Address	**Vesta GmbH** Marienstraße 7 46284 Dorsten
Country	Germany

PRODUCTS OR MACHINERY

Services to the Glass Industry - VESTA heat performance - Temperature management 'Made in Germany'

Our technicians are highly skilled and experienced specialists in tempering float baths, container and pot furnaces, as well as furnaces used in manufacturing special custom articles and glass fibre products.
Our record so far:

Cooling down, Heat-up and Cullet filling on over 70 glass furnaces,
Glass tapping and draining on over 70 glass furnaces,
Regenerator cleaning on over 40 regenerator chambers,
Installing and optimizing Low NOx burner lances (Holger Köditz since the mid-1990s)
Direct communication with our clients is of the utmost importance for us. To simplify decision-making, minimize risks and find solutions speedily, we can be contacted at any time.
Draining of glass furnaces
In cases of glass bath or trough repairs, VESTA specialists drain them in a controlled way, using special drain channels and, if required, water recycling systems and scrapers as well as cooling basins.

Cooling and heating of glass furnaces

Specially designed and regularly optimized burner technology is used to cool and reheat glass baths/troughs. We monitor these processes with our perfected control and safety systems.

Control of regenerator and furnace steel anchorage
Our most experienced technicians – supported by engineers J. Meinig and H. Köditz and, in the case of float baths, by other specialists (metalworkers in particular) – monitor anchorage expansion and contraction and adapt it in need. Should the anchorage material or structure show any unusual behaviour, we are able to deal with any problems immediately.

Cullet filling
Prior to operating a new glass bath for the first time, or after repairing an old one, we (re)fill it with cullet, up to a certain level, using a blower and a wet-cullet dosing feeder, or else a vibrating channel to sift out ultrafine particles and dust to reduce damage to the combustion chamber walls to a minimum and safeguard faultless glass products.

Temperature hold without production stoppage through oxy firing
This procedure makes it possible to continue production at a reduced rate of approx. 70–80% during chamber repairs.

Installation of bubblers and electrodes
VESTA naturally also carries out drilling operations, under normal production, on baths and furnace crowns to install additional thermocouples, bubblers or electrodes.

Regenerator cleaning
The process of thermally cleaning of regenerator chambers entails melting off sulphate residues from chamber wicket walls using burners so as to restore the free flow of gas and combustion air into and out of the chambers.

Furnace equipment
Consulting and design services to optimize clients' combustion systems

Low NOx burner technique on glass furnaces

gas-fired furnaces
oil-fired furnaces
mixed fuel-fired furnaces
oxygen-fired furnaces

Spare parts for furnaces

VESTA burner systems
burner systems by other manufacturers (if/as agreed)
burner systems by other manufacturers (site measures permitting)

Gauge systems for continuous measuring of waste gas emissions for melting furnaces

Fuel supply systems

gas stations
domestic fuel stations

Measuring and control systems for glass furnaces

Company Profile of **Vesta GmbH**