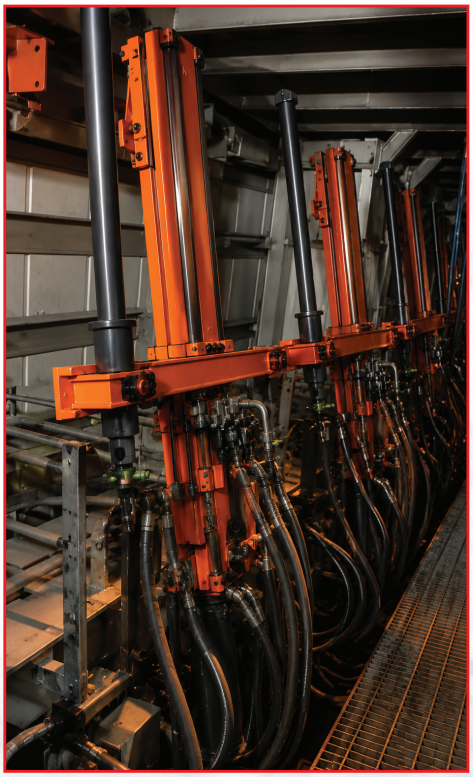
TOROX GAS - Throughport Burner

- Telescopic lance holder and water-cooled lance body
- Flame centered in the port for optimal mixing with combustion air
- High flame thermal efficiency and long service life
- Low NO_x emissions
- Easy installation and simple maintenance



TOROX GAS - Through-port Burner

The TOROX GAS - Throughport Burner has been specifically designed for regenerative glass furnaces, where stable combustion, high temperatures, and continuous production are essential. Its robust construction supports reliable operation, long service life, and consistent performance under demanding furnace conditions. The burner is engineered to position the flame effectively within the port area, improving the mixing of fuel and combustion air.

This supports efficient heat transfer, stable combustion, and improved furnace performance. With a controlled and efficient flame, it helps reduce energy losses and supports reliable furnace operation.

The system can be used in different glass furnace layouts, including side-fired and bottom-fired installations, end-fired furnaces, cross-fired furnaces, and float furnaces. Its practical design allows easy access for inspection, cleaning, maintenance, and replacement, helping reduce downtime and supporting smooth production.

The key advantage of the burner is its movable through-port design. When the burner is not in operation, it can be moved out of the furnace area. This makes it easy to maintain while protecting key components from constant heat exposure, damage, and wear. As a result, the burner supports longer service life and reliable performance over time.

Built for harsh glass furnace environments, the TOROX GAS Through-port Burner combines durable construction, efficient combustion, and simple handling. It is a reliable solution for glass manufacturers looking for stable performance, low maintenance requirements, and long-term operating safety.

The burner nozzle can be custom-engineered to suit the furnace port geometry and operating requirements. Different nozzle configurations, such as conical or multi-hole designs, can be used to optimize gas distribution, mixing, flame shape and heat release.

www.hotwork.ag
contact@hotwork.ag

Why Choose the TOROX GAS - Throughport Burner?

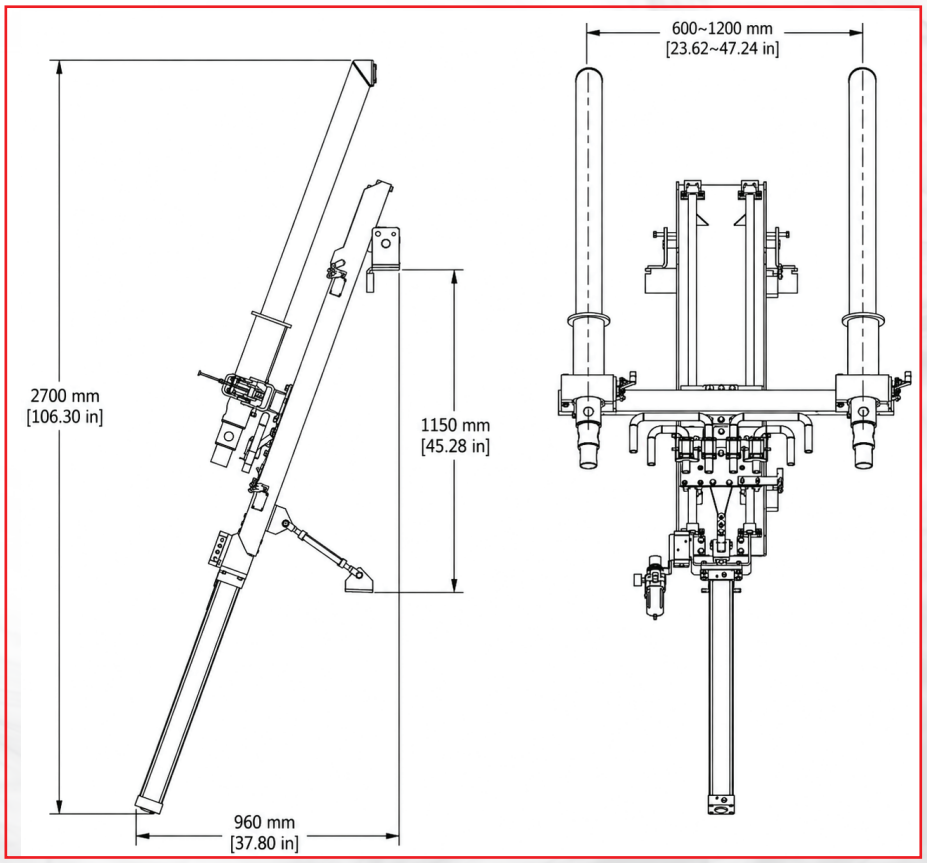
Because it supports efficient furnace operation through improved fuel and combustion air mixing. This helps create a stable flame, which is important for consistent heat distribution, improved melting performance, and reliable glass production.

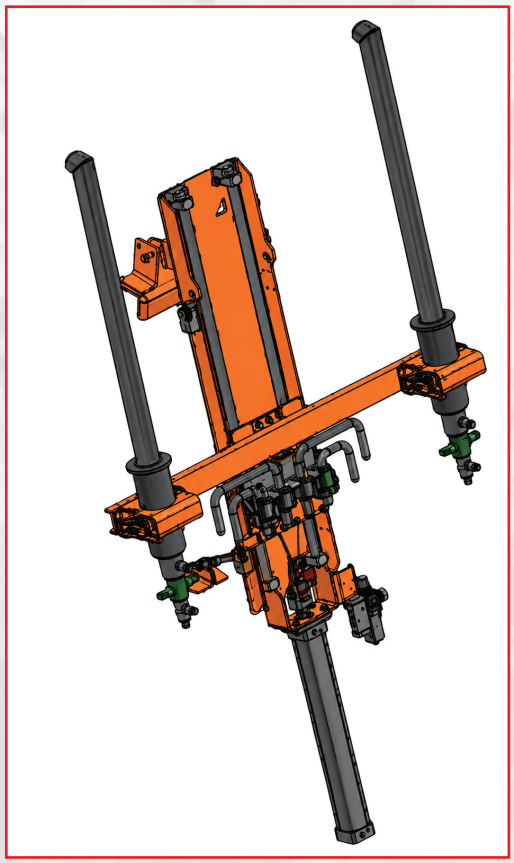
Its automated retractable design simplifies handling during operation and maintenance. The burner is retracted from the furnace when not in use, making inspection, cleaning, and replacement faster and easier. This reduces service effort, limits downtime, and helps protect the burner from unnecessary wear.

Simple Operation and Low Maintenance

The TOROX GAS - Throughport Burner is designed for simple daily operation and low maintenance. Its robust construction helps protect the main components from high temperatures, dirty combustion air, and demanding furnace conditions, reducing the need for frequent service work. Routine checks are straightforward and mainly focus on basic safety and operating conditions. These simple inspections help maintain safe and efficient performance without complex maintenance procedures.

By combining efficient combustion, robust construction, movable handling, and low maintenance requirements, the TOROX GAS - Through-port Burner provides a practical solution for glass manifacturer reduce service efforts, improve operational reliability, reduce downtime, and maintain safe operating conditions. The design makes it a pratical solution.





Burner Specification Model		
Burner Model	**Input Power (MW)**	**Natural gas Nm³/h**
RF120G9000	5.0-9.0	500-900

Hotwork INTERNATIONAL

A GLOBAL PRESENCE. BUILT ON LOCAL EXPERTISE

Head Office
Romanshornerstrasse 123
9322 Egnach, Switzerland

contact@hotwork.ag
www.hotwork.ag
+41 71 649 20 90

5 CONTINENTS | 25 LOCATIONS | 600+ EXPERTS

Delivering Tailored Solutions and Services 24/7/365