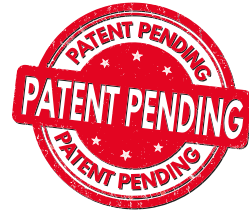


**oerlikon**  
hrsflow

# GLOW HRS

No halos. Even with direct injection.

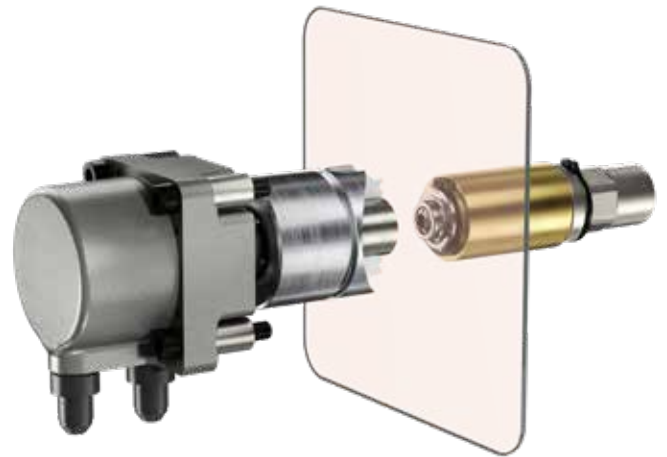


# COMPACT TECHNOLOGY. FLAWLESS SURFACES.

The GLOW HRS solution enables the direct injection of aesthetic parts in amorphous materials, preventing halos. With precise surface temperature control, this cutting-edge technology streamlines post-molding operations, contributing to a more sustainable process.

## Main Benefits

- High-quality parts through direct injection, avoiding halos
- Simplified post-molding operations
- Compact solution
- Easy to install
- Low energy consumption
- No impact on cycle time



## DELIVERING SUPERIOR AUTOMOTIVE PARTS QUALITY

### APPLICATIONS

Perfect for large automotive Class “A” surfaces: from hoods and tailgates to roofs and smart panels.

**Standard technology**



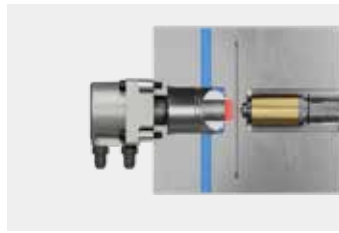
**GLOW HRS solution**



# HOW GLOW HRS WORKS

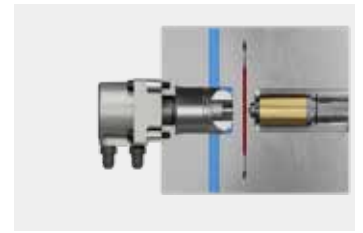
## 1. PRE-HEATING.

GLOW HRS preheats the area opposite the gate to the optimal temperature.



## 2. FILLING.

Injection begins; GLOW HRS is retracted, and mold heating is stopped.



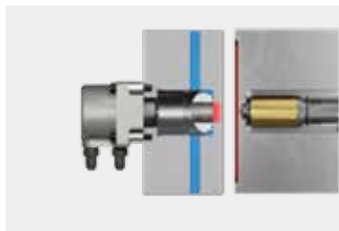
## 3. HOLDING & COOLING.

GLOW HRS remains retracted while the part is packed and cooled.



## 4. MOLD OPENING & EJECTION.

In reverse molding, GLOW HRS pre-heats the area opposite the gate as the mold opens. The part is ejected.



## 5. MOLD CLOSING.

GLOW HRS continues heating the zone in front of the gate as the mold closes, ready for the next shot.



## >> CUSTOMER SUPPORT



Try your most challenging polymers in **our Test Lab** and experience GLOW HRS technology!

Our team provides you with complete support, from the rheological analysis and design phase to try-out and maintenance.

For special applications, we can define the optimal system configuration and predict part quality through advanced hot runner systems available in our Test Lab.

Plastic samples entailing weight, thickness, geometry and exact material grade can be produced to carry out preliminary verifications.

### TEST – LAB EQUIPMENT AT YOUR DISPOSAL

- **Prototype tools** available to try your target polymers
- **Full range of nozzles** and flow types based on your specific application
- **Injection Molding Machines** from 170 to 1100 tons

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