

2-Platen Design

兩板式注塑機

Two Platen Injection Molding Machine



Outline

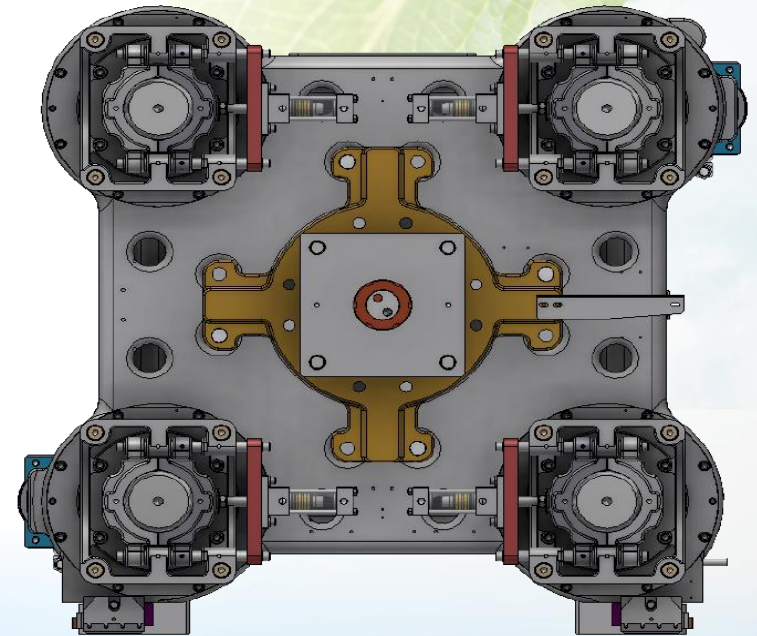
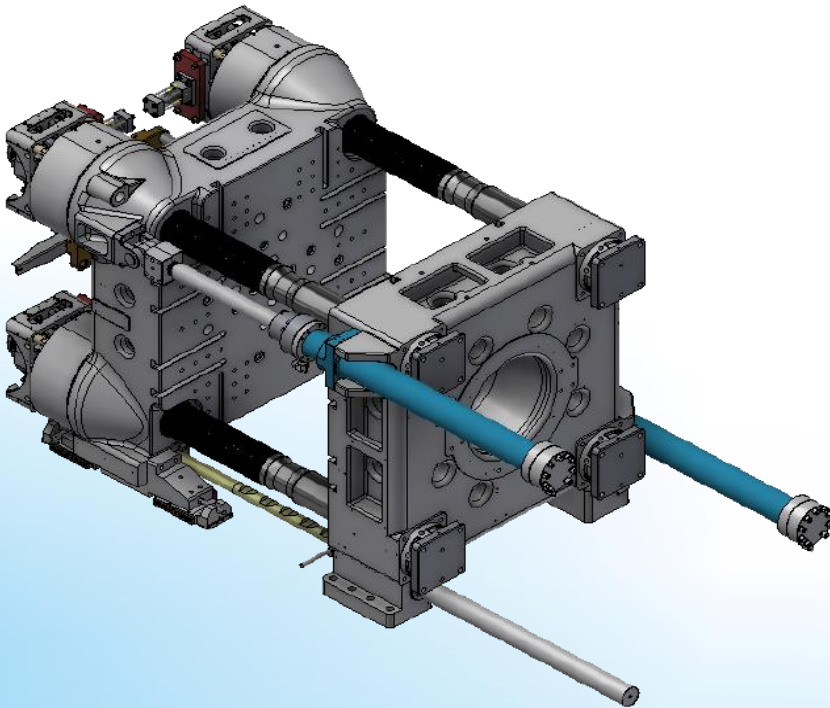
- **Briefing**
- **Features / Advantages**
- **Origin of Parts**
- **Optional**



Briefing

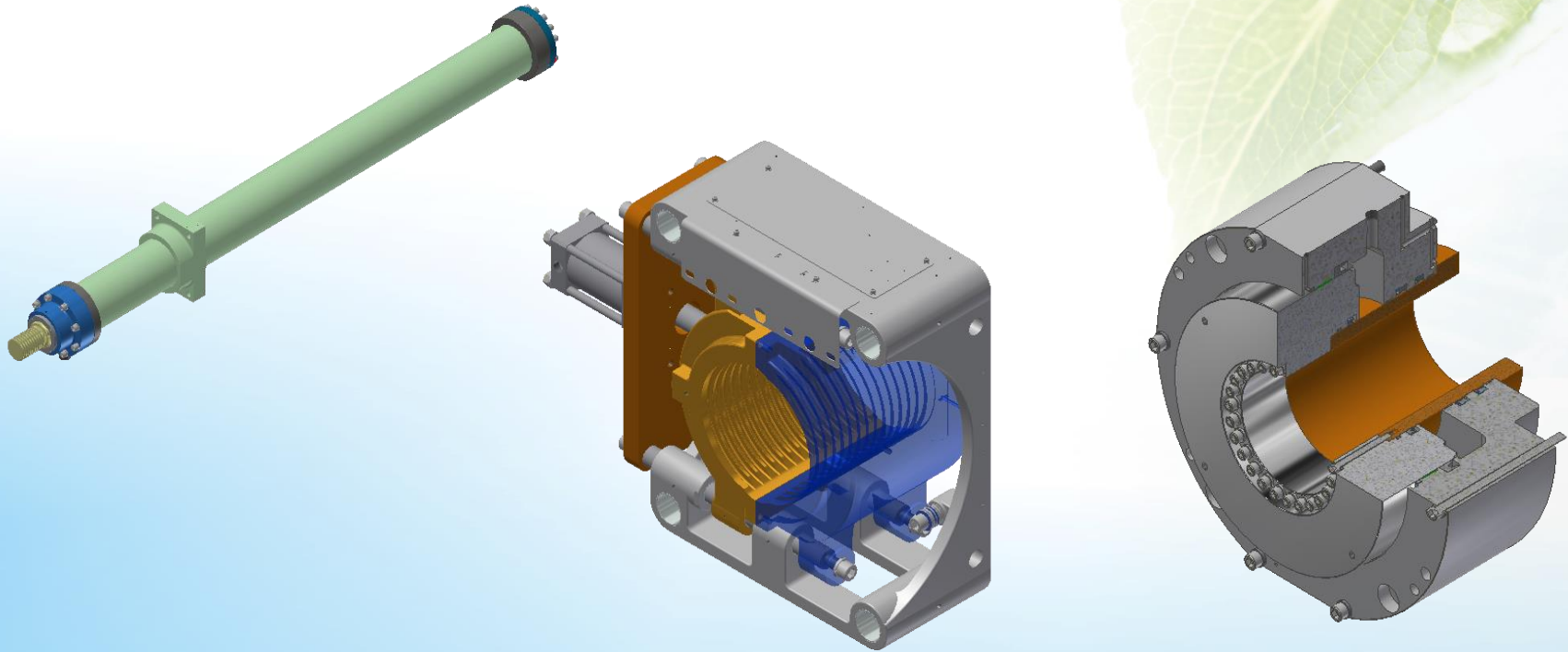
- Fully Hydraulic Mechanism
- 520ton (5200-3140) ~ 4000ton (40000-54630)
- Less Room
- Bigger Daylight
- Auto Greasing
- Auto-adjust Mold Tuning
- Accurate Metering
- Retractable Tie-bar
- Servo Hydraulic

Fully Hydraulic Mechanism



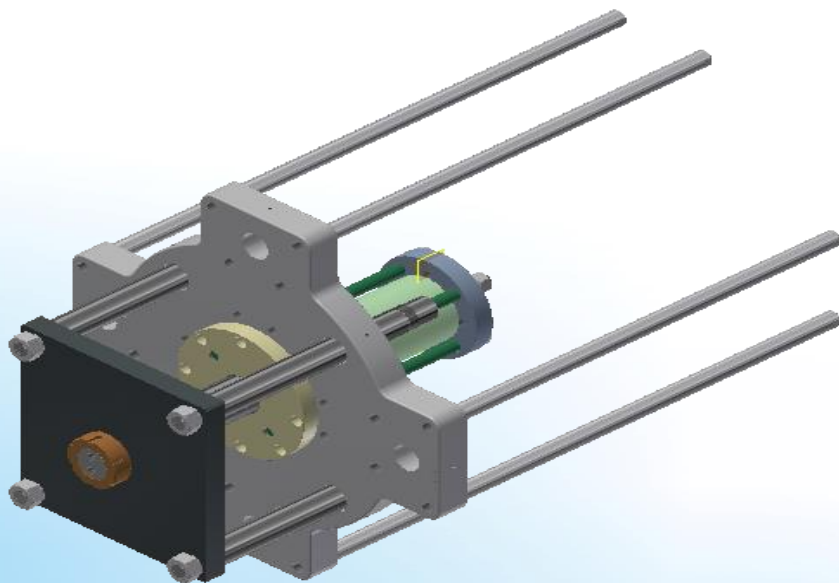
- Closing by 2 reciprocate cylinders diagonally on fixed platen.
- Locking by 4 synchronized clamping devices on moving platen.

Closing Cylinder & Locking Device

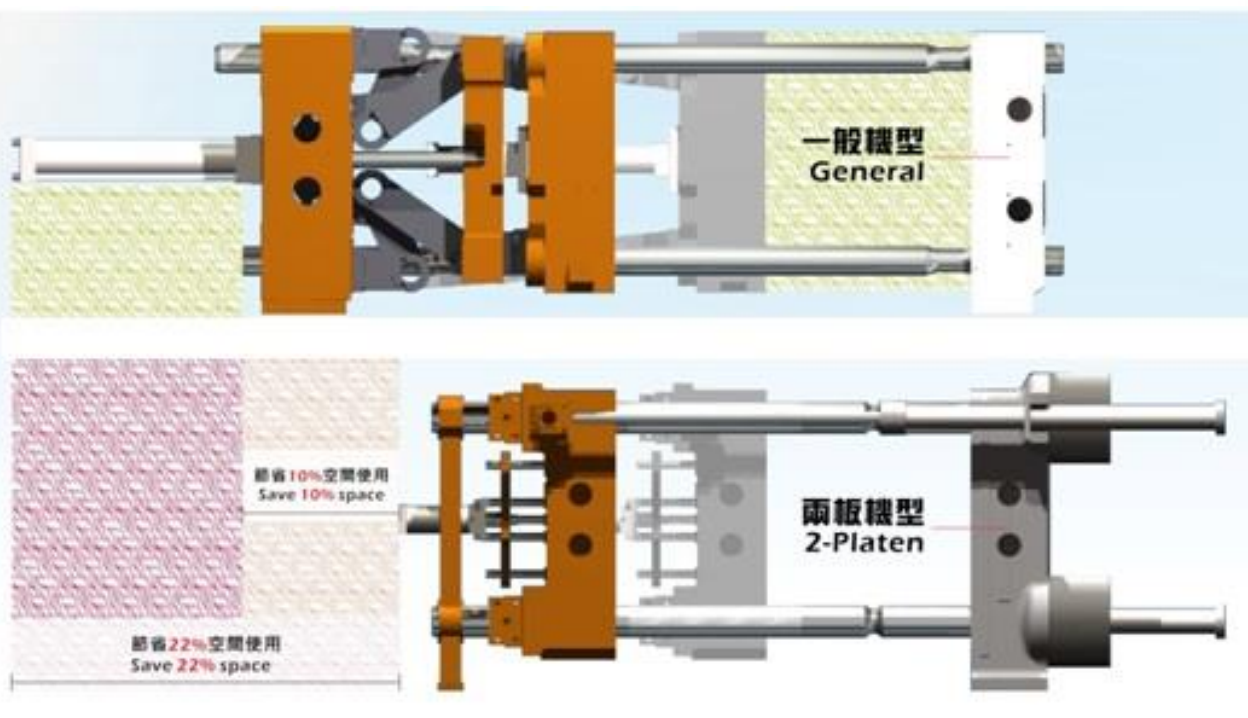


Built-in Ejection Cylinder

- Built-in design for longer stroke.



Mechanism Comparison



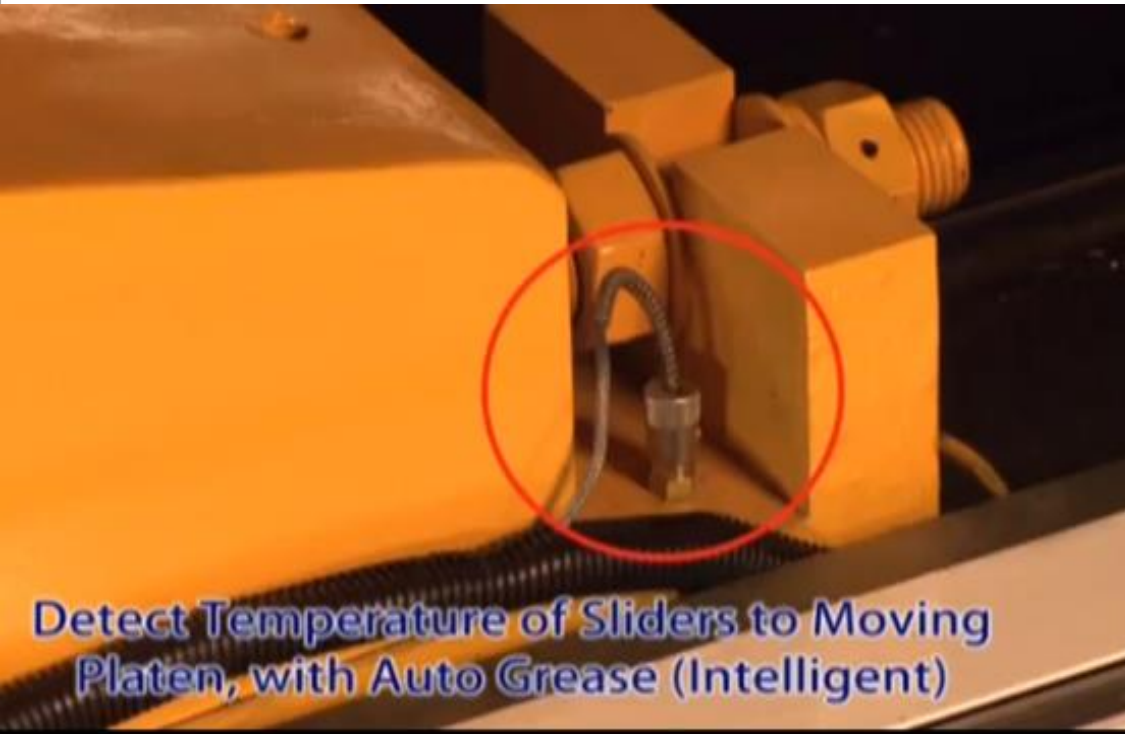
- Toggle arms & driving cylinder skipped.

520ton (5200-3140) ~ 4000ton (40000-54630)

Clamping Force	Injection Screw	Opening Stroke / max.	<i>Toggle (HRN)</i>	Machine Length (m)	<i>Toggle (HRN)</i>
520	85	1300	835	7.8	9.3
700	95	1450	925	8.6	10.6
900	100	1850	1025	9.1	11.2
1100	110	2050	1200	10.3	13.0
1300	120	2300	1305	11.0	14.2
1600	130	2450	1520	12.2	15.2
2000	140	2600	1610	14.5	16.3
2500	160	2800	1890	17.5	17.0
3200	175	2800	2150	19.3	21.2
4000	205	2800	2450	21.8	22.5

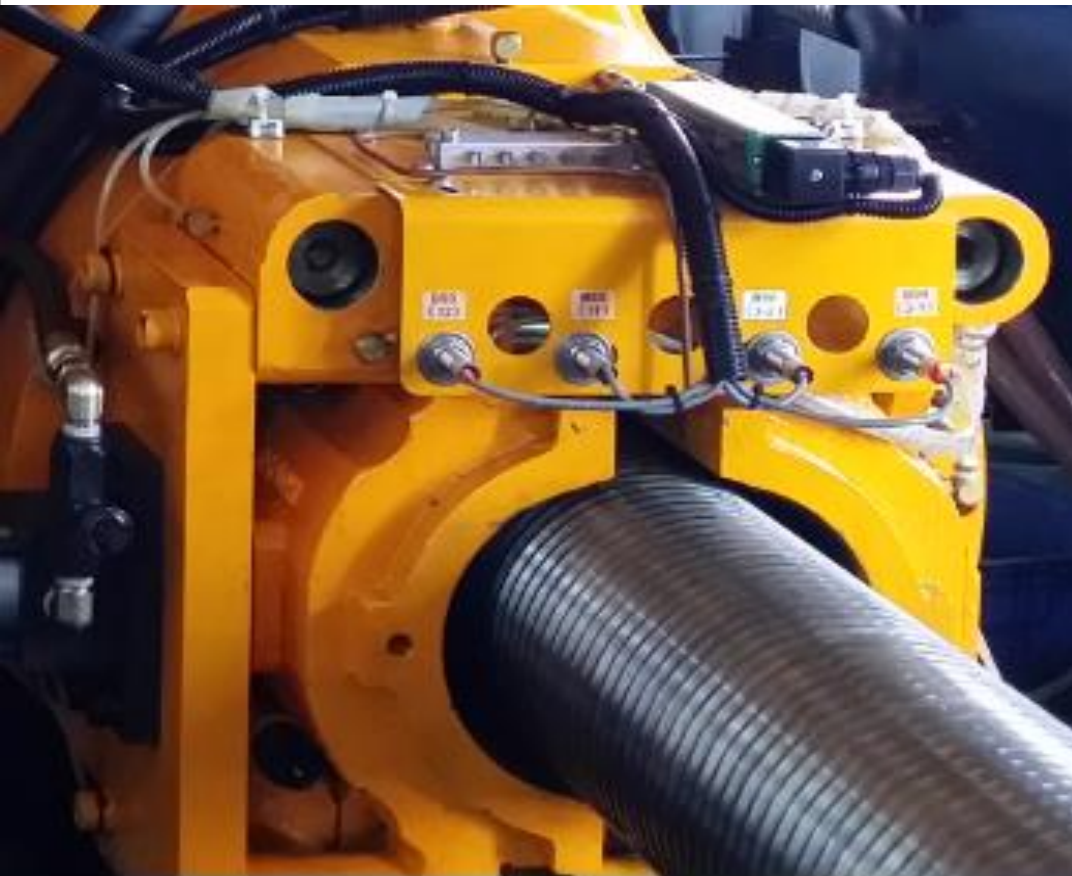
Auto-Greasing on Platen Sliders

- Functionally by temperature sensing.



Mold Tuning

- Auto-adjust, patented design.



Accurate Metering

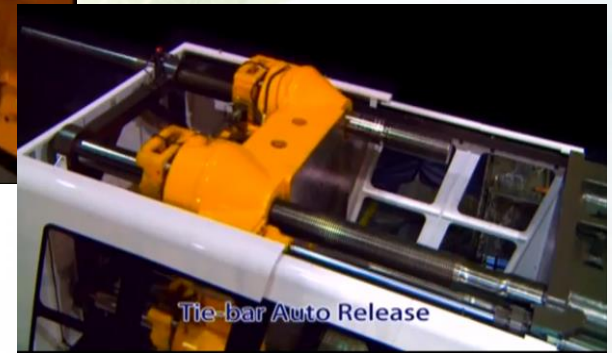
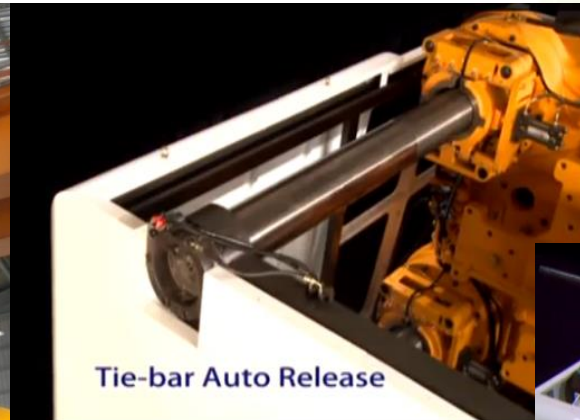
- Contactless potentiometer for lifted accuracy



Origin of Parts

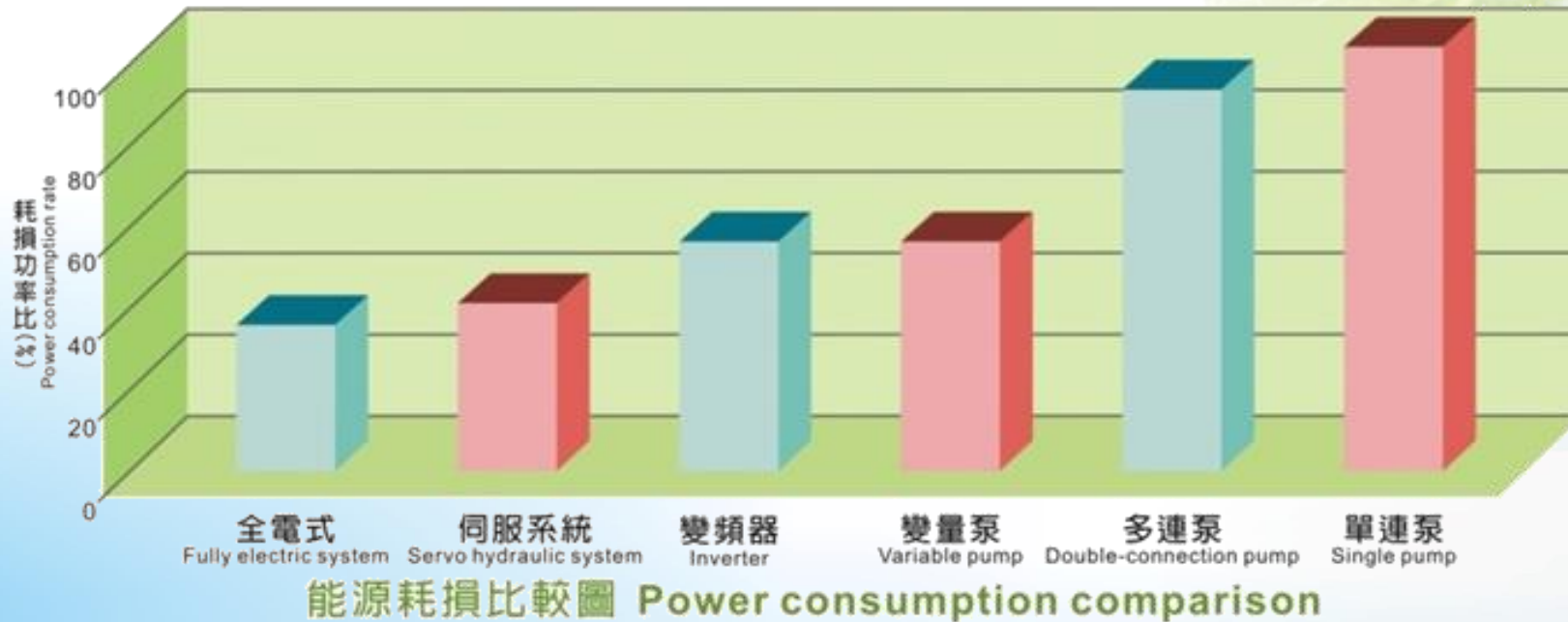
Controller / System	Good View / Windows Base	Taiwan
AC Motor	Shing Seng	Taiwan
Vane Pump	Yuken	Japan
Servo Motor & Gear Pump	Toshiba or Tokimec	Japan
Screw Charging Motor	Intermot	Italy
Tie-Bar & Injection Screw	SCM440~640 / Machining	Japan / Taiwan
Proportional / Solenoid Valve	Yuken	Japan
Lubrication System	Chen Ying	Taiwan
Relief & Back Pressure Valve	Tai Cheng	Taiwan
Hydraulic Manifold	Chyn Rong	Taiwan
Potentialmeter	Gefran	Italy
Water Cooler	Detta	Taiwan
SSR (Solid State Relay)	Luh Jiang	Taiwan
Heater Band	Jhin Chung	Taiwan

Retractable Tie-bar



- Optional function for low ceiling/crane facility.

Servo Hydraulic



- **AC motor & vane pump** replaced by **servomotor & gear pump**.
- For molding accuracy & power saving.

Servo Hydraulic

Power Consumption / Molding Sequence.



hydraulic

*fully electric
servo hydraulic*

closing injection packing charging cooling opening ejection