



High Performance . . .  
Under Pressure®

## High Performance News

### Pressing Matters



We recently enhanced our existing molding capabilities with the addition of a new custom 40 ton hydraulic transfer press. It will provide additional firepower to BIRNS' molding facility for connector inserts, allowing computer controlled precision for functions like injecting glass reinforced epoxy (GRE) and providing increased speed and output for large orders.

The press has an advanced user interface for seamless set up and process control, offers the options of either manual or fully automated cycles, and features multiple zone heat control, with closed loop thermocouple connections on the system used for monitoring precise mold temperature. Control transfer pressure, velocity, time and position provide the exact transfer profile required for highest quality parts with exacting tolerances, such as the company's extremely high density, 6km-rated connector inserts. The press can store hundreds of individual molding recipes with Ethernet access to the BIRNS server for storage and backup.

### Power Meets Performance in the BIRNS Primum™ Series

The [BIRNS Primum™ series](#) is a heavy duty connector line that's open face pressure rated to 6km, and stands up to the harshest physical abuse that the marine environment can dish out. It provides incredible power, signal and voltage performance capabilities, including requirements above 3kV, and its wide array of pin configurations includes options up to 40 electrical contacts from 2 to 20 AWG.

This robust line of connectors is trusted across the globe for challenging electro-mechanical applications, and is available in straight and right angle molded or oil-filled cable assemblies. Made of 316 stainless steel passivated per ASTM A967, or custom built with practically any material specified, the BIRNS Primum series has advanced features like stainless steel integral keys and keyways, dual o-rings, positive stops to prevent over tightening, and BIRNS' exclusive molded 15° lead in chamfer, which ensures o-ring longevity and reliability. The series is engineered with positive stainless steel stops and thick, hexagonal engaging nuts to resist mechanical damage.



## BIRNS to Exhibit at Oceanology International North America

We're looking forward to participating in the first ever Oceanology International North America trade show in February of 2017. The event will be at the San Diego Convention Center, and BIRNS will be in stand A25, with a full team of our experts ready to showcase the latest cutting edge lighting and connectivity solutions.

Oceanology International has had huge industry success in London and China, and the flagship North American iteration is expected to follow suit. We'll look forward to seeing you there!



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BIRNS' Quality Management System is  
ISO 9001:2008 Certified;  
NRC 10CFR50, App. B Compliant

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