



HawkeyePedershaab ePak Machine Series



Electronic direct-drive packerhead machine
for high volume production.

- Powerful rollerhead drive
- Precise production controls
- Fast and smooth travel speeds
- Compact machine turntable

Ideal for high volume production of round concrete pipe and manhole risers.

Afinitas brand HawkeyePedershaab's ePak machine series is unmatched in packerhead production technology. For example, ePak's revolutionary eDrive generates more power with greater control than comparable machines to manufacture high quality concrete pipe. In addition, ePak's unique uniframe design makes conventional three and four post frame designs obsolete and delivers smoother and faster operation of all machine components. Plus, the frame's bolted, two-piece construction makes installation into existing buildings easier and lowers shipping costs.

Capacity

ePak has tremendous output capability due to its superior power, control technology and fast component travel speeds. In fact, ePak can manufacture up to 100,000 tons per year in a single-shift operation.

System Benefits

Powerful Packing Action

The ePak's rollerhead drive generates more power than conventional drive systems.

- Wider torque/speed operating band allows precise packing control throughout the entire range of pipe diameters.
- Directly driven by two, 60-pole permanent magnet motors, no gearboxes are required. This significantly reduces maintenance and noise emissions.

Precision Production Controls

Compared to other machines, ePak has the most sophisticated control hardware and software algorithms in the precast concrete industry.

- Closed-loop controls continuously provide feedback to the PLC on all parameters.
- Strategically positioned video cameras ensure product quality and consistency with real-time production cycle information.

Fast and Smooth Travel Speeds

The main drive, toptable, and bellpacker are cantilevered to continually bear and smoothly roll on the ePak's unique main frame. Consequently, shaking and vibration are lessened minimizing wear on components.

- The ePak has up to 25% faster component travel speeds than conventional machines and dramatically reduced machine alignment issues, frame vibration, and need for expensive wear parts.
- ePak's exclusive frame design is a bolted, two-piece construction for easy shipping (can be loaded in containers) and installation.
- The ePak machine features a barcode encoder system for absolute positioning of crosshead, toptable and bell packer.

Compact Machine Turntable

Because of ePak's compact, electric-driven turntable, forms can be mounted close to the center point of the turntable. This permits faster rotation speeds. In addition, its electric chain drive eliminates slippage allowing precise ramp-up and ramp-down speeds as the molds enter the filling and offbearing positions.

Dense Bell Consolidation

ePak's advanced bell packer with dual self-synchronizing vibrators delivers powerful vertical vibration impact which quickly and effectively consolidates the pipe bell.

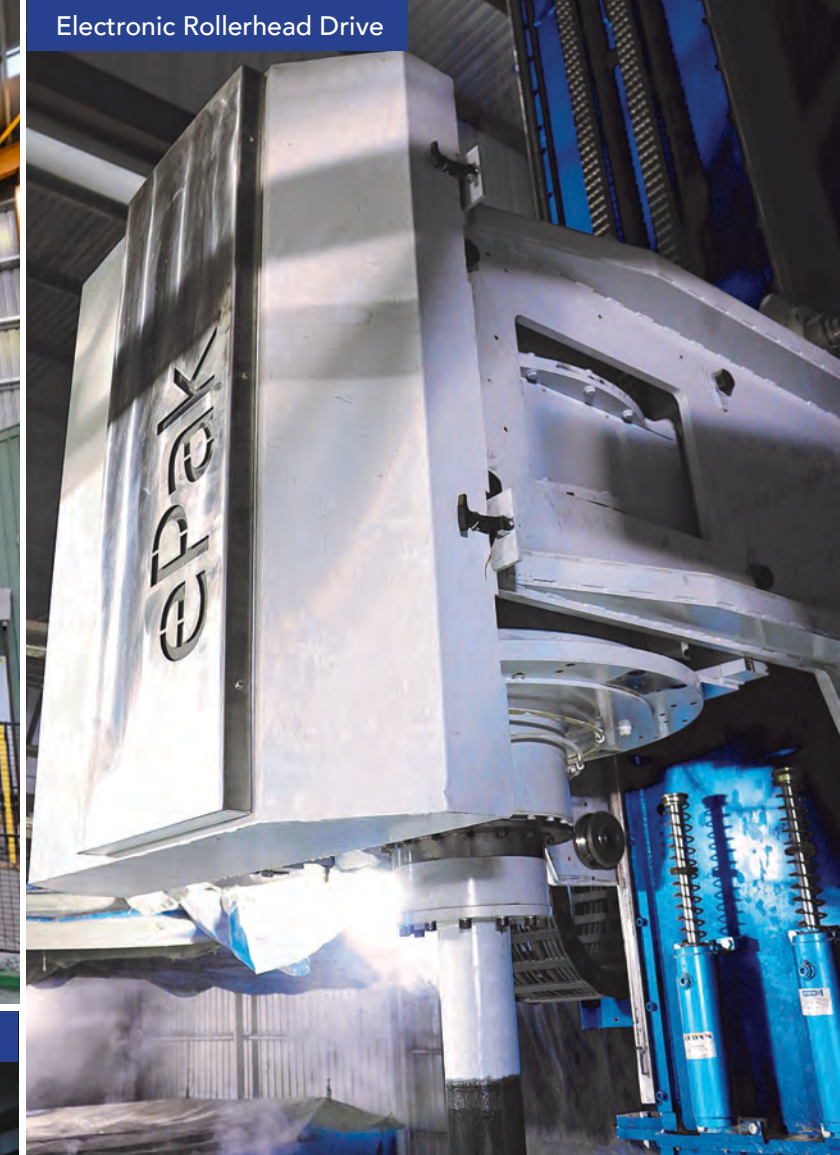
- Powerful electric 11000 vibrators of proven durability and reliability along with electric rotate and hoist functions permits smooth, low-maintenance operation.
- ePak's self-cleaning top directs excess concrete to a central discharge point for easy cleanup.

High Performance Tooling

Best of all, ePak works with state-of-the art HawkeyePedershaab tooling or existing tooling of other makes and brands. The ePak rollerhead drive system is configured to run both bi- and uni-directional tooling. An added feature is segmented trowels made of a special, wear-resistant alloy.

Models Available

- **HawkeyePedershaab ePak 120**
- **HawkeyePedershaab ePak 150**
- **HawkeyePedershaab ePak 180**





HawkeyePedershaab ePak Machine Series

Equipment & Automation
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Forming Systems
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Intelligent Infrastructure Solutions
Visit www.afinitas.com to learn more.

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Intelligent
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Afinitas is a global, comprehensive and customer-oriented infrastructure equipment and services platform that brings together the expertise of HawkeyePedershaab, BFS, New Hampton Metal Fabrication, Spillman, and CAM Products.

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