CompRex: Compact Technology Leader

- 150+ years of combined industry experience among leadership team
- Two decades of development and commercialization
- 16 patented manufacturing and application technologies

Turnkey Solution Provider for Processes Containing Compact Technology

**Proprietary Technology**

- Custom design, engineering and manufacture of compact heat exchangers and compact heat exchange reactors for high temperature and high pressure applications
- ASME coded diffusion bonded or brazed products

**BgtL LLC**

- Process Design and Integration
- Sister Company

**Robinson Metal, Inc.**

- Procurement, Fabrication, & Installation
- Manufacturing Partner
## CompRex: Capabilities at a Glance

### Current Clients
- Publicly-listed / Fortune 500 specialty chemical, gas and oil companies

### Current Design Parameters

<table>
<thead>
<tr>
<th>Construction Material</th>
<th>Typical Peak Temp (°C/°F)</th>
<th>Typical Peak Pressure* (bar/psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>815/1,500</td>
<td>180/2,600</td>
</tr>
<tr>
<td>Advanced Alloys</td>
<td>900/1,650</td>
<td>300/4,350</td>
</tr>
<tr>
<td>Aluminum</td>
<td>204/400</td>
<td>&gt;100/&gt;1450</td>
</tr>
</tbody>
</table>

* Peak Pressure varies with operating temperatures, and rating may vary with application.

### Current Efficiency

<table>
<thead>
<tr>
<th>Surface Area Per Unit Volume (1/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diffusion Bonding</td>
</tr>
<tr>
<td>Brazed Bonding</td>
</tr>
<tr>
<td>S&amp;T Exchanger</td>
</tr>
<tr>
<td>Stirred Tank System</td>
</tr>
</tbody>
</table>

Rating: 0-10,000
CompRex: Competitive Advantages

Compact Design
- Surface/Volume ratio > 1000 ft²/ft³
- Compact footprint for process intensification
- Higher energy efficiency resulting in lower Opex and CapEx

Scalable Construction
- Customized flow passages for optimal performance
- Numerous channel designs with scalable width and height
- Multiple layers => Core blocks => Assemblies

Advanced Manufacturing Technologies
- FinRex - Brazed Plate-fin Technology
- ShimRex - Diffusion Bonded Technology
- Both technologies produce ASME-coded vessels