TOSHIBA MACHINE

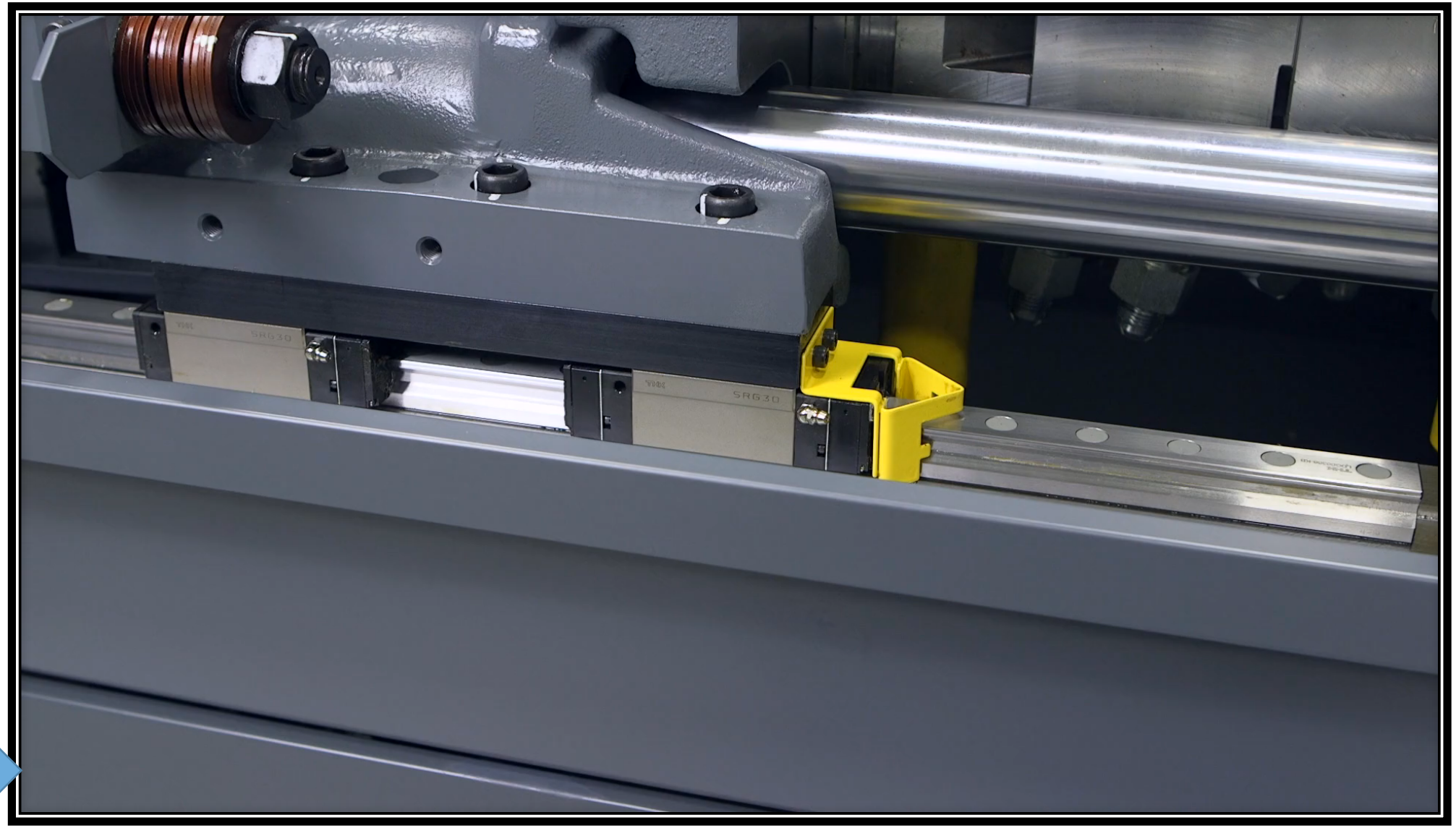
EC-SXII V50 Controller

Simultaneous Motions

Tomorrow's Technology Today

TOSHIBA MACHINE

Start reaching for the impossible and achieve the incredible

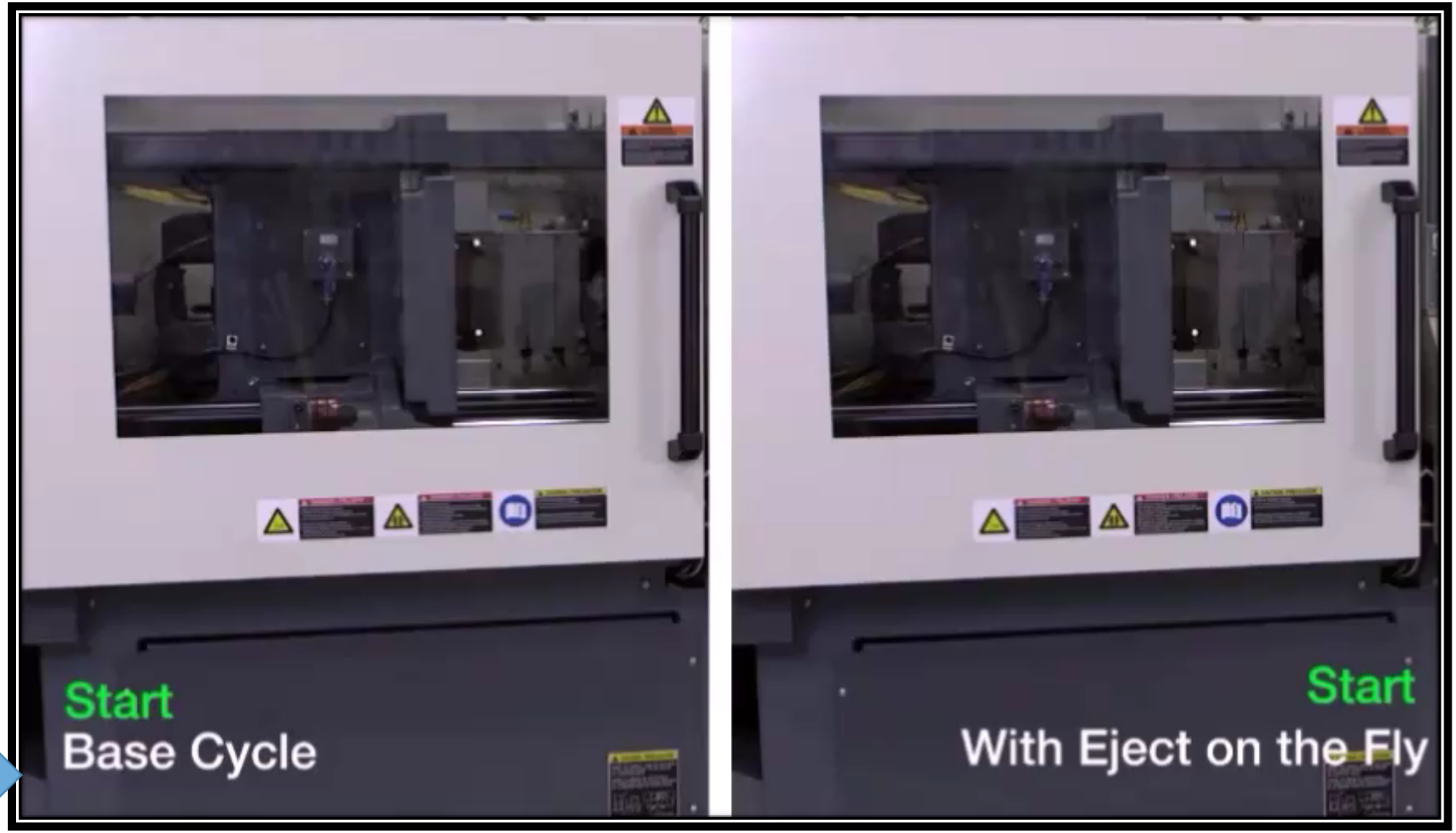


Toshiba Machine Simultaneous Motion Video

Simultaneous Motions

Eject on the Fly

- **Eject parts as the clamp opens which dramatically improves cycle time.**
- **In most cases, the mold opens and closes without pause for ejection.**



Play Video

Eject on the Fly Video

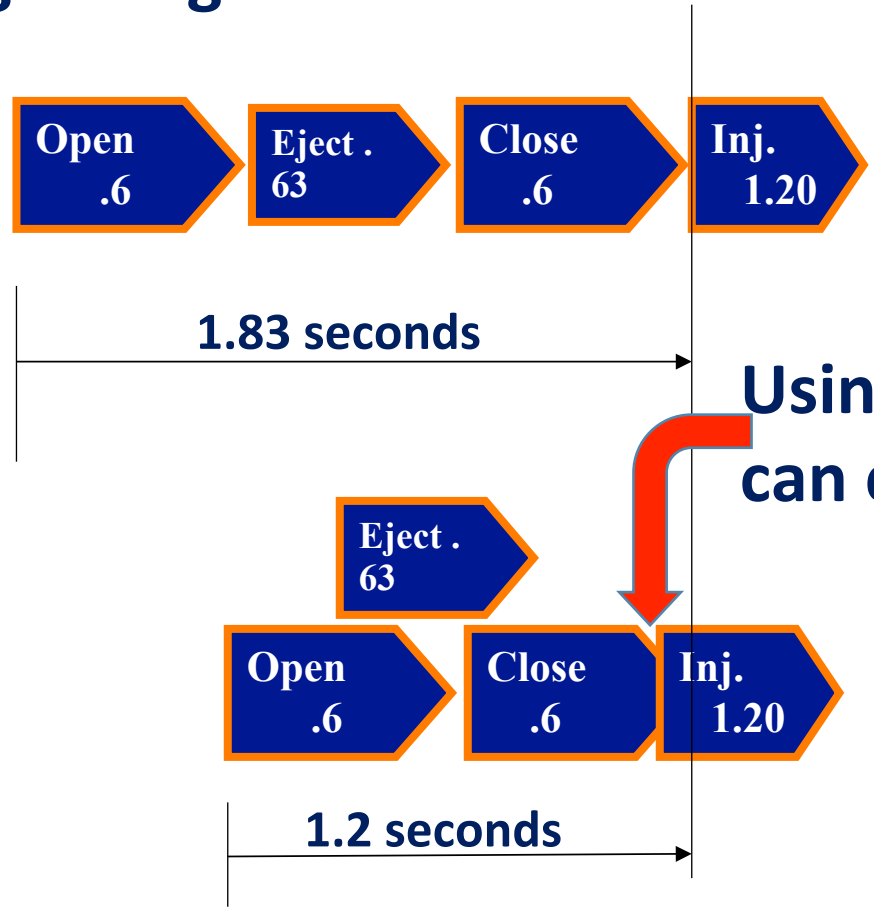
Simultaneous Motions

Lap Sequence

- Allows injection as soon as the mold halves touch.
- Can also provide better venting by delaying clamp lockup at the start of injection.

Eject on the Fly and Lap Sequence

Total time savings using simultaneous movement would be 1.03 seconds



Lap Sequence

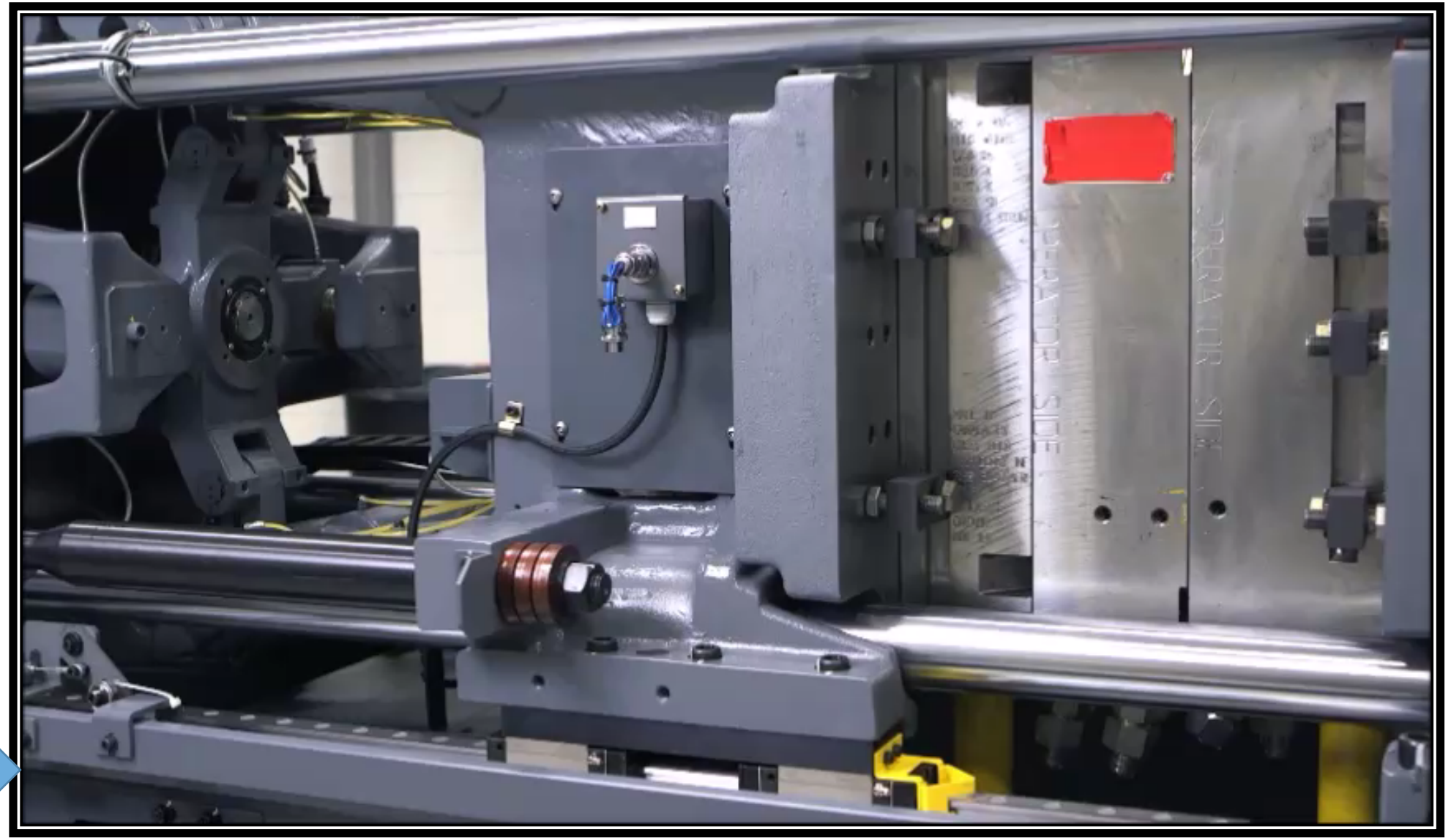
Using the Lap Sequence feature you can cut .2+ sec. out of the next cycle

This is the theoretical cycle

Simultaneous Motions

Relaxation of the Clamp

- **The toggle crosshead relaxes prior to cooling time completion resulting in quicker clamp opening response and a faster cycle time.**



Play Video

Relaxation of the Clamp

Simultaneous Motions

Opening the Mold while Charging

- **Enables clamp movement (mold open, eject and close) during charging. *Preferred to have valve gates or a shut off nozzle***

Coining

- **Allows injection to start at a lower tonnage and increase to full tonnage during injection.**
- **Reduces internal stress in the parts.**

Simultaneous Motions

Core Movements on the Fly

- Enables the cores to pull and set while the mold is opening and closing which dramatically reduces take out time.

Ejectors Finishing During Mold Close

- Enables ejectors to retract as the mold is closing.

Thank You

TOSHIBA MACHINE