

## ... for simple installation of the system.

Small systems (as shown) are supplied ready for use and only need to be anchored in the floor.

Larger systems are, depending on the local conditions, installed by prior arrangement.

The system size depends on the performance requirements of the foundry.

-> plug into the socket

-> connect filter

-> set working parameters

-> switch on.

- The sand supply into the Reibregenerator can be done both manually and automatically.
- Reclaimed sand can be conveyed into a silo or into a wheelbarrow.
- The parameters are set on the operating conditions (degree of pollution of the sand and binder system).
- The duration of the cleaning is variably adjustable.
- Extremely low maintenance - only about 2-3 % of the investment costs per year.
- Maintenance-friendly design of the entire system.

A research facility is located at the University of Duisburg-Essen.  
There is a regeneration of own sand on a trial basis possible.

Ongoing systems can be visited by appointment.

## Calculation examples for amortization of Reibregenerator:

### MRR 1-40

Batch size: 40 kg

Batch time: 5 - 14 min

4 - 10 batches / h → 160 - 400 kg regrind / h

10 working hours / d → 1,6 - 4 t regrind / d

250 working days / a → **400 - 1.000 t regrind / a**

### RR 2-85

Batch size: 200 kg

Batch time: 5 - 12 min

5 - 10 batches / h → 1 - 2 t regrind / h

10 working hours / d → 10 - 20 t regrind / d

250 working days / a → **2.500 - 5.000 t regrind / a**

### Regrind usage:

- Backing sand up to 100 %
- Mould sand up to 50 - 100 %
- Core sand up to 50 - 100 %

All specifications are average values.

Own calculation:

Purchase saving sand:

Purchase saving disposal costs: