

Production optimised technology for the hollowcore industry



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

The Motivation

High frequency dynamic compaction produces dense concrete of superior quality. Central to this process is the vibrator motor. The design of this motor and how efficiently it transfers compaction power to the mix is critical to any extruder system. It must be simple to control, easy to maintain, and durable enough to survive the demanding hollowcore production process.

An Inside Job

Dynacore high frequency vibrator motors are located inside the forming mandrels themselves. This simple and highly efficient design, unique to Dynacore extruders, transmits compaction forces as directly to the concrete mix as physically possible. With the motor actually inside the mandrel loss of vibrational energy is minimized and high concrete quality assured.

The internal vibrator motors are well protected from dust and dirt, and have far fewer moving parts than any other extruders on the market. Fewer moving parts mean fewer maintenance requirements and less machine downtime.

The only preventative maintenance required is greasing the motor bearings at approximately 80-100 hour intervals. Provided this regular greasing is carried out, this may be the only internal vibrator maintenance required for up to two years of continuous operation. Greasing the bearings can be done in a matter of a few minutes since the greasing points for the vibrator motors are easily accessible.

Tuning Your Extruder

Different concrete mixes require different combinations of vibrator speed and amplitude settings. For this reason, the Dynacore vibrators have been designed to be extremely adaptable. Each vibrator has variable amplitude settings. Vibrator motor speeds can be adjusted independently by intuitive, easy to use, microprocessor controls. Dynacore Equipment’s unmatched sophisticated level of control allows the operator to compensate for auger wear, fine-tune for mix composition, and optimize production like never before.



For information about the Dynacore Hollowcore Extrusion System visit www.dynacore.ca