



Forging

Induction heating system for bars Type ESS

www.abpinduction.com

ABP | PEOPLE.
INDUCTION | TECHNOLOGY.
SUCCESS.

Induction heating system for bars Type ESS

The induction heating system ESS is used for the heating of steel bars (ferromagnetic and austenitic qualities) and non-ferrous metals. The bars are conveyed with driven rolls through the induction coils, in which the bars are heated to forging temperature. Conveying speed and heating capacity are infinitely-variably set to the respective production conditions.

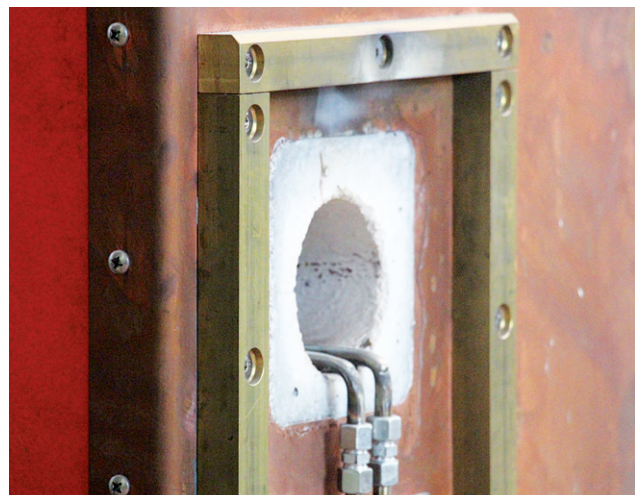
Advantages at a glance

- Control of each zone
- Fully adjustable temperature curves
- Shorter heating lengths due to ABP's proprietary modular design
- IGBT technology
- Low energy consumption
- Creep mode: 10–20 % of nominal throughput
- Performance factor of $\cos-\varphi > 0,95$
- Turnkey solution incl. feeding and extraction



Coil design

- Robust coil construction
- Full concrete body
- High efficiency coil copper profiles
- Low energy consumption

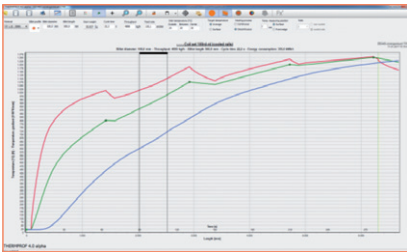


THERMPROF® Simulation-Software

The THERMPROF® thermal profile calculator is used to optimize heating profiles.

Various possibilities for optimization:

- Reduction in scale
- Optimizing energy consumption
- Optimizing axial temperature uniformity



Temperature curves THERMPROF®

IGBT-Technology

- Modular design – extendable
- High availability
- Plug & Play module
- High efficiency
- Power-factor $\cos\varphi > 0,95$



Prodapt FX² - heating processor

- Creep mode: 10–20 % of nominal throughput
- Control of each zone
- Quick cold start capabilities
- Fully adjustable temperature curves



PRODAPT® heating processor

Your Contacts

GERMANY

ABP Induction Systems GmbH
Kanalstrasse 25
44147 Dortmund
Phone: +49 (0) 231 - 997 - 0
Fax: +49 (0) 231 - 997 - 2293

RUSSIA

ABP Induction Systems GmbH
Branch Office
Ryazanski prospect, 75/4
109456 Moscow
Phone: +7 (495) 620 57 26
Fax: +7 (495) 620 57 26

INDIA

ABP Induction Systems Pvt. Ltd.
E-120/Unit-2, Manjusar GIDC Industrial Area
Opp. Du Pont factory.
Savli - 391775, Vadodara
Telefon: +91 2667 264808/809
Telefax: +91 2667 264808/810

CHINA

ABP Induction Systems (Shanghai) Co. Ltd.
No.118, Lane 289 Fulian II Rd.
Baoshan District,
Shanghai 201906
Phone: +86 (0) 21 - 5639 1278
Fax: +86 (0) 21 - 5639 0822

USA

ABP Induction LLC
1460 Livingston Ave.
North Brunswick, NJ 08902
Phone: +1 732 - 932 - 6400
Fax: +1 732 - 828 - 7274

MEXICO

ABP Induction Systems SRL de CV
Priv. La Puerta 2882-4
Parque Ind. La Puerta
Santa Catarina, N.L. 66350
Phone: +52 81 8390 - 2775
Fax: +52 81 8390 - 2774

SOUTH AFRICA

ABP Induction Furnaces (PTY) Ltd.
77 Heidelberg Rd.
City Deep/Johannesburg
Phone: +27 (0) 11 623 1814/17
Fax: +27 (0) 11 623 1809

SWEDEN

ABP Induction AB
Spännarhyttans Ind. område
738 92 Norberg
Phone: +46 223 23135
Fax: +46 223 21429

THAILAND

ABP Induction Ltd.
80/1 Moo 11, Phaholyotin Road
Tambol Klong Nueng
Amphur Klong Luang
Pathumthanee 12120
Phone: +66 25 29 34 57
Fax: +66 25 29 34 84