



The Heat Technology Company™

# Glass Manufacturing Burner Solutions



# Selas Specializes in Combustion Systems for Glass Manufacturing

## *Reliable Combustion Technology for the Glass Market*

With the development of oxy-fired burners for glass furnaces and forehearths, Selas leads the way as a global source for this technology. Oxygen and fuel safety and control systems are designed and engineered for your specific local requirements and are supported throughout the world.

Selas provides a wide range of equipment and process systems to the glass industry, all engineered around the unique challenges of glass.

We have experience with a variety of glass operations:

- Regenerative burners and combustion systems for melters
- Oxy Fuel burners and combustion systems for melters
- Forehearth Premix combustion systems
- Forehearth Oxy Gas burners and combustion system
- Hydrogen capable burners for glassmaking
- Refiner and working end burners
- Edge heating and canal combustion systems for float
- Lehrs and ovens
- Processing and polishing



### Selas Burners for Glass Furnace Applications



#### Oxy Gas Flat Flame Burner\*

Produces a sheet flame shape to maximize radiant heat transfer to glass tanks.

\*Duel fuel set up also available.



#### Oxy Fuel Forehearth Burner

Designed to provide temperature homogeneity.



#### Oxy Conical Burner\*

Creates a luminous flame with highly radiative heat transfer. Staging and no-staging options available.

\*Duel fuel set up also available.



#### Selas Adjustable Gas Burner (SAGB)

Designed with an adjustable mechanism for flame length and energy release position.



#### Selas Adjustable Oil Lance (SAOL) Burner

Provides flexibility by offering two body sleeve sizes.

「 Oxyfuel Furnaces 」

「 Regenerative Furnaces 」

## Selas Burners for Secondary Glass-Finishing Applications

### Lehrs & Ovens



#### NEW Pyroflex Burner

Provides high turndown, low NOx, and flexible air and gas control options.



#### Superflame™ Burner

Offers staged-air combustion for low NOx. For use with process temperatures up to 2500°F.



#### Air-Heating Package Burner

Comes pre-piped and pre-wired for ovens and dryers.



#### Superheat High Temperature Burner

Enhances selective open heating by releasing high heat to precise areas.



#### Durariant® Open Firing Radiant Cup Burner

Comes in many forms including open-firing, semi-furnace, and KVA.



#### Multiport Perforated Refractory (PR) Burner

Combines positive flame geometry with maximum heat release and low turndown.



#### PRS Spear Flame Gas Burner

Produces a piloted spear-like flame and offer wide turndown.



#### Cast-Steel Utility Ribbon Burner

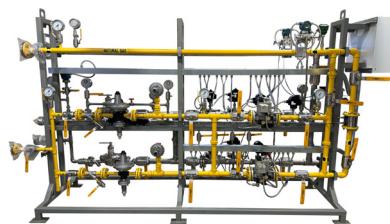
Puts energy where it is most needed in limited space applications.

## Selas Flow Controls and Safety Systems for Glass Applications



#### Oxygen Forehearth Zone Control System

Provides control with fully compensated flow rate measurements.



#### Safety Train: Oxygen, Natural Gas & Oil

Custom designed & engineered to meet required local standards and distribute fuel & oxygen to the burner safely.

For more information, call the Selas Glass Specialists at 1 (800) 523-6500

# For more information, contact the Selas Glass Combustion Specialists.

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