

Afinitas ePak

Electronic direct-drive rollerhead redefines packerhead pipe production

The ePak machine represents a major leap forward in packerhead production technology. At the center is the machine's revolutionary eDrive rollerhead drive system. Powered by two proprietary, gearless, direct-drive, 60-pole, brushless permanent magnetic motors, the eDrive develops much higher than conventional torques and has a wider torque/speed operating band — allowing precise packing control throughout the machine's entire size range. The eDrive system accommodates Afinitas' innovative line of tooling as well as existing tooling of other makes and brands, including both single directional and bi-directional tooling.

Mechanically, the ePak's unique frame design permits the toptable, rollerhead drive unit, and bellpacker to continuously bear and smoothly travel on the machine frame, operating at speeds up to 25% faster than conventional frame designs. Additionally, the frame's bolted, two-piece construction makes for easier installation in existing buildings and lower shipping costs.

Available Models

	ePak 120	ePak 150	ePak 180
Product Diameter	300mm to 1200mm (12" to 48")	300mm to 1500mm (12" to 60")	450mm to 1800mm (18" to 72")
Product Length	0,25m to 2,5m (1' to 8')	0,25m to 2,5m (1' to 8')	0,25m to 2,5m (1' to 8')

Machine Features

- Gearless, electronic direct-drive rollerhead, powered by two 60-pole, brushless permanent magnetic motors. This design gives more power for bigger pipe sizes while permitting more control for smaller pipe sizes.
- Rollerhead design accepts bi-directional, uni-directional, or a combination of bi- and uni-directional rollerhead tooling
- 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. This allows the machine to operate at speeds up to 25% faster than conventional frame designs.
- Compact, centerpost-free turntable allows forms to be mounted closer to the centerpoint of turntable — permitting faster rotation of the form sets into the filling and offbearing positions
- ePak's advanced bell packer with dual self-synchronizing vibrators delivers powerful vertical vibration impact which quickly and effectively consolidates the pipe bell. The bellpacker is designed for self-cleaning and incorporates a single discharge point to permit easier or mechanized cleanup of excess concrete.
- Central PLC based console with touch-screen interface, video display monitor, and closed-loop controls that continuously provide feedback to the operating system for precise and accurate production control
- Available forklift-mounted video controller to permit machine operation by the forklift driver



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