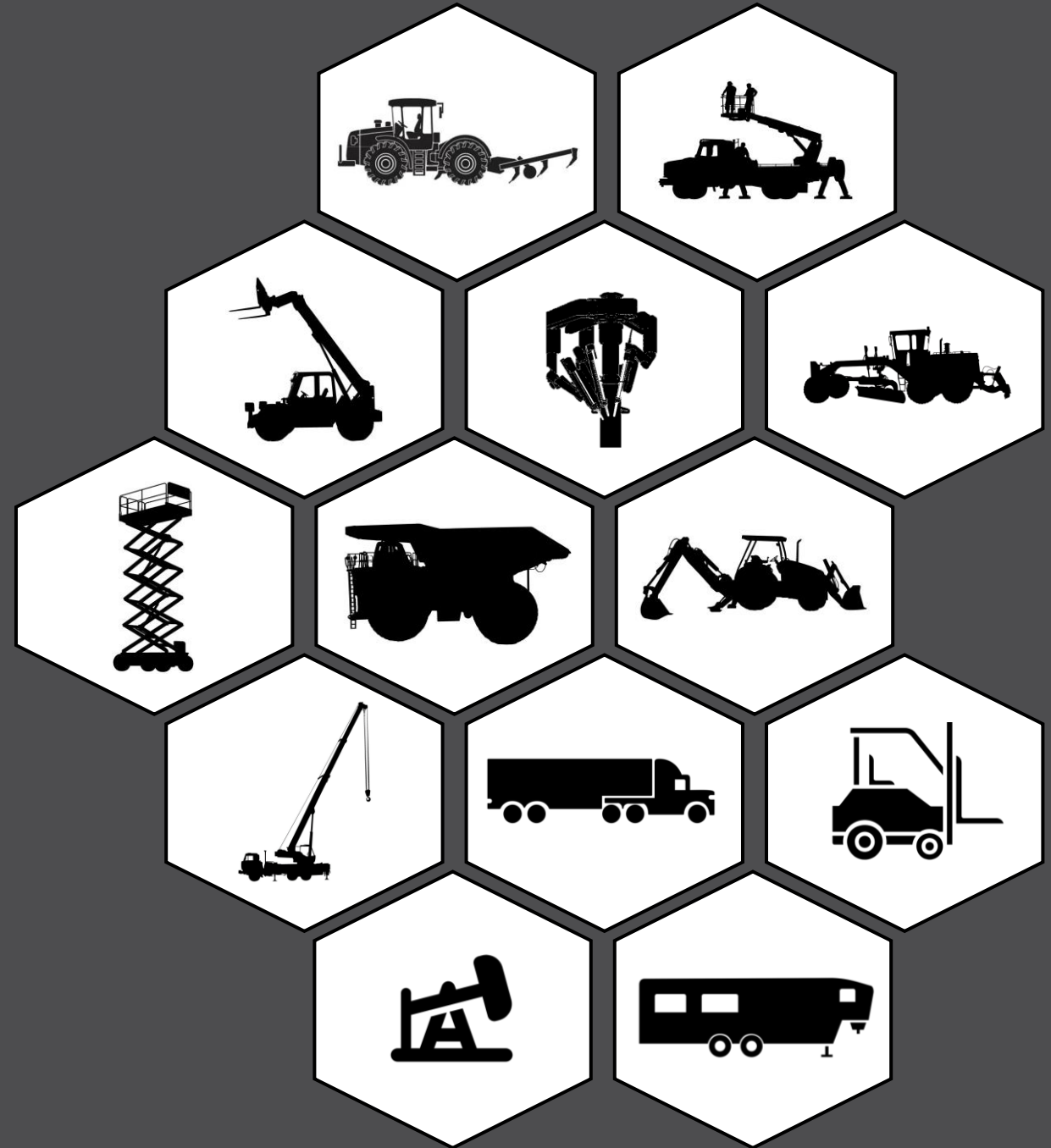




Polygon

Composites Technology

IACMI 2024 – Small to Medium Enterprise





Company Overview

Founded: 1949

Location: Walkerton, Indiana

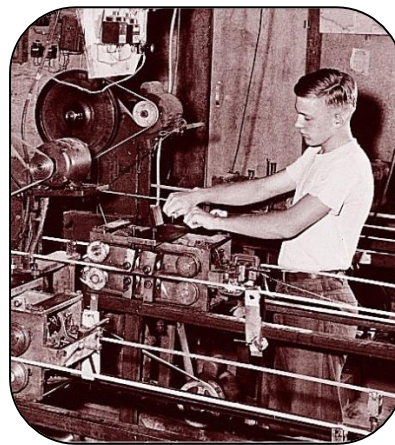
Employees: 230

Facilities: 2 (140K sq. ft.)

Products: Fiber Reinforced Composite Tubes

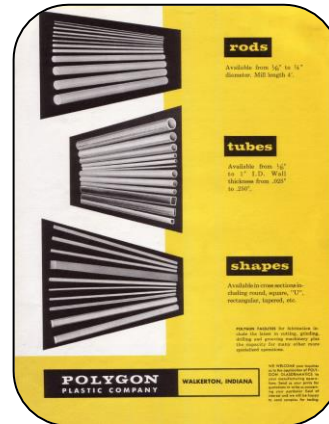
Manufacturing Processes: Filament Winding, Pultrusion, & Braiding

Materials: Fiberglass, Epoxy & Vinyl Ester Resins, Continuous Fiber, & Knitted Liners



1 Founded by a chemist, Sam Shobert, working on advanced composites at Wright Patterson Airforce Base

2 Origins as a manufacturer of recreational products under the name Plas/Steel



3 Transition to 2nd generation; Rebranded to Polygon and turned focus to industrial applications

4 Additional focus on medical applications; acquired by LDI, Ltd.



Bearings

Manufacturing Process:
Filament Winding

Key Product Benefits:
**Maintenance Free
(Elimination of Grease)**

Non-Corrosive

Resistance to Impact Fatigue

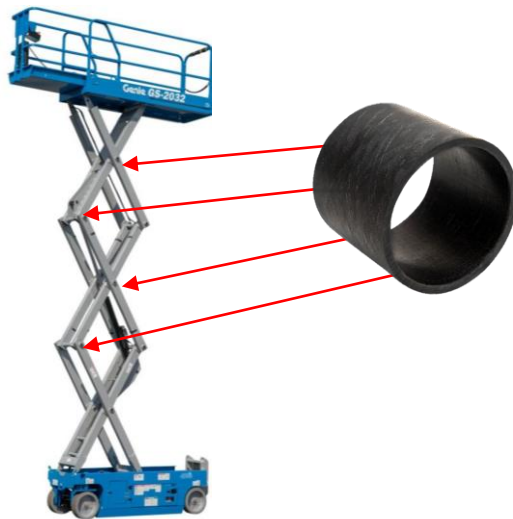
High Load Capacities

Thermal stability

Low Friction

Weight Reduction

Aerial Work Platforms



Agriculture



Construction



Marine





Advanced Tubing

Manufacturing Process:
Filament Winding

Key Product Benefits:

Insulative (Electrically and Thermally)

Ability to Withstand Extreme Environments

Translucent Options

Weight Reduction

Chemical Resistance

Impact Resistance

Defense



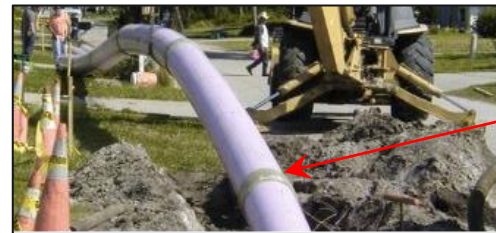
Oil & Gas



Chemical



Wastewater/Piping



Medical

Manufacturing Process:
Pultrusion

Key Product Benefits:

Insulative (Electrically and Thermally)

MRI Compatible/Radio Opaque

Reusable & Resilient Material

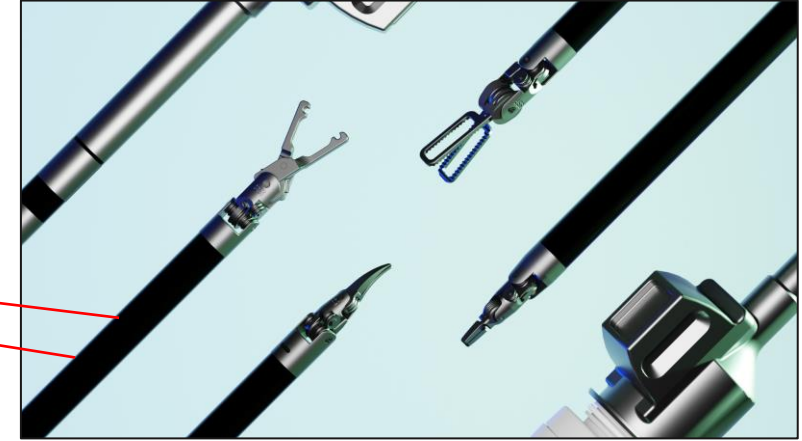
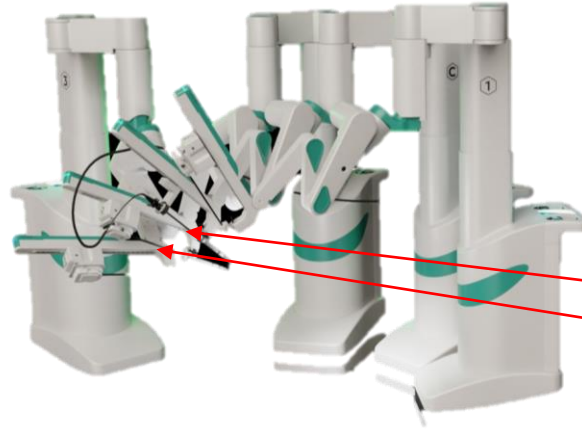
Multi-Lumen Capable

Non-Corrosive

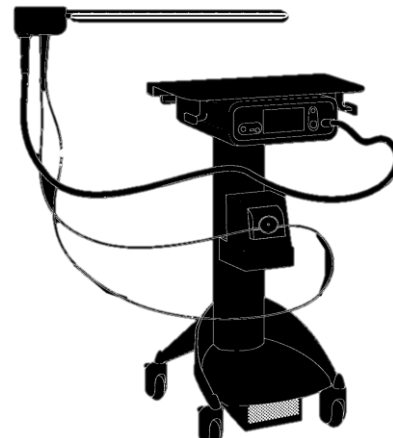
High Degree of Stiffness

Customizable

Robotic Surgical Systems



Ablation



Laparoscopic Surgery



POLYGON

COMPOSITES TECHNOLOGY

CELEBRATING



Contact

Scott Farrissee

scofar@polygoncompany.com

(574) 586-3145



Website



LinkedIn