

CAPABILITY SHEET

Certified butt fusion and electrofusion HDPE piping for industrial and infrastructure projects

MAC Industrial's HDPE piping crews hold current operator certifications for butt fusion and electrofusion joining per ASTM standards. We deploy calibrated fusion equipment with full data logging capability and maintain complete fusion parameter records for every joint installed.

Our work spans plant water systems, leachate collection, cooling water return, and firewater supply applications with PE4710 and PE3408 pipe materials.

- Butt fusion joining from 2" to 54" IPS and DIPS sizes
- Electrofusion fittings installation and testing
- Horizontal directional drilling (HDD) pull-back support
- Hydrostatic pressure testing per ASTM F2164
- Vacuum box leak testing at joints
- As-built joint data logs with operator, equipment, and parameter records
- PE4710 and PE3408 material handling and storage

- ASTM D3261 — Butt Heat Fusion Polyethylene Fittings
- ASTM F1055 — Electrofusion-Type Polyethylene Fittings
- ASTM F2620 — Heat Fusion Joining of Polyethylene Pipe and Fittings
- ASTM F2164 — Field Leak Testing of Polyethylene Pressure Piping