



TEPLOTECHNA-PRIMA, s.r.o.[®]

FURNACES

Czech tradition with sustainable development

We are looking
for

**ECOLOGY
EMISSION
CONSUMPTION
99,9% K-FACTOR**



WE ARE CERTIFIED

- ISO 9001
- ISO 14001
- ISO 18001

OUR CUSTOMERS

- KNAUF INSULATION
- OWENS ILLINOIS
- VETROPACK
- SAINT GOBAIN
- AGC
- EKTRAN, OAO
- CRYSTALEX
- RONA
- OWENS CORNING
- MOSER

Best available technology (BAT)
which meets all enviromental
and emission standards



2497/2017



643/2017



401/2017



RANGE OF OPERATION

- **Glass-melting furnaces**
- Specialised glass furnaces
- Industrial furnaces
- **Working ends**
- **Forehearths**
- Repairs and restorations of refractory-technical furnace linings
- **Steel constructions**
- Insulation work
- Steel chimneys/stacks
- Thermal imager
- Advisory and consulting service
- Measurement and control system
- Media distribution
- **Service activities**
- **Hot works**
- Machinery
- Technical support

Teplotechna – Prima s.r.o. is a company with long history in the glass, metallurgy and ceramic industry branches. Company provides engineering and project execution services since 1951. As every sustainable business that persists two centuries and few generations of engineers, we must always focus on quick reaction, perfect service, experienced employees and manufacturing quality. We can provide two main strengths – manufacturing and installation services and own design and engineering department. Delivering turnkey projects from batch plant to packing lines including civil constructions and auxiliary equipment, our team earned a wide range of knowledge and database of reliable suppliers.

Our manufacturing and service department provides wide range of hot repairs, refractory demolition and installation, steel construction manufacturing and installation, wind cooling installation and many others.

Design and engineering department has a complex knowledge base. Every project of furnace that entered our door from troubleshooting through the design changes to complete design and manufacturing documentation has been labelled and stored in our database. Using these files and case studies, we are able to provide complex advisory and support to biggest players on the market. We are an active member of Glass and Ceramic Industry Association of Czech Republic. One of our long term tasks is making our industry more attractive for young technicians and engineers. We bet on cooperation with universities, communicating on scholarship programs and internships.

MELTING FURNACE AND FOREHEARTH

END FIRED FURNACE

- Low energy consumption
- Low emission values
- Flexibility during production changes
- High melting area load
- Long life time



The regenerative end fired furnace is the type of furnace mainly used for container glass, table ware, pharmaceutical glass, sheet glass and sodium-silicate glass. It`s melting range is typically from 30 – 500 TPD.

CROSS FIRED FURNACE

- Low energy consumption
- Low emission values
- Flexibility during production changes
- High melting area load
- Long life time
- High capacity furnace up to 700 TPD



The cross fired furnace is the type of furnace mostly used for container glass, table ware, pharmaceutical glass, sheet glass, tubing and sodium-silicate glass. It`s melting range is typically from 160 – 700 TPD.

POT FURNACE

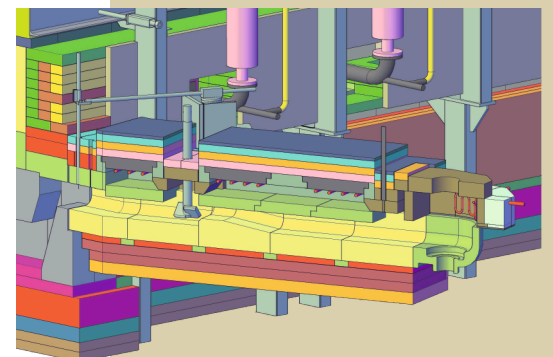
- Low energy consumption
- Low emission values
- Long life time
- 1-10 pots



The pot furnace is the type of furnace mostly used for table ware and art glass. Mainly used for melting lead crystal glass.

WORKING END AND FOREHEARTH

- Low energy consumption
- Low emission values
- Long life time
- Size 16" and 26"
- Variable length of heating and cooling zones
- Electric or gas heating
- K-factor from 97%
- Direct and indirect cooling
- Static & dynamic calculations of support steel constr. included



Forehearths allow optional items like system of stirrers, air/water cooling dumpers, conti-drain and side heating.

OUR CUSTOMERS



SIGNIFICANT CUSTOMERS

KNAUF INSULATION • OWENS ILLINOIS • VETROPACK • SAINT GOBAIN • AGC • EKRAN OAO •
CRYSTALEX • UNIFRAX • AREA IMPIANTI • KAVALIER GLASS • GLASS SERVICE • SCHOTT AG •
OWENS CORNING • KOVOHUTY KROMPACHY • STÖLZLE-UNION • VODNÍ SKLO • MOSER •
ROKITNOVSKIJ STEKOLNYJ ZAVOD • OPITNIJ STEKOLNYJ ZAVOD • AKTIS STEKOLNYJ ZAVOD •
ČESKÝ PORCELÁN • UNION LESNÍ BRÁNA • VITRABLOK • SKLÁRNY MORAVIA • MĚŘ POVRLY •
SUEZ VYUŽITÍ ZDROJŮ • KS KOLBENSCHMIDT • SANDVIK • MPN MASCHINENBAU • RONA •



EUROPEAN UNION
European Regional Development Fund
OP Enterprise and Innovations
for Competitiveness



TEPLOTECHNA-PRIMA, s.r.o.[®]

Teplotechna-Prima, s.r.o.
J.K. Tyla 2859/1
Teplice 415 01
Czech Republic

tel.: (+420) 417 816 010
e-mail: ttp@teplotechna-prima.com
www.teplotechna-prima.com