**EXTRUSION**

**Advanced Die Technology**
- On the fly, adjustable choke ring and die gap positions
- External adjustable gap with hydraulic or mechanical activation
- Optional oil cooled inner die lips
- Single or dual spider configuration
- Co-extrusion process allows simultaneous production of foam sheet with cap layer, AB or ABA

**Gas Injection Systems**
- Reliable Teflon diaphragm pumps
- Mass flow meter using PID control loop
- Pump head isolation valves
- Adjustable system relief valve
- Safety rupture head
- Manual drain and shut off valves
- Open design for optimal ventilation

**Unique Equipment Options**
- Advanced screw design with highest quality materials and customization for specific applications
- Application specific air hoops provide consistent cooling during the extrusion process
- Dual mandrel cart with side shift capability, allows for rapid mandrel changes without shutting down the extruder
- Custom sizing mandrels for PS, PE and PP

**Thermoforming Molds**
Commodore has a dedicated engineering staff to design custom molds and trim tools for each application. Our full service machine shop assures quick delivery of the highest quality products.

**Commodore Trim Tools**
Lightweight aluminum construction makes for easier handling and fast tooling changeovers. Our low cost steel rule design is simple to use and maintain. Punch and die tools are also available.

**Operator Interface**
Commodore equipment comes supplied with an intuitive graphical user interface that is available in multiple languages. The user interface is a fully integrated control system with full access to recipes and historical data, and remote diagnostics for troubleshooting around the clock.

**Service Solutions**
Leverage Commodore's wealth of knowledge to optimize your process. Assure machine readiness with preventative maintenance, machine evaluations and hardware upgrades. Advance your employee's training process with operator training, process optimization and project management support.

**Accurate Sheet Advancement**
- Internally cooled aluminum chain rails allow consistent sheet advance without rail jams.
- High carbon steel chain guides provide long lasting maintenance free operation.
- Front mounted servo motors pull chain to assure accurate index of sheet.
- Motors move sheet upwards of 200’ per second.

**Customized Ovens**
- Multiple zone heating for ultimate control
- Adjustable oven beds allow accurate sizing of the shot length permitting uniform heating during forming process
- Easiest access for cleaning and maintenance
- Efficient coated non-stick infrared heater panels

**Performance Features**
- Electrically operated servo motor trim press with counting and marking device.
- Optional power canopy to assure trim accuracy at high speed.

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26 Maple Ave, Bloomfield, NY 14469 | 585-657-7777 | www.CommodoreSolutions.com
## Extrusion Equipment

### EXTRUDERS

<table>
<thead>
<tr>
<th>Model</th>
<th>EX-140</th>
<th>EX-300</th>
<th>EX-375</th>
<th>EX-545</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Barrel Size</td>
<td>4.5/2&quot; (114mm/38.1)</td>
<td>4.5/2&quot; (114mm/38.1)</td>
<td>5/2&quot; (127mm/50.8)</td>
<td>5/2&quot; (127mm/50.8)</td>
</tr>
<tr>
<td>Secondary Barrel Size</td>
<td>4.5/2&quot; (114mm/38.1)</td>
<td>5/2&quot; (127mm/50.8)</td>
<td>5/2&quot; (127mm/50.8)</td>
<td>5/2&quot; (127mm/50.8)</td>
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<tr>
<td>Throughput</td>
<td>275-300 lbs/hr</td>
<td>500-600 lbs/hr</td>
<td>550-840 lbs/hr</td>
<td>1200 lbs/hr</td>
</tr>
<tr>
<td>Sheet Width</td>
<td>21-36&quot; (533-914mm)</td>
<td>21-36&quot; (533-914mm)</td>
<td>21-36&quot; (533-914mm)</td>
<td>21-36&quot; (533-914mm)</td>
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</table>

### Thermoforming Equipment

<table>
<thead>
<tr>
<th>Model</th>
<th>SX-44S</th>
<th>SX-28S</th>
<th>SX-28</th>
<th>SX-16</th>
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</thead>
<tbody>
<tr>
<td>Sheet Width</td>
<td>46&quot; (1168mm)</td>
<td>30&quot; (762mm)</td>
<td>30&quot; (762mm)</td>
<td>30&quot; (762mm)</td>
</tr>
<tr>
<td>Mold Width</td>
<td>46&quot; (1168mm)</td>
<td>30&quot; (762mm)</td>
<td>30&quot; (762mm)</td>
<td>30&quot; (762mm)</td>
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<tr>
<td>Mold Length</td>
<td>56&quot; (1422mm)</td>
<td>40&quot; (1016mm)</td>
<td>40&quot; (1016mm)</td>
<td>21.5&quot; (546mm)</td>
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<tr>
<td>Servo/Hydraulic</td>
<td>Servo</td>
<td>Servo</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
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</table>

### Trim Press

<table>
<thead>
<tr>
<th>Model</th>
<th>TP-46</th>
<th>TP-46HD</th>
<th>TP-30HD</th>
<th>TP-30</th>
<th>TP-30H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>144&quot; (3700mm)</td>
<td>144&quot; (3700mm)</td>
<td>132&quot; (3350mm)</td>
<td>121&quot; (3070mm)</td>
<td>121&quot; (3070mm)</td>
</tr>
<tr>
<td>Width</td>
<td>80&quot; (2032mm)</td>
<td>80&quot; (2032mm)</td>
<td>80&quot; (2032mm)</td>
<td>80&quot; (2032mm)</td>
<td>80&quot; (2032mm)</td>
</tr>
<tr>
<td>Speed</td>
<td>144 CPM</td>
<td>144 CPM</td>
<td>144 CPM</td>
<td>144 CPM</td>
<td>144 CPM</td>
</tr>
</tbody>
</table>

PRODUCTION TESTED EVERY DAY

Our technology is proven in our own foam production facility. We use Commodore made equipment, tooling and process knowledge to provide the highest quality foam products for several industries.

TURNKEY SOLUTIONS

We offer complete production lines for foam, with value based choices that can meet many budgetary needs. We offer narrow and wide sheet options for a diverse product mix or high volume production requirements.

COMPLEMENTARY AND CUSTOMIZED

Our production equipment is complemented by our mold and trim tool technology. We can work to create a complete product line specifically for your market.