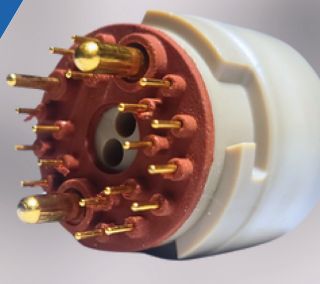
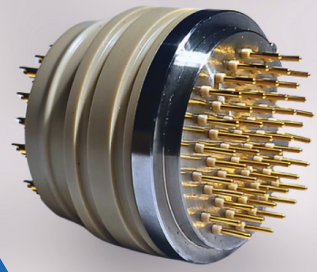
LUC
Technologies

ADVANCED ENGINEERING SOLUTIONS FOR EXTREME CONDITIONS

- ✔ Engineering
- ✔ Manufacturing
- ✔ Testing





Visit Us:
www.luc-tech.com

WHO WE ARE

LUC Technologies is a leading product development company specializing in both innovative standard products and custom-tailored solutions, supported by attentive customer service.

Founded in Houston, Texas, in 2013, we began manufacturing PEEK-injected power connectors for wellhead penetrator systems. In 2022, LUC Technologies acquired V-J Electronic Assemblies, an electronic and mechanical assembly facility located in Stafford, Texas. Following the acquisition, the two companies relocated to a 17,000-square-foot facility in Stafford, which includes offices, a manufacturing shop, an assembly floor, and test labs. Together, under the names GUS Products and LUC Technologies, we deliver comprehensive services to our clients.

At LUC Technologies, we combine quality design and operational agility to provide best-in-class services.

WHAT WE DO

LUC Technologies develops, purpose-built equipment for applications having gaps in product and/or technology design. Our product lines include, but are not limited to:

- ✔ HPHT Connectors
- ✔ High Voltage Power Feedthru
- ✔ Underwater Connectors
- ✔ High Voltage Explosion Proof Connectors and Junction Boxes
- ✔ Electrical Assemblies
- ✔ Cable Assemblies
- ✔ Rubber Molded Connectors
- ✔ Rubber Boots

We proudly serve our clients in the following sectors:

- ✔ Exploration and Geophysical
- ✔ Onshore and Offshore Drilling
- ✔ Onshore and Offshore Production
- ✔ Downhole Pumping and Controls

CAPABILITIES

LUC Technologies provides comprehensive engineering solutions, covering every stage from design and simulation to manufacturing.

Our expertise includes electrical, mechanical, and systems engineering, with advanced capabilities in 2D/3D modeling, PEEK injection molding, CNC machining, and custom rubber molding.

We utilize premium materials such as Virgin PEEK, Beryllium Copper, and high-strength stainless steel to produce high-performance connectors, cable assemblies, and junction boxes.

Certified to ISO 9001:2015 standards, our products undergo rigorous testing to ensure exceptional reliability, even in the most demanding environments.

Design

Application Engineering
Process Engineering
Electrical Engineering
Mechanical Engineering
System Engineering
2D & 3D Modeling
FEA Simulation
Circuit Design

Manufacture

PEEK Injection Molding
Rubber Molding
CNC Machining
Cable Assemblies
Junction Boxes
Manufacturing Process
ISO 9001:2015
Pressure & Electrical Testing

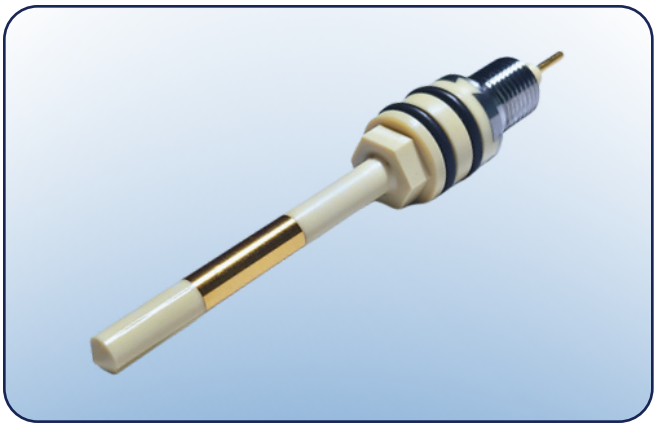
Materials

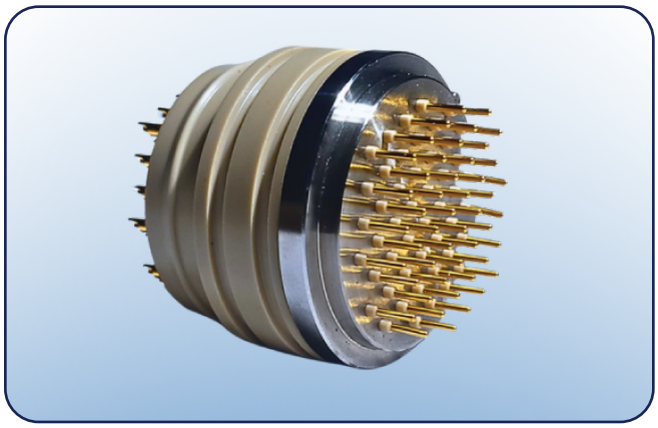
Virgin PEEK
PEK (PEEK HT)
Glass Filled PEEK
FKM, FFKM
EPDM, HNBR
Silicone / Neoprene
Natural Rubber
Beryllium Copper (BeCu)
Gold Plated Copper
Aluminum 6061-T6
316 SST, 17-4ph SST

SINGLE PIN HPHT

The workhorse of HPHT connectors, these are designed for use in downhole wellheads, subsea environments, offshore topsides, and most land-based applications.

They are rated for a maximum of 30,000 psi and 400°F.





MULTI-PIN HPHT

This product line includes a variety of sizes and configurations, such as multi-gender connectors and steel-reinforced high-density connectors for extra-high-pressure applications.

POWER SERIES

Manufactured to deliver power to downhole ESPs, these connectors are HiPot tested up to 30,000 volts.

Let LUC Technologies manage your wellhead penetrator connections from top to bottom. With our machining capabilities, we can supply turnkey penetrator assemblies, with or without metal shells, fully tested either way. We are also equipped to manufacture a wide variety of other assemblies to meet your needs. Our in-house expertise spans downhole, surface, and subsea applications.

ASSEMBLIES

LUC Technologies offers component soldering, cable and wiring assemblies, epoxy, and complete electro-mechanical assembly for downhole applications.

KVEX/ JUNCTION BOX

The KVEX connector is designed for the next-generation modularized ESP system, featuring multiple layers of safety to protect personnel. It is designed for NEC Class 1 Div 1 A, B, C, D / ATEX Zone 1 environments.

We design, assemble, and test junction boxes for IECEX and ATEX-rated environments. The boxes shown to the right are Class 1 Division 2 rated.

RUBBER MOLDING

LUC Technologies uses modern elastomer molding press technology capable of molding any industrial elastomer, including natural rubber. Our expertise in mold design, combined with precise control over temperatures and cure times, allows us to achieve tolerances of +/- 0.002 inches when needed.

PEEK IS OUR SPECIALTY

PEEK offers excellent mechanical and electrical properties and can withstand temperatures up to 250°C (428°F). It is an ideal material for connectors in harsh environments.

LUC Technologies is an expert in all phases of PEEK production, including design, injection molding, bonding, and machining.

TESTING

- ✔ Electrical
- ✔ Stress
- ✔ Cycle
- ✔ Hydrostatic
- ✔ Temperature
- ✔ Custom

All of our testing is per applicable standards as follows:
Qualification: API RP 170, 17N
Subsea: API STD 17F
Verification / Validation: API TR 17TR7 HiPot/
Acceptance: ANSI/NETA ATS-2021

LUC

LET US CONNECT

12818 Century Dr. Stafford
TX, 77477

832-960-7997

info@luc-tech.com

www.LUC-tech.com

https://www.linkedin.com/company/
luc-technologies-llc./