



# GRAPHEL CARBON PRODUCTS

*Providing Precision Graphite  
Machining & EDM Solutions for  
Over 55 Years*

[www.GRAPHEL.com](http://www.GRAPHEL.com)

# Our History

- **1965** : Established to serve EDM industry
- **1971**: Expanded to include Distribution Graphite and EDM Machining
- **1991**: Became Poco Graphite's largest distributor, and the preferred vendor for GE Aviation and GE Power & Water
- **1995**: Expanded to include Engineering & Design Services
- **1999**: Acquired by Graphite Metalizing Corporation
- **2005**: Acquired Carbon Products, Ramsey MN
- **2015**: Celebrated 50<sup>th</sup> Anniversary
- **2018**: Multi-Million Dollar Expansion 5 Axis Milling
- **2019**: Selected as one of the Top Ten Aerospace Solution Providers
- **2019**: 4 years running Entegris | Poco Materials World's Largest Distributor

# About Graphel

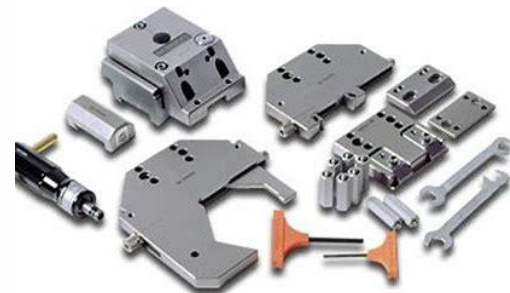
**World's largest supplier of EDM Graphite Blanks & Electrodes for the Tool & Mold, Aerospace / Aviation, and Power Generation Industries.**

- 3 locations & over 75,000 sq/ft of manufacturing space
- Engineering Team with over 100 years of electrode design, Electrode holder design & build
- Expertise in graphite, from graphite manufacturing through and including graphite performance in the EDM / heat treating processes
- Every customer is assigned a specific customer service representative to create a relationship and an understanding of the customers expectations to prevent mistakes and expedite services

# Our Partners



# system 3R



*EMS Graphite Materials*

CP Graphite Materials



# Unmatched Quality

***Our Goal is a Satisfied Customer who receives a Defect Free Product,  
On Time... Every Time...***



***Graphel maintains ISO 9001 & AS9100 Certifications Provided by NSF-ISR at the Ohio & South Carolina Facilities***

## Markets Served

- Aerospace & Aviation
- Tool & Die / Tool & Mold
- Power Generation
- Furnace Parts & Fixtures
- High Temperature Heat Treating Furniture
- Graphite Bolts & Nuts
- Quartz Glass Graphite Fixtures
- Hot Pressing Dies
- Sintering Fixtures
- Medical Fixtures, Electrodes for Joint Replacements
- Automotive
- Solar



## Graphite Blanks Precisely Machined to Your Specifications and Shipped in 24 Hours or Less!

### Precision Graphite Solutions

Although many graphite grades may have similar specifications, even slight differences in the properties of the material can make a big difference in the performance and wear of the product.

When you work with Graphel Carbon Products, you will receive the exact grade of material you ordered. We do not substitute materials – you can buy the grade of material required for your application with complete confidence you will receive the grade of material you ordered. Guaranteed!

For 50 years, Graphel Carbon Products has offered a wide range of high quality materials, manufactured by the industry leaders.

### 24 Hour Service

The graphite you need is in stock. Your order is quickly and precisely machined to your specifications.

Most orders ship same day or, at the latest, one day after your order is received.



### Our Products – Graphite Materials

You can choose the graphite you need from a large selection of the highest quality materials in the market. If you are not certain about the best graphite material for your application, Graphel Carbon Products can assist you with technical support directly from the material manufacturer.

Graphel Carbon Products offers materials from the following manufacturers:

- Poco Graphite
- Ibiden Graphite
- Toyo Tanso

All of the above materials are available in:

- Sawcut Blocks
- Precision Ground Blanks
- Diameters

Graphel Carbon Products also offers blanks drilled and tapped for electrode mounting:

- System 3R
- Erowa Tooling
- Any electrode mounting pattern



## Graphite Blanks

- Ground 6 Sides
- Ground 4 Sides
- Ground Top & Bottom
- Drilled & Tapped materials for all types of holders, 3R, Erowa, for any hole pattern
- Re-Mount Program – Send your tooling with used electrodes and we will remove old and remount new blanks to your specs
- T-Slot machining on any materials
- Machining and Mounting of Metallic materials



# Machined Graphite & Graphite Solutions

Fabricated EDM Electrodes and Graphite Parts for all Industries  
Electrode Redress program for EDM parts and Electrodes





# Core Competencies

## Committed to the Highest Levels of Quality

Quality is at the center of everything we do. We know our customers depend on us to deliver defect free products on time, every time.

## Devoted to Unprecedented Service

Service is the foundation of Graphel Carbon Products.

We strive to understand our customers needs and provide every customer with individualized, highly responsive service.

## Unsurpassed Innovation

Innovation is the life blood of our business. Our team is dedicated to become your premier graphite machining solutions provider, and our employees are encouraged and given the freedom to innovate

## Our Ask

What does our company need to do to have the opportunity to offer products and services to your organization?

Given an opportunity, our team, products, and services will make you our next long-term customer!

Please contact us:

Phone: 800.255.1104 E-Mail: [sales@graphel.com](mailto:sales@graphel.com) Web: [www.graphel.com](http://www.graphel.com)

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