



EltaTech



Generators



Induction heaters



Melting furnances



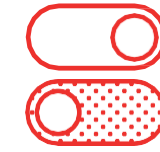
Inductors

Induction

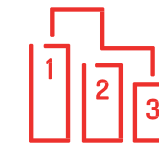
Heaters



ADVANTAGES DUE TO NEW INVERTER CONTROL SYSTEM



One uniform control component for all frequency and power ranges



Parametrization via software



Ethernet, ProfiNet (optional: W-Lan) interface available



Remote maintenance via Internet



Changing operating parameters via remote access



Error memory with listing of an error history



Actual value memory with integrated line recorder

Power supply Frequency Converters

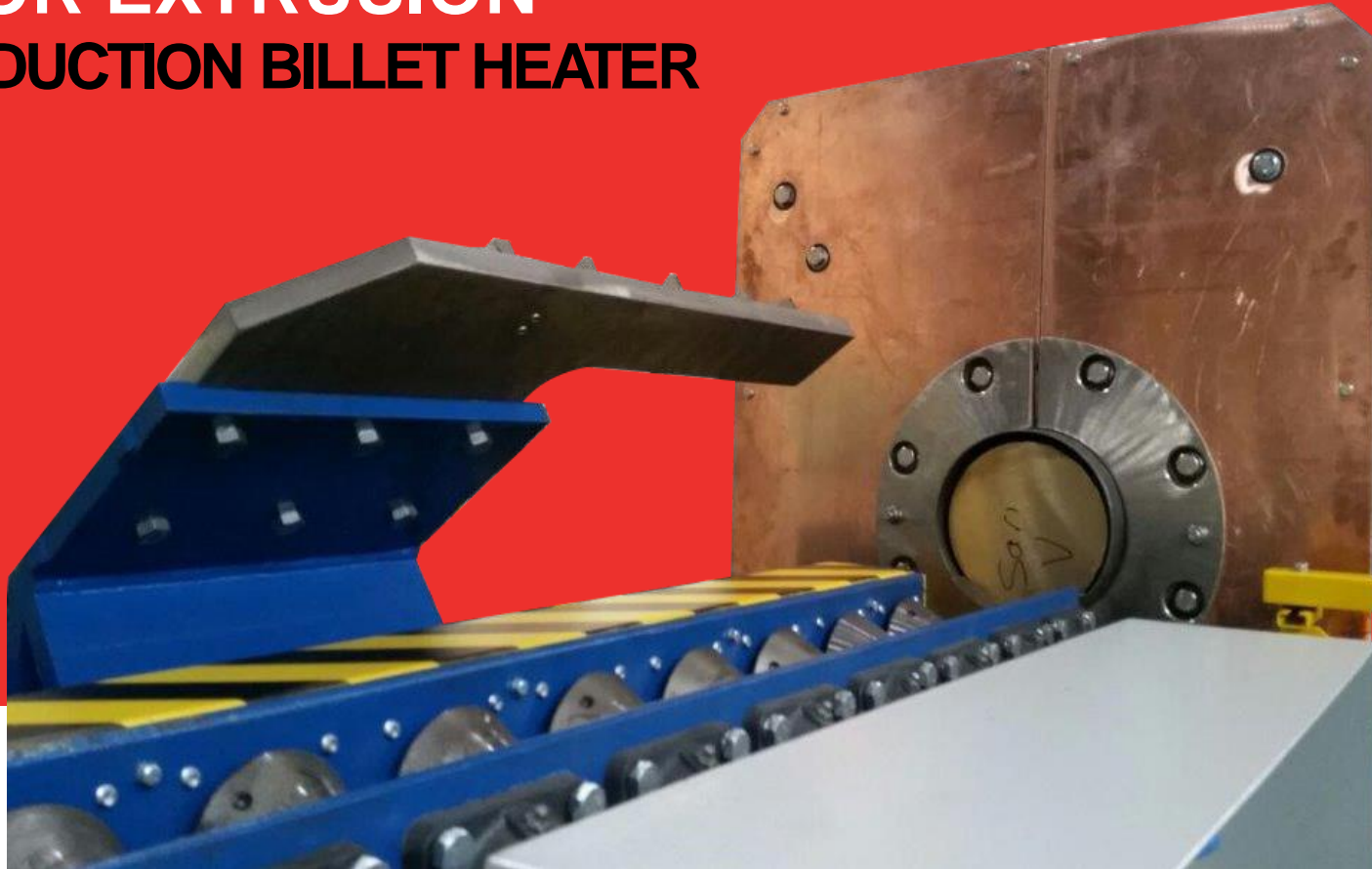
- IGBT inverter technology
- Digital control unit
- Direct and resonant circuit converter
- Power range from 5 kW to 5 MW
- Improved energy efficiency
- Frequency range from 20 Hz to 500 kHz
- Integrated Siemens PLC with HMI Panel
- Single and multi energy output
- Remote service via Internet
- Integrated recolling unit
- Water station
- Service and upgrades
- Retrofit



ADVANTAGES of digital IGBT converter technology

- **High energy efficiency**
Modern transistor technology reduces energy losses
- **Reduced harmonics and improved electromagnetic compatibility**
due to diode rectifier and line filter
- **No reactive current compensation at mains**
Improved power factor $\cos \varphi$ about 96%
- **Digital converter control unit**
One control unit for all converter types reduces amount of spare parts
- **Remote access**
Fast support via internet
- **Integration into existing systems**
easy replacement or modernization of old systems
- **Improved operation conditions**
Computer aided calculation of optimal process conditions
- **Customized production**
designed for individual local conditions and customer needs

FOR EXTRUSION INDUCTION BILLET HEATER



billetXpress New billet heating technology

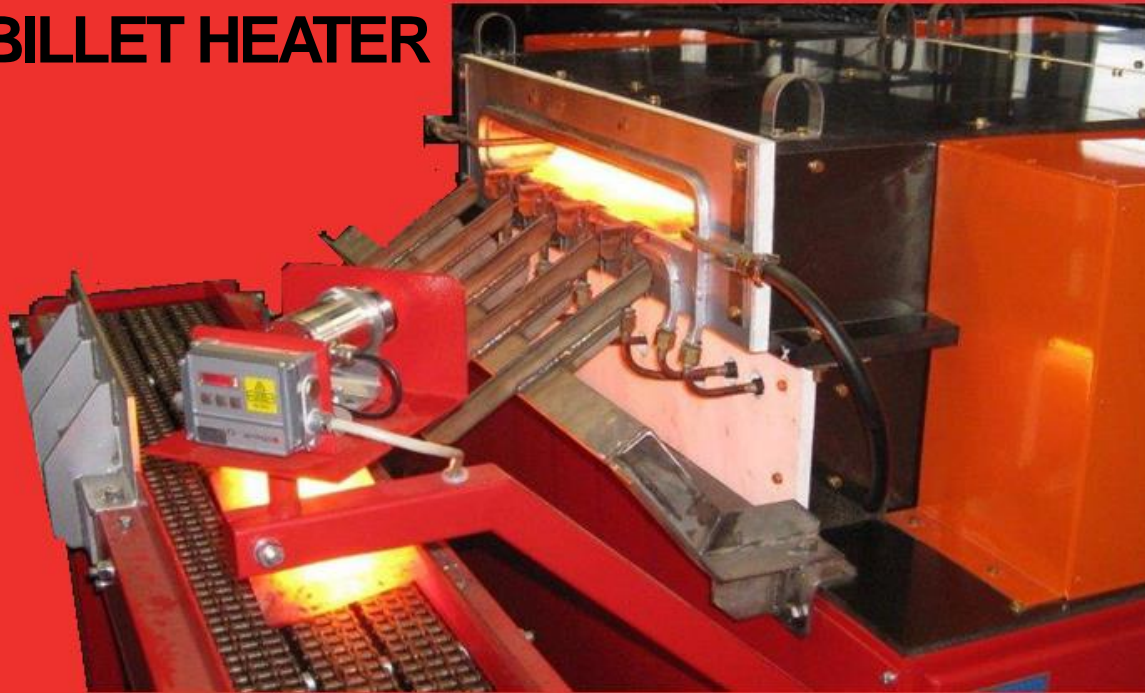
- Advanced direct converter power supply
- Faster heating rate due to extended low frequency technology
- Higher energy efficiency
- Frequency digital adjustable in order to get optimal process conditions
- Cost and place savings
No additional cabinets for power factor correction

Technical specification

- Areas of application: Aluminium, Brass, Copper, Steel and their alloys
- Power from 100 kW to several MW
- Operating frequency between 20 Hz and 1 kHz
- Heating capacity up to 20 t/h per production line
- Storage for 200 receipes
- Holding Mode up to 1 hour keeping constant temperature distribution



FOR FORGING INDUCTION BILLET HEATER



billetXpress Compact heating systems for forging

- Modern digital transistor type Converter
- Computer optimized heating parameter
- Higher energy efficiency
- Compact and Modular design provides cost and place savings
- Many features for perfect advanced process control

Technical specification

- Areas of application: Aluminium, Brass, Copper, Steel and their alloys
- Power from 100 kW to several MW
- Operating frequency between 500Hz and 20 kHz
- Heating capacity up to 20 t/h per production line
- Storage for 200 recipes
- Holding Mode up to 1 hour keeping constant temperature distribution





EltaTech Ingenieur- und Simulationsdienstleistungen GmbH
Hardtwaldstr. 1/6 688775 Ketsch, Deutschland

 +49 6202 8598456 Fax: 06202 7664956 @info@eltatech.de



EltaTech Polska Sp.z o.o
ul. Karola Miarki 2F 41-940 Piekary Slaskie

 +48 606 406 038 @m.buksinski@eltatech.de

www.induktive-erwaermung.de