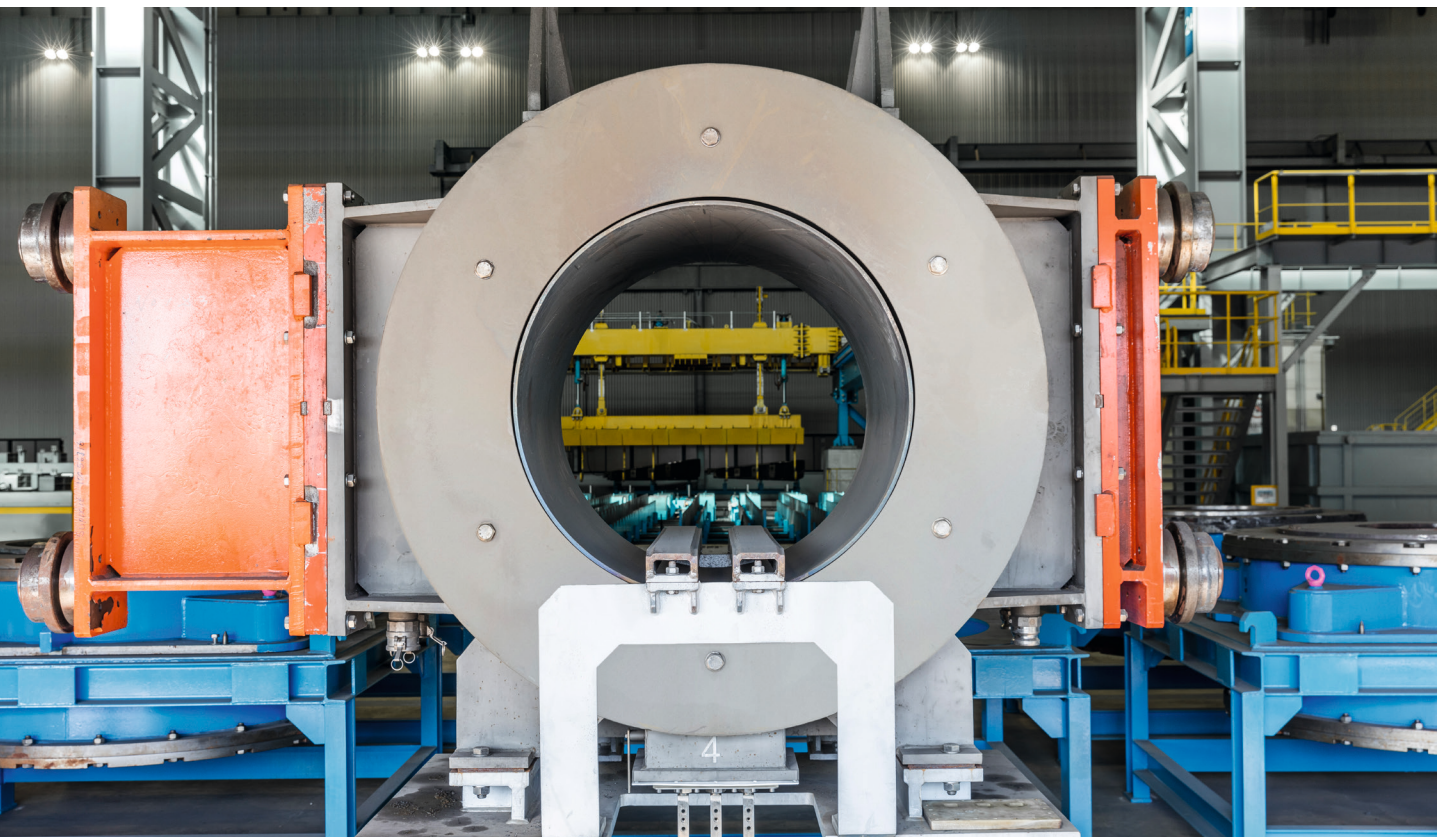


CONSTIR-EMS ReNEW

The cost-effective way to extend EMS service life



SMS CONCAST AG

Toedistrasse 9
8027 Zurich, Switzerland

+41 44 204 65 11
concast.info@sms-group.com

www.sms-concast.ch

CONSTIR-EMS ReNEW

The cost-effective way to extend EMS service life

As robust and efficient as they may be, every electromagnetic stirrer comes to the end of its service life. But there is no need to throw this costly asset away. Instead, let SMS Concast's CONSTIR-EMS ReNEW repair service revamp your stirrer for the same or even better performance than before — and for as little as roughly a fourth of the cost of a new stirrer, depending on its size and condition.

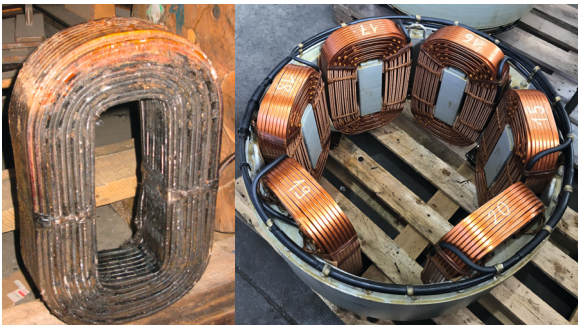
Application

SMS Concast has installed more than a thousand EMS units over the years. Our comprehensive stirrer know-how and our vast experience in continuous casting ensure that we can provide you with the best EMS repair services. Almost any SMS Concast electromagnetic stirrer can benefit from CONSTIR-EMS ReNEW and will return to service either with its original specifications or as augmented according to your needs.

CONSTIR-EMS ReNEW provides the following services, according to the condition of your EMS and your production needs today:

- Electrical testing and evaluation
- Mechanical repair of physical damage
- Preventive epoxy re-impregnation
- Full rewinding and repair

We recommend upgrading your stirrers with our new compact frequency converters for best frequency control. And our Modulated Wave Stirring solution can help you cut the electricity consumption by up to 30%.



Worn out EMS coil (left) and new coils mounted on the stirrer core in a full rewind and repair service (right)

CONSTIR-EMS ReNEW Services

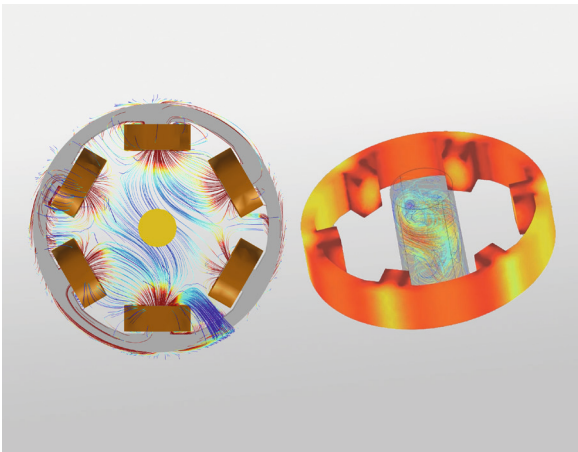
SMS Concast picks up your old stirrers, repairs them and returns them to you, renewed or upgraded, according to your requirements.

Additionally, you can get consultations on operations and maintenance of the equipment, as well as safety aspects.

For best results

Are you planning to cast new sections or have you just changed your mold tubes? SMS Concast simulation models can optimize EMS frequencies for improved performance. Please contact us for further information.

YOUR ADVANTAGES	
<ul style="list-style-type: none">• Extended service life, with the same or better performance, before you need a full replacement• Rapid turnaround –Your stirrer is back in service about twice as fast as ordering a new unit, and at a fraction of the cost• In-depth casting advice – Benefit from our comprehensive metallurgical and operational casting know-how	
TECHNICAL DATA	
Expected service life	Equal to new (if fully rewound)
Number of possible repairs	Unlimited (if fully rewound)



SMS Concast stirrer simulations for optimal frequency settings