



14th March 2012

Offer

**Trolley Kiln
for Heat Treatment of Glass**

Model: VSR 1.1,4.1-8



Image showing manually operated trolley

As per verbal inquiry :

Trolley kiln for heat treatment of glass, internal height 1000 mm

max. working temperature 750 °C,

Manually operated door, manually operated trolley,

Glass sizes: 1050 x 650 x 3 mm (sheet glass positioned on shelves, multiple shelves stacked)

Glas weight up to 200 kg + kiln furniture approx. 300 kg

Technical Specification – Kiln Model VSR 1.1.4.1-8:

- Working Temperature:	up to 750 °C
- Internal kiln dimensions:	W. 1050, L. 1450, H. 1000 mm
- External kiln dimensions:	W. 1600 + 300 Control Panel, L. 2100, H. 2000 mm
- Electrical supply system:	3+N+PE, 400/230V, TN-S
- Power:	60 kW (or as required, depending on heating requirement)
- Heat distribution:	max. $\pm 5^{\circ}\text{C}$
- Heating elements:	KANTHAL A1 on ceramic tubes
- Placement of heating elements:	all kiln walls (excl. kiln roof) and trolley
- Number of heating zones:	3 (horizontal distribution)
- Thermocouple:	3 x K
- Switch:	semiconductor relays
- Insulation:	multilayer – light fire bricks / BIO fibre insulation/sheets
- Kiln frame:	welded steel profile
- Surface treatment:	Powdercoating, heat treated
- Colour:	as per requirement
- Outer cladding:	stainless steel sheet
- Controller:	Bentrop TC M2
- Ventilation & spontaneous cooling:	Through ventilation holes and flaps
• Flap controlling:	directly through controller – ON/OFF
• Air induction:	through lower part of side walls
• Air discharge:	through kiln roof
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- Forced air circulation:	no
- Type of kiln atmosphere:	oxydizing
- Door opening:	manually, hinged from the side
- Door safety switch:	yes
- Placement of control panel:	left or right side (as per customer request)
- Placement of door opening:	left or right side (as per customer request)
- Kiln furniture:	as per request (<i>not included in price!</i>)
- Trolley operation:	manual gear operation
- Rails for trolley:	Set directly in floor (<i>not included in price!</i>)
- Electrical supply for trolley:	Energo chain (direct power track)
- Space requirement for trolley:	distance of 1000 mm from kiln
- Nominal weight of trolley load:	up to 500 kg
- Safety switch for heating circuit:	yes
- Overheating alarm system:	yes (alarm signal on controller)
	- On special request the kiln can be supplied with a separate alarm unit and alarm thermocouple.
-Conformity	the kiln conforms to EC standards and fulfills all technical requirements to be operated in Switzerland

Kiln Characteristics:

- Simple and user friendly controlling

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- Temperature precision guaranteed throughout the kiln chamber
- Automatic firing cycles
- Reliable door sealing
- Low energy consumption
- Minimal loss of energy (high insulation values)
- Long lasting heating elements
- Simple and non hazardous replacement of heating elements
- Stainless steel cladding
- All materials of highest quality, certified products only
- High efficiency of the heating system due to open radiation (heating elements on ceramic tubes)
- Spontaneous ventilation of the outer wall (low condensation)
- High resistance to corrosion
- Perfect door insulation with long life expectancy
- Adjustable locking pressure of door hinges
- Perfect sealing of the trolley when installed in kiln

Terms:

Delivery Time: 3 months on receipt of firm order & receipt of down payment
Guarantee: 24 months, excl. heating elements
Service: supply of spare parts

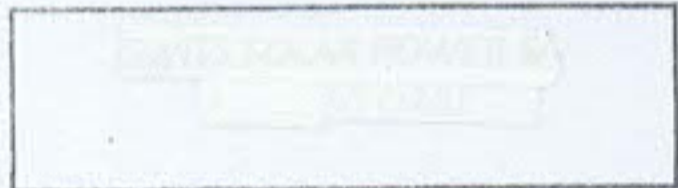
Price	Kiln as per above specification	CHF 50 970.--
	Stainless Steel Kiln Rack	980.--
	Cooling System incl. Siemens PLC	CHF 13 069.--
	Total	CHF 65 019.--

Included in Price: Complete kiln as per above specification
 Technical documentation and instructions
 CE – declaration of conformity

Not included: shipping cost & VAT
 Ceramic kiln shelf Eastvent 122 x 76 cm CHF 295.--

Payment: 40% with order
 60% on notification of readiness

Validity: 3 months



CREATIVE GLASS MHS AG
 Harry Sowersby

*We accept your quotation
 and order the equipment
 under the conditions
 mentioned here.*

Obse, 15.03.2012

AG