YOUR RELIABLE PARTNER

KVM INTERNATIONAL A/S
The X-small plant is a basic plant. A loader tractor transports the concrete from the mixer to the receiver silo where a transport conveyor is feeding the blockmachine with concrete. The blockmachine is fully automatic and equipped with a conveyor and pallet magazine.

**BLOCKMACHINE**
The KVM blockmachine in the X-small plant is stationary and has a pallet size of 750x650 mm. It can produce products between 30-300 mm high. The blockmachine is complete and includes a control panel and hydraulic station.

**HANDLING**
A 5 m long conveyor is placed in front of the machine to handle and transport the pallets with concrete products coming out of the blockmachine.

**Diagram:**
- 1. Receiver silo
- 2. Blockmachine
- 3. Conveyor
- 4. Pallet magazine
The X-small plant gives a wide range of various concrete product. Including pavingstones, interlocks, blocks, slabs etc.

CAPACITY: (750 x 650 mm pallet)
* Capacity per 8 hours shift and 100 % efficiency and suitable materials.

The utilization of the production pallet within each concrete product may vary. Each product can be produced in different dimensions. The mentioned capacity is calculated for a standard product type.

<table>
<thead>
<tr>
<th>Products</th>
<th>Size mm</th>
<th>Products per pallet</th>
<th>Cycle time</th>
<th>Capacity per 8H*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building blocks</td>
<td>200x400x200</td>
<td>3</td>
<td>15-18 Sec.</td>
<td>5760-4800 blocks</td>
</tr>
<tr>
<td>Pavers</td>
<td>100x200x60</td>
<td>18</td>
<td>15-18 Sec.</td>
<td>691-576 m²</td>
</tr>
<tr>
<td>Interlocks</td>
<td>163x200x60</td>
<td>10</td>
<td>15-18 Sec.</td>
<td>535-446 m²</td>
</tr>
</tbody>
</table>
**SMALL PLANT**

*The Small plant is also a qualified solution for a starter plant. The mixer is an integrated part of the plant, which delivers the concrete directly to the blockmachine. The blockmachine is fully automatic.*

**BLOCKMACHINE**
The KVM blockmachine in the Small plant is stationary and has a pallet size of 900x750 mm. Its product height is between 30-300 mm. The blockmachine is complete and includes control panel, hydraulic station and pallet magazine.

**HANDLING**
A 5 m long conveyor is placed in front of the machine for transporting the pallets with concrete products to a stacker. The stacks of pallets with the products on is removed by a fork lift.

**CUBING**
A cuber is placed behind the blockmachine to palletize the concrete products into transport packs. The empty production pallet is placed in the pallet magazine, ready for the next production.
**SMALL PLANT**

*The Small plant gives a wide range of various concrete product. Including pavingstones, interlocks, blocks, slabs ect.*

**CAPACITY:** (900 x 750 mm pallet)
* Capacity per 8 hours shift and 100 % efficiency and suitable materials.

The utilization of the production pallet within each concrete product may vary. Each product can be produced in different dimensions. The mentioned capacity is calculated for a standard product type.

<table>
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<tr>
<th>Products</th>
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<th>Cycle time</th>
<th>Capacity per 8H*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building blocks</td>
<td>200x400x200</td>
<td>6</td>
<td>13-16 Sec.</td>
<td>13292-10800 blocks</td>
</tr>
<tr>
<td>Pavers</td>
<td>100x200x60</td>
<td>24</td>
<td>11-14 Sec.</td>
<td>1257-987 m²</td>
</tr>
<tr>
<td>Interlocks</td>
<td>163x200x60</td>
<td>13</td>
<td>11-14 Sec.</td>
<td>948-745 m²</td>
</tr>
</tbody>
</table>
The Medium plant is an automatic plant. The mixer is an integrated part of the plant, which delivers the concrete directly to the blockmachine. The blockmachine is fully automatic.

**Batching and Mixing**
Two separate mixing lines keep main and face-mix concrete apart. Thus to avoid fine and coarse materials being mixed.

**Blockmachine**
The KVM blockmachine in the Medium plant is stationary and has a pallet size of 1400x750 mm. Its product height is between 30-300 mm. The blockmachine is complete and includes a control panel and hydraulic station. As an option the machine can produce up to 500 mm high products.

**Handling**
Conveyors are used to transport the pallets with products around the plant. A fork lift is transporting the products between the curing area and the production facilities. Elevator and Lowerator are used for removing and adding pallets with products for the fork lift driver.

**Cubing**
A fully automatic cuber is cubing the products into transport packs ready for the trucks. The empty production pallet is returned with the conveyor system ready for the next production.
The Medium plant gives a wide range of various concrete product. Including pavingstones, interlocks, blocks, slabs, curb stones etc. The plant can at a later stage be expanded to a fully automatic curing system.

**CAPACITY:** (1400 x 750 mm pallet)
* Capacity per 8 hours shift and 100 % efficiency and suitable materials.

<table>
<thead>
<tr>
<th>Products</th>
<th>Size mm</th>
<th>Products per pallet</th>
<th>Cycle time</th>
<th>Capacity per 8H*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building blocks</td>
<td>200x400x200</td>
<td>9</td>
<td>14-17 Sec.</td>
<td>18514-15247 blocks</td>
</tr>
<tr>
<td>Pavers</td>
<td>100x200x60</td>
<td>36</td>
<td>9-12 Sec.</td>
<td>2304-1728 m²</td>
</tr>
<tr>
<td>Interlocks</td>
<td>163x200x60</td>
<td>22</td>
<td>9-12 Sec.</td>
<td>1961-1471 m²</td>
</tr>
</tbody>
</table>
The large plant is a fully automatic plant and include the most advanced automatic handling system, type Finger Car, which can be configured in different layouts according to local requirements and possibilities.

**Batching and Mixing**
Two separate mixing lines keep main and face-mix concrete apart. Thus to avoid fine and coarse materials being mixed.

**Blockmachine**
The KVM blockmachine is stationary and has a pallet size of 1400x1100 mm. Its product height is between 30-300 mm. The blockmachine includes control panel, hydraulic station and pallet magazine. As an option the machine can produce up to 500 mm high products.

**Handling**
Conveyors are used to transport the pallets with products around the plant. A Finger Car is transporting the products between the curing area and the production facilities. Elevator and Lowerator are used for removing and adding pallets with products to and from the conveyors. A transfer unit gives easy access to the central area between wet and dry lines.

**Cubing**
A fully automatic cuber is cubing the products into transport packs ready for the trucks.

1. Main mixer
2. Face-mix mixer
3. Blockmachine
4. Elevator
5. Finger car
6. Rack system
7. Lowerator
8. Cuber
9. Pallet magazine
10. Pack conveyor
11. Pallet turner
12. Transfer unit
The Large plant gives a wide range of concrete product assortment. Including pavingstones, interlocks, blocks, big slabs, curb stones up to 1 m long ect.

**CAPACITY:** (1400 x 1100 mm pallet)

* Capacity per 8 hours shift and 100 % efficiency and suitable materials.

The utilization of the production pallet within each concrete product may vary. Each product can be produced in different dimensions. The mentioned capacity is calculated for a standard product type.

<table>
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<tr>
<th>Products</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Building blocks</td>
<td>200x400x200</td>
<td>12</td>
<td>14-17 Sec.</td>
<td>24686-20329</td>
</tr>
<tr>
<td>Blocks</td>
<td></td>
<td></td>
<td></td>
<td>blocks</td>
</tr>
<tr>
<td>Pavers</td>
<td>100x200x60</td>
<td>54</td>
<td>9-12 Sec.</td>
<td>3456-2592 m²</td>
</tr>
<tr>
<td>Interlocks</td>
<td>163x200x60</td>
<td>33</td>
<td>9-12 Sec.</td>
<td>2942-2206 m²</td>
</tr>
<tr>
<td>Building blocks</td>
<td>200x400x200</td>
<td>15</td>
<td>14-17 Sec.</td>
<td>30857-25412</td>
</tr>
<tr>
<td>90° turn</td>
<td></td>
<td></td>
<td></td>
<td>blocks</td>
</tr>
</tbody>
</table>
EXPERIENCE, FLEXIBILITY, VERSATILITY AND SERVICE
- KEYWORDS AT KVM -

**KVM has more than 60 years of experience with concrete production plants. Using experience, flexibility, service, quality and successful dialogue with our customers KVM is one of the leading manufacturers of concrete production plants globally.**

**QUALITY AND GLOBAL FLEXIBILITY**
With more than 60 years of experience KVM has a reputation for strong and solid quality products. Different markets, specific requirements and individual solutions make KVM flexible in adaption from market to market worldwide. KVM quality combined with the success of our customer makes our products a safe investment.

**VERSATILITY AND SERVICE**
An important feature gained with a KVM block making machine is the great range in production of concrete products. The machine is constructed to give a high degree of versatility in products from thin pavers to heavy and tall concrete products, all with high quality and output.

The words Reliable and Loyal Partner mean for KVM a long lasting relationship. KVM is known world-wide for supporting the customers before, during and after purchasing either a single machine or a complete turnkey plant. Service is a high-valued point at KVM and we guarantee a quick response and help.
**LIFETIME SERVICE**

*Service is an important issue for KVM. A long lasting relationship starts when a project is offered by KVM. Moreover KVM is known worldwide as a loyal and reliable partner at your disposal. No matter what type of equipment, KVM supports the customer throughout the lifetime.*

**COMMISSIONING**

Plants or single machines are installed and commissioned by KVM’s own team, meaning well qualified and educated engineers. Operators can take part in the commissioning to achieve better knowledge of the plant. After a final production test the operators are trained to run the plant by themselves.

**AFTER SALE SERVICE**

Regular service visits are offered by the KVM team to ensure and maintain high productivity plant performance. KVM offers a service management contract.

**24 HOURS SERVICE LINE**

KVM offers on-line service 24/7. If stops in the production system occur KVM assists with fast expertise and this help continues until the machinery runs again.

**SPARE PARTS**

With a very efficient logistic network KVM can make quick delivery of spare parts to all locations. For each plant KVM recommends a spare parts package with components suited to your plant or machine.

**OPERATOR TRAINING**

To give the operators a good knowledge in efficient plant operation KVM has its own operator training academy. Operators are trained in concrete technology, compacting theory, product quality, machine operation, maintenance, plant performance, trouble shooting and fault finding. The training academy gives the operators a theoretical background and hands on experience.
KVM - THE PERFECT PARTNER ON YOUR WAY TO SUCCESS