

Production optimised technology for the hollowcore industry



Dynacore Equipment microprocessor controls are a key part of our “high frequency dynamic compaction” extruder technology which also includes internal vibrators and innovative split auger design.

### All Extruders Are Not Created Equal

Production operating conditions differ from customer to customer, site to site, and product size to product size. Extruder performance depends on many variables such as batch plant configurations, design mix variations, type of material used, method of concrete delivery, and so forth. Only by adjusting the extruder to match current operation conditions can optimal performance be achieved.

For this reason, all extruder machines on the market are adjustable to some extent with manual settings that attempt to allow for all conditions. The inevitable result is a compromise in extruder performance that often means higher maintenance cost and yields a poorer quality product than could be attained.

### Machines That Make No Compromises

With our easy to use microprocessor control panel, Dynacore extruders not only adjust to the current environment, but can be fine-tuned dynamically to accommodate changing conditions. Only through such fine-tuning can sound reduction, concrete delivery speed, production quality, and wear compensation all be fully taken into consideration and a truly optimal setting reached.

### Taking Control

By varying the extruder speed through the control pad, the operator can easily match the rate of concrete delivery



without having to halt the machine. By adjusting the vibrator speed, the extruder can tolerate a wider range of moisture contents and mix designs. Vibrator speed modifications can also be used to compensate for auger wear, yielding a consistent high quality precast product.

Dynacore Equipment's microprocessor control system provides simple and complete management of the extruder. The heart of the system is a powerful PLC (programmable logic controller) which not only controls the performance of the extruder in real time, but also gathers data on extruder performance. The large LCD display provides the operator with all the extruder operating information on scrolling pages.

### Unique Independent Vibrator Control

Only Dynacore extruders offer dynamic independent control over internal vibrator speeds. This ensures that only the right amount of compaction force is applied to the concrete, no more no less. The result is the highest quality concrete of very high density. An additional benefit from this precise level of control is that extruder noise levels are reduced.



For information about the Dynacore Hollowcore Extrusion System visit [www.dynacore.ca](http://www.dynacore.ca)