

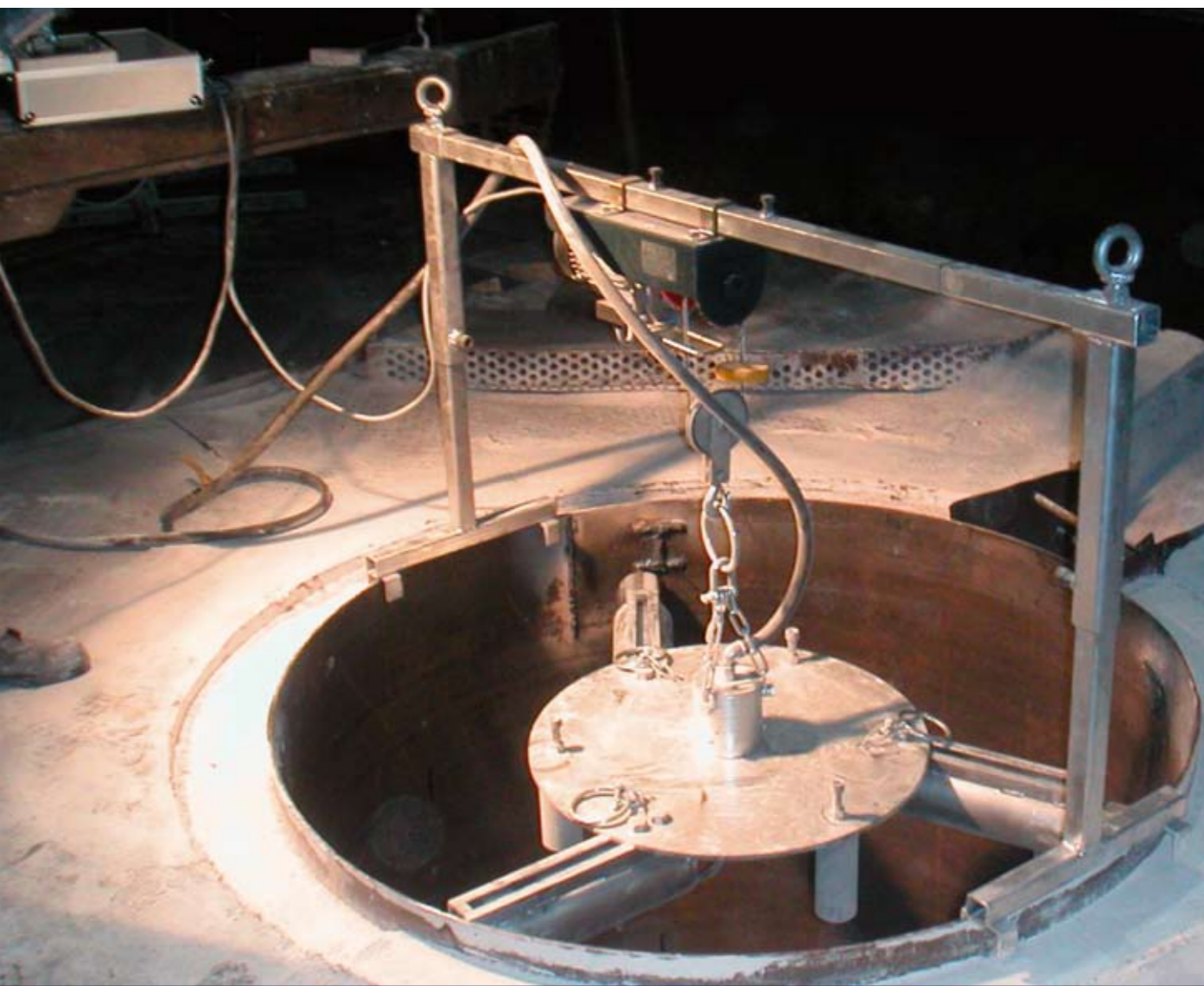
Service for the foundry industry

The complete program:

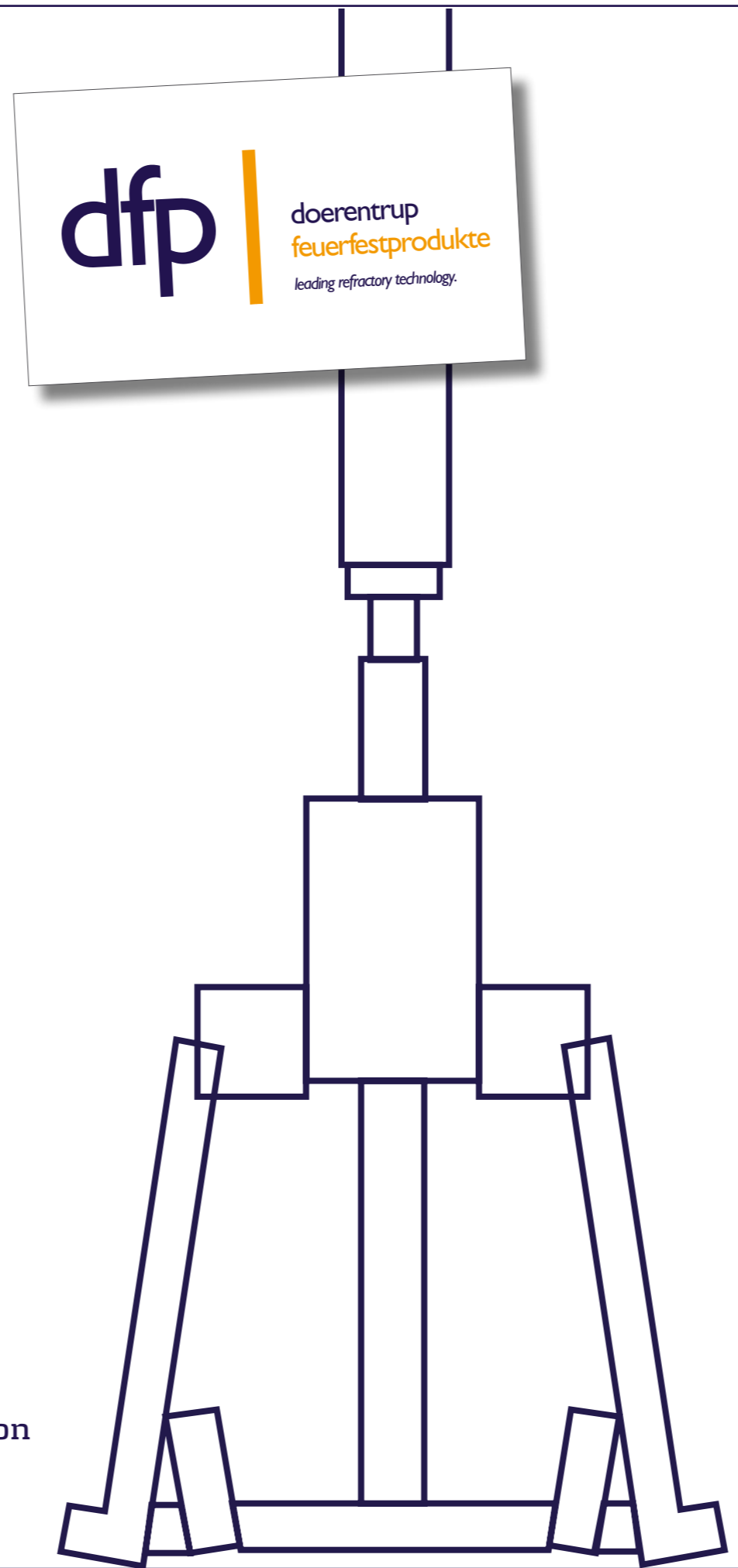
- monolith refractory products
- prefabricated shapes
- insulation material
- lining tools
- complete services (installation, start-ups)

for the lining of all furnaces in the

- iron foundry
- steel foundry
- non-ferrous metal foundry



Lining tools for coreless induction furnaces, ladles and other aggregates



dfp offers a big selection of prefabricated shapes. We produce customized products on request. Please contact us!

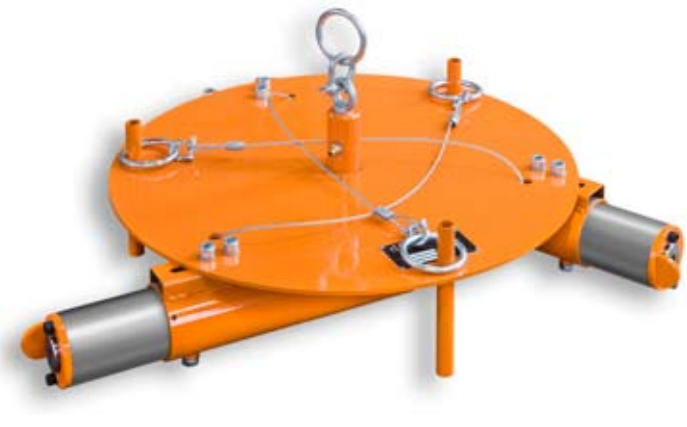
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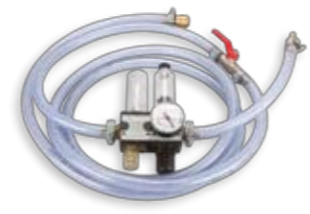
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3-arm automatic vibrator



2-arm automatic vibrator



Hose package with automatic maintenance unit



Bottom plate vibrator DBRP Ø 1500 mm with reinforcement cross, DBRP Ø 600 mm and DBRP Ø 300 mm



Bottom plate vibrator:

The installation of the bottom can be done by a bottom plate vibrator, which is equipped with a pneumatic vibrator. For different furnace sizes we offer a set, consists of 2 - 4 plates, pneumatic vibrators and fastener for the vibrator.

Vibrator for side wall:

The vibrators use the tapping effect and have arms each provided with an adjustable vibrating unit. Depending on the furnace size, different tools are available: 2-arm or 3-arm vibrators.

The tools are driven by compressed air and suitable for connection to any compressed air line having at least 6 bar.

- automatic maintenance unit for oil > longer life time
- measuring unit for air pressure > guarantee for safe compaction
- improved material of all components > longer life time
- improved sealing of the vibration units > increased power
- easy handling
- quality-secured production > model number and name-plate

The function principle is according to the valid DPF working instructions. Due to further developments there are modifications of the design of our lining tools possible.

Compressed air vibrator:

This device is operated by a ball air vibrator with high frequency and can be used with a fork and with a base plate. The vibrator is operated by hand and is especially suitable for ramming dry refractories which must be filled in layers of 100-120 mm.

Backup mix vibrator with piston vibrator:

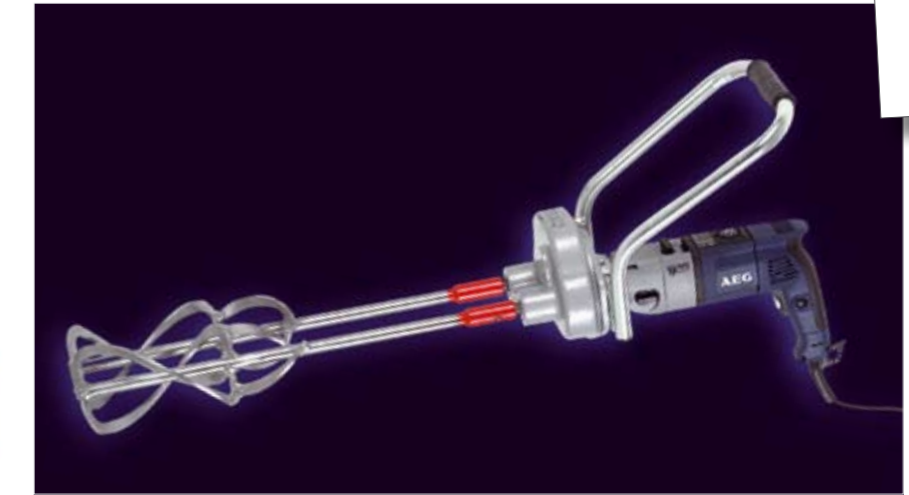
This tool is to use for the vibrating of the hole mix and the backup mix. Furthermore it can be used for prejolting the cone and side wall area in the case of a conventional lining.

Crucible lifting device:

This tool can be used for the installation and break out of the crucible, if there is not a push out system available.

Electric immersion vibrator:

The electric immersion vibrator, too, is a hand-operated vibrator. The vibration effect is transmitted onto a rectangular base plate via a tube (max. 1000 mm long). This tool is especially suitable for small furnaces and for ramming neutral and basic dry linings. Here, the filled layers must not be higher than 60 mm.



Hand compulsion mixer B7

Hand compulsion mixer B7:

For mixing small quantities



Compulsion mixer for castables

Compulsion mixer for concretes:

The mixer is available in different sizes: 100 l / 200 l / 300 l mixing capacity. Furthermore the mixer can be delivered additional with a whirl.



Quality-secured production with name-plate. All tools are working with min. 6 bar air pressure.

Automatic vibrator with lifting device :

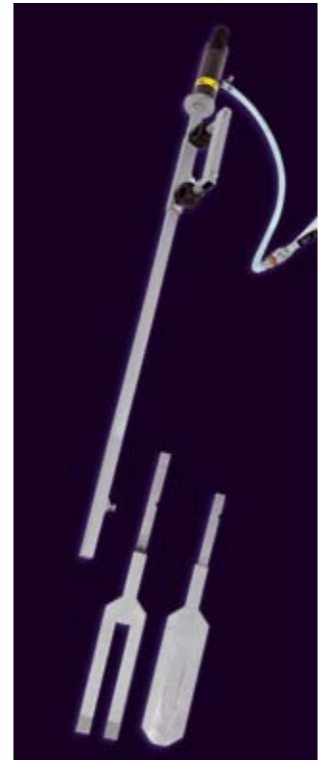
- Advantages:
- no crane / crane operator required
 - automatic installation with adjustment for height and vibrating time
 - the installation conditions are stable
 - safe and fast installation



Automatic vibrator with lifting device



Compressed air vibrator



Backup mix vibrator



Crucible lifting device



Electric immersion vibrator



Ramming tool ST 1 / ST 2



Immersion bottle vibrator

Ramming tool for wet ramming material / ramming foot:
Deliveryable are different sizes: ST 1 / ST 2 in short or extended completion, alternatively with silencer

Immersion bottle vibrator:
Following diameter are available: 35 mm / 55 mm
The immersion vibrator ist working with 6 bar air pressure

Gunning machine for concretes:
Another efficient method for installation of hydraulic bonded materials is the dry gunning technique.



Gunning machine