

# Forging

Induction heating Typ EBS

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INDUCTION | TECHNOLOGY.  
SUCCESS.



# Induction Heating System Type EBS

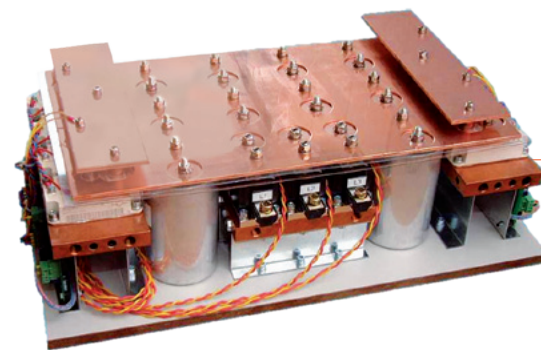
## Coil design

- Robust coil construction
- Full concrete body
- Cooled or non-cooled slide rails
- High efficiency coil copper profiles
- Low energy consumption



## IGBT technology

- Expandable modular design
- No deionized water for the cooling circuit required
- Improved availability through short service times during a breakdown
- Easy assembly and maintenance
- Increased energy efficiency
- Performance factor of  $\cos-\varphi > 0,95$



## Easy maintenance

- Only one Industrial PC with Windows 7
- Easy system backup
- Copy & Paste of heating recipes (via USB or network)

## Prodapt FX<sup>2</sup> - heating processor

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



# Zone Control

## Zone control technology

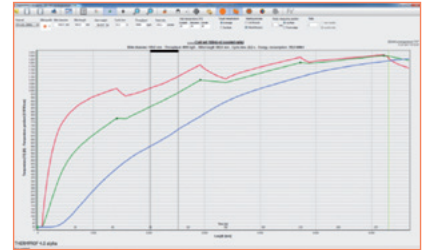
- Uniform temperature profile, even with 20% of the nominal throughput
- Temperature adjustments to suit various grades of steel
- Optimal axial and radial temperature distribution
- No overheating whenever the throughput is altered
- Shorter heating lengths due to ABP's proprietary modular design

## THERMPROF® Simulation Software

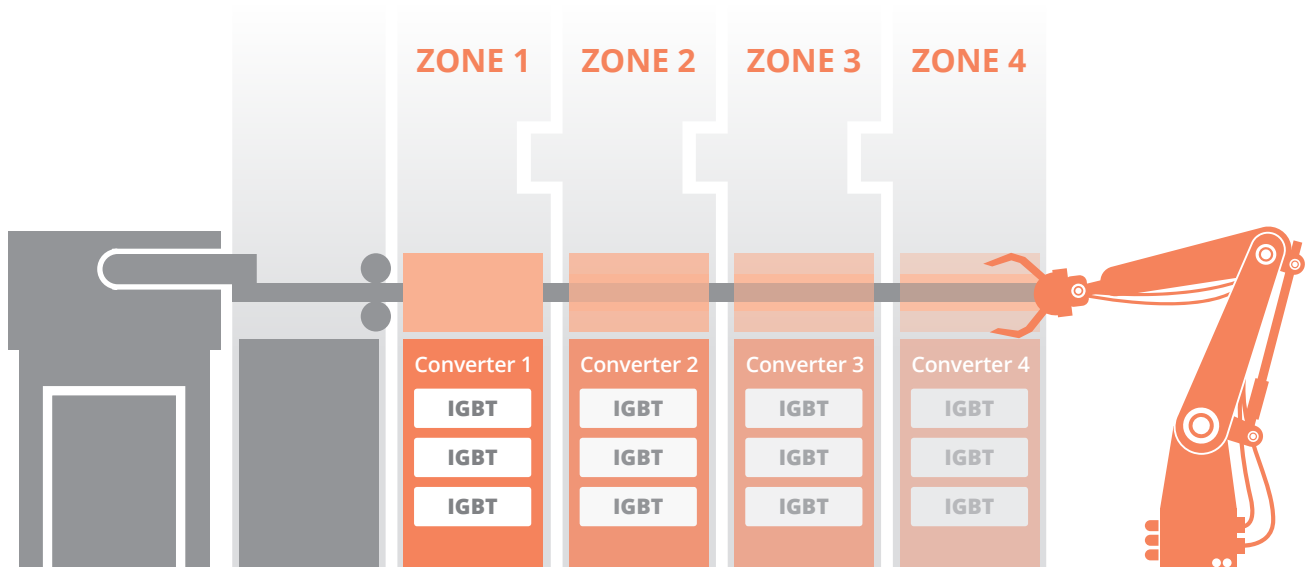
The THERMPROF® thermal profile calculator is used to optimize heating profiles.

### Various possibilities for optimization:

- Reduction in scale
- Optimizing energy consumption
- Optimizing axial temperature uniformity
- Reduction of billet adhesion



**ZONECONTROL**  
Induction Heating Technology





# Type EBS



## 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

# Your Contacts

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