BATTERY MOLD PRODUCTION

SMART EVOLUTION
Benefits at a glance

- Most efficient way to produce solid slabs
- High output and flexibility
  - Curing accelerated by integrated heating system.
  - Flexible shuttering FaMe components
  - Maximum usage of production floor area.
- Product quality
  - Smooth surfaces on both sides of the product.
  - Integrated compaction system.

Battery Mold
WHAT’S INCLUDED?
Battery mold

- One fixed support wall in middle and two movable support walls in both ends
- Movable casting cells.
- Tailored sizes i.e. 3.0 m * 6.0 m, 3.5 m * 8.0 m, 4.0 m * 11.8 m
- Heating with hot water pipes
- Compaction either integrated electrical vibrators or pocket vibrators
Facts in Brief

Battery mold 10+10, 3,8*8,0 m

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<tr>
<td>Theoretical Capacity</td>
<td>608 m²/day (one casting)</td>
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<tr>
<td>Personnel</td>
<td>10</td>
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<tr>
<td>Production area</td>
<td>300 m²</td>
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* All figures are estimates
The Process in Brief

- Shuttering
- Reinforcement and Inserts
- Casting and Compaction
- Curing
- Demolding
- Lifting to storage

Battery Mold
WOULD YOU LIKE TO DOUBLE YOUR PRODUCTION?
Cold shuttering

- Double output and increased casting sequence
  - Cold shutter plates are furnished in separate furnishing rack
  - Plates are lifted to the battery mold and casted (both sides)
  - After pre-curing (4 hours) plates with precast units are lifted out from battery mold
  - Final curing take place in storage rack.
State of the Art Equipment

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<td>High output and flexibility</td>
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<tr>
<td>Shuttering</td>
<td>Flexible and accurate production</td>
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<td>Cold Shutter</td>
<td>Multiply your production capacity</td>
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<td>Caster</td>
<td>Different kind of casting methods. Easy and Fast casting</td>
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<td>Shuttle E9</td>
<td>Automatic concrete distribution</td>
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Battery Mold
WHY ELEMATIC BATTERY MOLD?
Our Promise. Profitable Precast.

- Lowest operation cost
- Lifetime commitment
- Best end products
High precision. Excellent end products.

Battery mold

- Rigid steel structure manufactured to tight tolerances
  - Keeps end product straight and even
  - Long lifetime
- Heating and Compaction features
  - Excellent end product
- Available in different Sizes
- Easy to expand
High precision. Excellent end products.

Shuttering

- Strong and accurate fixing of side forms by magnets
  - No welding, nailing or bolting to the battery molds.
- Long lifetime
- Different side forms available
  - Modular steel + plywood
  - Aluminium + plywood
  - Steel
- Unique aluminium side form system also for window and door openings
High precision. Excellent end products.

Shuttering

- Different side forms available
  - Modular steel + plywood
  - Aluminium + plywood
  - Steel

Battery Mold
Easy and safe operation of battery mold

- New opening device for battery mold
  - Health and safety at work
  - Easy to use
  - Easy to install also to old battery molds
Fast and accurate Casting

- Different casting methods available according client needs
  - Placing boom
  - Sector cate casting machine
  - Comskip
  - Casting skip
Concrete distribution

- Fast and reliable method to distribute concrete between the B&M plant and battery mold
- Easy to adapt also to existing B&M plants
- Narrow design of the track enables more effective utilization of floor space
- Fully automated system, optimized speed
- High driving speed up to 5 m/s
References

Hanwha, Bismayah new city, Irak

SCG Cement Co., Ltd., Thailand

Battery Mold
THANK YOU

www.elematic.com