

**Polygon™**  
Miter & Butt Fusion  
For 2" - 6" (63mm - 180mm)  
Polyethylene Pipe &  
Socket Fusion  
Capability For 2" -  
4" (63mm - 125mm)  
Pipe & Fittings



# POLYGON™

## ONE MACHINE FOR BUTT, MITER AND SOCKET FUSION

The Polygon from McElroy is the first manual butt fusion machine that's DataLogger® compatible. It allows installers the flexibility to complete butt and miter fusions from zero- to 45-degree angles and has the additional capability to perform socket fusions. This three-in-one machine's simple design and light weight make it the ideal prefabrication tool on 2" to 6" polyethylene pipe jobsites.



### FUSES MITER ANGLES ON THE JOB

The Polygon's mitering options are designed to meet the unique complexities of mechanical piping installations and retrofits where installers must navigate around various obstructions in buildings. With the ability to perform miter fusions in the field, time and costs can be saved on purchasing and waiting on molded or fabricated fittings to be made.

### PIVOTING JAWS

The Polygon's quick-clamping jaws pivot in either direction which makes the machine faster and easier to set up. The rotating jaws will lock in exact angles from zero- to 45-degrees for butt or miter fusions, and the outer jaws are easily removable for fusion in tighter work spaces. The jaws can also be swapped with an optional Spider™ 125 Adapter Kit for socket fusion.



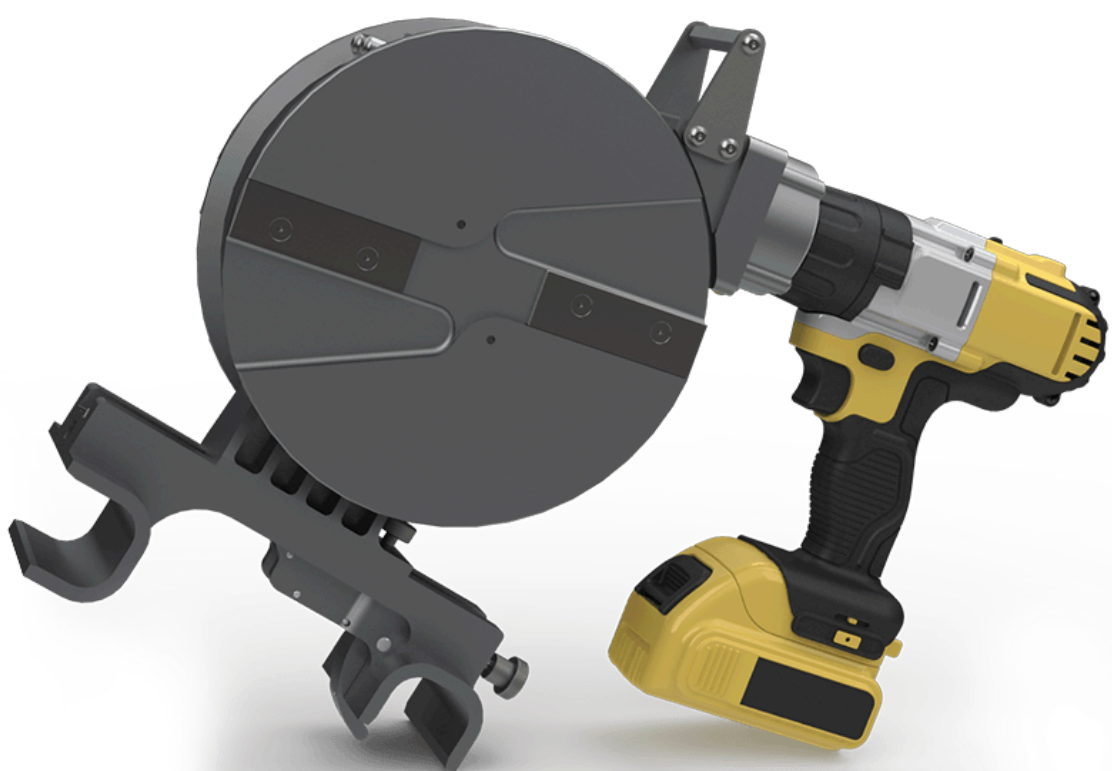
### DATALOGGER® COMPATIBLE MANUAL FUSION

The Polygon is McElroy's first manually-operated butt fusion machine with DataLogger capability. This provides a manually-operated solution with the added capability of capturing joint information to ensure that proper fusion procedures have been followed prior to installation. Joint records from the DataLogger can be securely stored and analyzed online in the Vault™. This allows quick and easy sorting, tagging and sharing of joint records by machine, joint, operator, device or job.

[Learn More](#)

### MINIMAL POWER REQUIREMENTS

With a manually-powered fusion carriage and a battery-operated drill to power the facer, the only power required is for the 1,600-watt heater. This helps minimize the amount of extra power equipment needed onsite and simplifies the working space.



### INDUSTRY-LEADING WARRANTY

#### GUARANTEED PERFORMANCE

McElroy equipment is built to withstand the tough environments our industry encounters. We're confident that your machine will perform to the best of its capabilities. We've even given each piece of equipment a 5-year warranty — the longest available in the industry.

[Learn More](#)

## ADDITIONAL FEATURES

	Polygon
Produces miter, butt and socket fusion joints	✓
Quick-clamp, pivoting jaws for faster, easier setup	✓
Quick open/close, non-back-drivable wheel drive for smooth jaw movement	✓
Side-positioned wheel drive	✓
The first manual machine with DataLogger capability to assure quality fusion joints	✓
The first manual machine with DataLogger capability to assure quality fusion joints	✓
Sturdy travel case for easy transport of entire machine and accessories	✓
Easy-to-view pressure gauge	✓

## MODELS

Select a machine below for more detailed specifications and model-specific features.



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Miter & Butt Fusion For 2" - 6" (63mm - 180mm)  
Polyethylene Pipe & Socket Fusion Capability For  
2" - 4" (63mm - 125mm) Pipe & Fittings  
One Machine For Miter, Butt And Socket Fusion

[Learn more about Polygon™](#)

### FIND A DISTRIBUTOR NEAR YOU.

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