

■ **Dynacore Equipment Limited, BC V7J 1A1 North Vancouver, Canada**

# New Generation of Electronically Controlled Extruders

**Dynacore Equipment Limited (Dynacore) announced the delivery of the first in a new line of electronically controlled hollowcore extruders. The Dynacore EM 350, which produces a 14" (35 cm) pre-stressed slab,, features electronic sensors that reduce the need for operator intervention and a touch-pad interface for easy and con-**

**venient adjustment of extrusion speed and concrete compaction as well as displays of extruder performance trends over time. The EM 350 was installed at Con-Force Structures in Richmond, Canada in January. A detailed article about this new plant will be published in CPI issue #2/2007.**

The EM line of hollowcore extruders are designed to deliver the lowest operational costs in the industry. Cost-effective parts replacement, minimum downtime, high productivity and high quality all contribute to lowering the overall cost of production. Accordingly, the EM 350 features Dynacore's patented replaceable auger ends, which are designed to reduce the cost of replacement parts and reduce the auger changeover process down to an average of thirty minutes.

The new electronic controls allow operators to vary machine speed to match the speed of concrete delivery without any production stop/start downtime. To further reduce the need for operator intervention, sensors in the concrete hopper will automatically alert the machine to slow down for replenishment and will automatically signal the machine to resume speed once there is more concrete in the hopper.

To give production managers the ability to optimize maintenance schedules based on usage and machine condition, the electronic controls also gather data on machine usage and graphically display key trends for operation hours and key wear indicators.

Finally, to simplify set up and reduce errors during changeovers, default settings can be stored in the electronic controls to suit all desired production parameters. Since the power module is common to all EM hollowcore extruders, it can be swapped between systems; once the changeover is completed, it is a simple

matter of selecting the appropriate setting and the extruder will automatically be configured with all the correct operating parameters.

Con-Force Structures is the largest precast company in Western Canada and privately-held. The company has offices in Calgary, Edmonton, Vancouver and Winnipeg. The company specializes in pre-stressed concrete components for bridges, high-rise buildings, parking garages, marine facilities and architectural cladding. The company also produces standard specialty pre-cast concrete products.

"We are in a competitive business and having the best-of-breed equipment for each application is essential in order to deliver quality product on-time to our customers. We look for suppliers who understand the challenges of being a producer," said Tony Walton, vice-president at Con-Force Structures. "The advanced design features of the EM extruders clearly show that Dynacore understands our business and has consciously targeted reducing key areas of operational cost.

We are very excited to offer our clients a new 14" hollowcore product as we have been asked to provide this size for some time now. The modular power system with this machine will also allow us to consider other sizes. The recent doubling of our production capacity will enable us to expand our service to the market."

"We are extremely pleased to be working with Con-Force," said Geoff Chambers,

president of Dynacore. "They are known industry-wide for innovation and quality, so we especially look forward to their input for a partnership that will give us ongoing feedback to further enhance our technology."

The electronic control system on the EM 350 will be available on all other models of hollowcore extruder from Dynacore ranging from 6" to 16" (15 cm to 40 cm).

**Further information:**



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