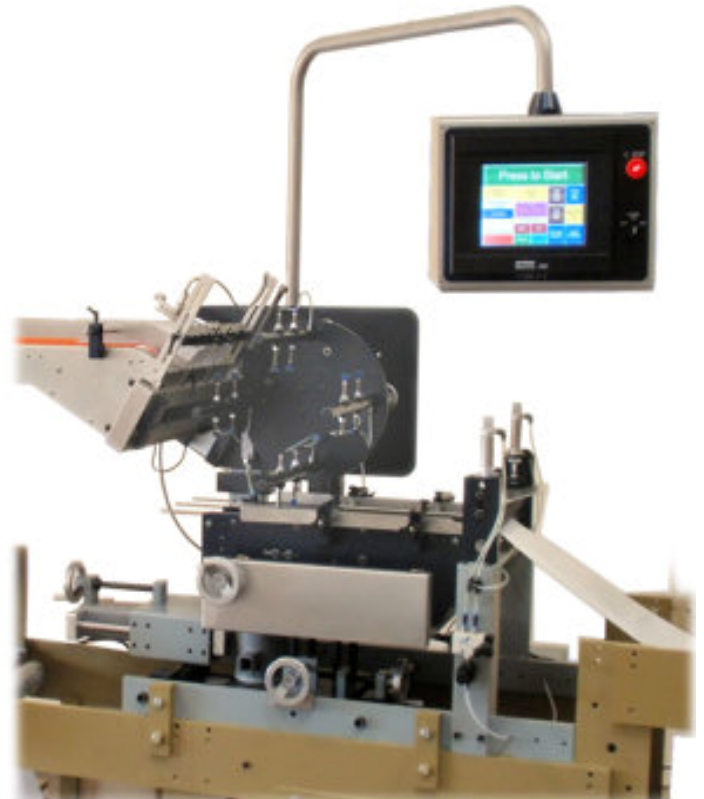
E.F. Engineering manufactures rotary placers in many styles and sizes of for nearly any purpose. Whether your need is for a literature placer, tray placer or premium placer we offer a wide range of options and output speeds to insure you will be getting the equipment that is best suited for your operation. All of our systems are designed with simplicity insuring reliability, user-friendly interface and minimal training requirements. Our modular design insures quick, uncomplicated changeovers, convenient access for maintenance and easy integration into most machines and production systems.

Advantages and Features:

- 400 Cycles per minute.
- Large capacity magazines.
- Easily integrates into existing production lines.
- User Friendly Design.
- Placement verification.
- Multiple placements.
- Low-level warnings.
- Minimal Maintenance Requirements.

Technical Specifications:

- Speeds up to 400 cycles per minute, depending on product and application.
- Electrical requirements: 110 Volts; 15 Amps; 60 Hz
- Compressed air: 3 CFM @ 80 PSI
- Floor space requirements: 3 feet by 5 feet
- Weight: Approximately 300 pounds.



Related Equipment:

To complete your system we also have Feeders, Over Wrappers, Accumulators, Stackers, Conveyors, Sleeve Labelers and Inspection Systems.

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- Single Head Tray Denester – Speeds up to 45 products per minute
- Single Head Intermittent Motion Pick n Place – Speeds up to 45 products per minute
- Four Head Continuous Motion Rotary Pick n Place – Speeds up to 400 products per minute
- Single Head Screw Denester- Speeds up to 300 products per minute

*Maximum Eight Heads/Magazines per System

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