

# RETRO SYSTEMS

## High Capacity Hi/Low Preheat Oxy-fuel Cutting Manifold

### Description:

The Retro Systems **High Capacity Hi/Low Preheat Oxy-fuel Cutting Manifold** is designed for the most demanding oxy-fuel cutting applications using multiple torches.

This package delivers rapid pierce times, excellent cut face surface, reduced spatter during piercing, elimination of top edge rounding and optimized cutting speeds.

Preheat fuel, preheat oxygen and cutting oxygen pressures are set at the manifold. The rate that cutting oxygen pressure increases during the pierce is set by the Pierce Rate Control knob.

The Oxy-fuel Operator Panel includes switches to manually select the plasma, oxy-fuel or marking process. Once selected, the oxy-fuel cutting process may be controlled automatically by the CNC control or manually by the switches on the panel.

### Package includes:

- Hi / Low Preheat Gas Control Panel
- Operator control panel
- Interface control module

### Hi/Low Preheat Gas Control Panel:

- Pressure gauges for fuel gas and oxygen
- ½" NPT regulators for high & low preheat fuel
- ½" NPT regulators for high & low preheat oxygen
- ½" NPT regulator for cutting oxygen
- Pierce rate control for Ease-On cutting oxygen



Hi / Low Preheat Gas Control Panel

### Operator Control Panel:

- Emergency Stop Button
- Plasma / Oxy-fuel Process switch
- Preheat On/ Off switch
- Hi / Low Preheat switch
- Cut On / Off switch
- Auto Ignition switch
- Marker On/ Off switch
- Station On/ Off
- Station Up/ Down
- Control panels for (6) or (12) stations



Operator control panel for (6 or 12) stations

### Applications:

- High capacity multiple torch oxy-fuel machine cutting up to 12" carbon steel.