glass global
THE GLASS COMMUNITY

Contact

Company	
Name	
Position	
Email	
Phone	
Country	

Melting Furnace

Furnace age	
Melting area	m²
Furnace/Oven Pressure	Pa
Glass Depth	mm
Type of furnace	~ Regenerative End Port ~ Regenerative Side Port ~ Recuperative End fired ~ All Oxy Fuel Furnace (AOF)
Furnace designer	~ SORG ~ Horn ~ Teichmann ~ Wagenbauer ~ Teco ~ Stein-Heurtey ~ Grob ~ Heye
Other designer	

Production

Glass production, max.	t/d
Glass production, avrg.	t/d
Cullet ratio	%
Spec. energy consumption, incl. Electricity (Booster)	kcal/kg Glass
Electricity (Booster)	kWh/d
Type of glass	~ Alkali Silicate Glass ~ Lead Glass ~ Borate- and Borosilicate Glass ~ Cron- and Flint Glass ~ Laboratory
Glass color	
Type of product	

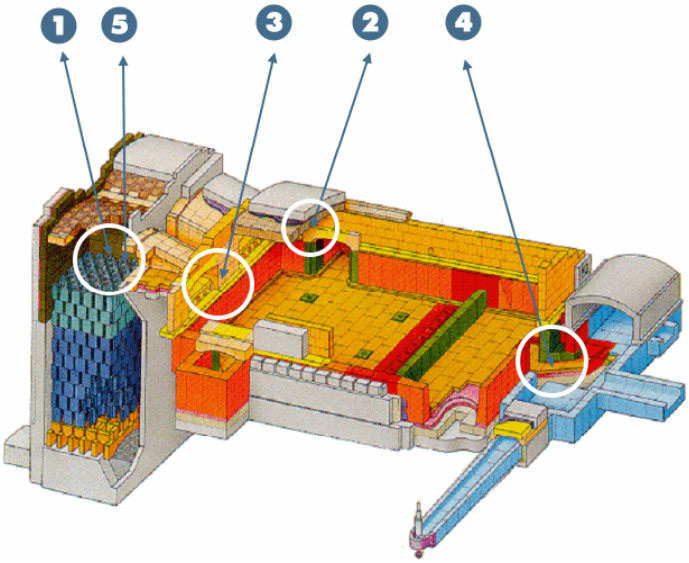
Combustion

Exhaust gas temperature	u	°C
Max. crown temperature	v	°C
Combustion air preheating temperature	w	°C
Glass temperature at furnace exit	x	°C
O_2 content at furnace exit	y	%
Oil temperature (when using oil as fuel)		°C
Lambda		
Type of fuel		~ Gas ~ Oil ~ Gas & Oil Mix ~ Solid fuels

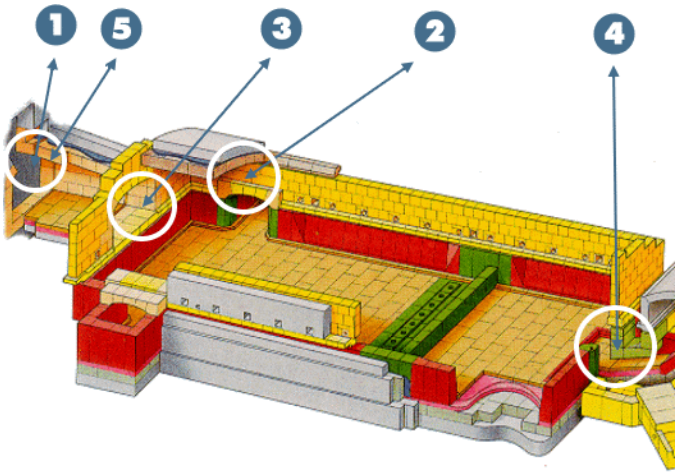
Fuel cost	
Caloric value	
Fuel consumption	
Bubbling	~ Yes ~ No
Batch / Cullet Preheating	~ Yes ~ No
If Yes, Temperature	°C
Oxy-Fuel Boosting	~ Yes ~ No
If Yes, Oxygen Supplier	
If Yes, Oxygen volumes	Nm^3/d
	(please specify local currency)

Additional Questions

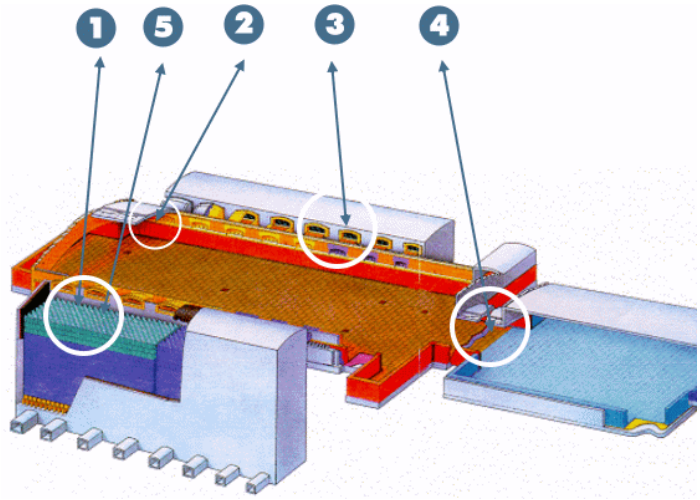
Are you interested to optimise the glass melting and combustion to save energy and money finally?	~ Yes	~ No
Are you interested (do you need) to reduce your emissions (and costs respectively)?	~ Yes	~ No
Do you need additional production capacity?	~ Yes	~ No
If yes: do you need/want assistance regarding the various options (OFB, E Booster etc.)?	~ Yes	~ No
Are you planning to build a new furnace?	~ Yes	~ No
If yes: do you want assistance regarding the cost optimised and best suitable furnace (rec./reg. air-fuel, oxy-fuel) and also furnace designer?	~ Yes	~ No
Do you have foam problems (AOF) ?	~ Yes	~ No
Are you interested to optimise the batch composition to reduce raw materials costs (without changing the glass analysis and properties)?	~ Yes	~ No
Expected total campaign before first shut down repair.		



End Port (regenerative)



End Port (recuperative)



Side Port (regenerative)

1. Exhaust gas temperature, °C
2. Max. crown temperature, °C
3. Combustion air preheating temperature, °C
4. Glass temperature at furnace exit, °C
5. O_2 content at furnace exit, %