

YOUR RELIABLE PARTNER



KVM INTERNATIONAL A/S



# 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.*

The KVM head office is situated in the mainland of Jutland in Denmark. With in-house research, development, technology, production and service KVM is known World-wide as a reliable and loyal partner. KVM has subsidiary companies operating in Great Britain, Poland, Russia, the USA and Germany as well as local sales staff and agents all over the world.

## QUALITY AND GLOBAL FLEXIBILITY

With more than 60 years of experience KVM has a strong and solid quality of our products. Different markets, specific requirements and individual solutions makes 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 standing by 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 quick response and help.

Outstanding  
Product  
Solutions

Customer  
Satisfaction

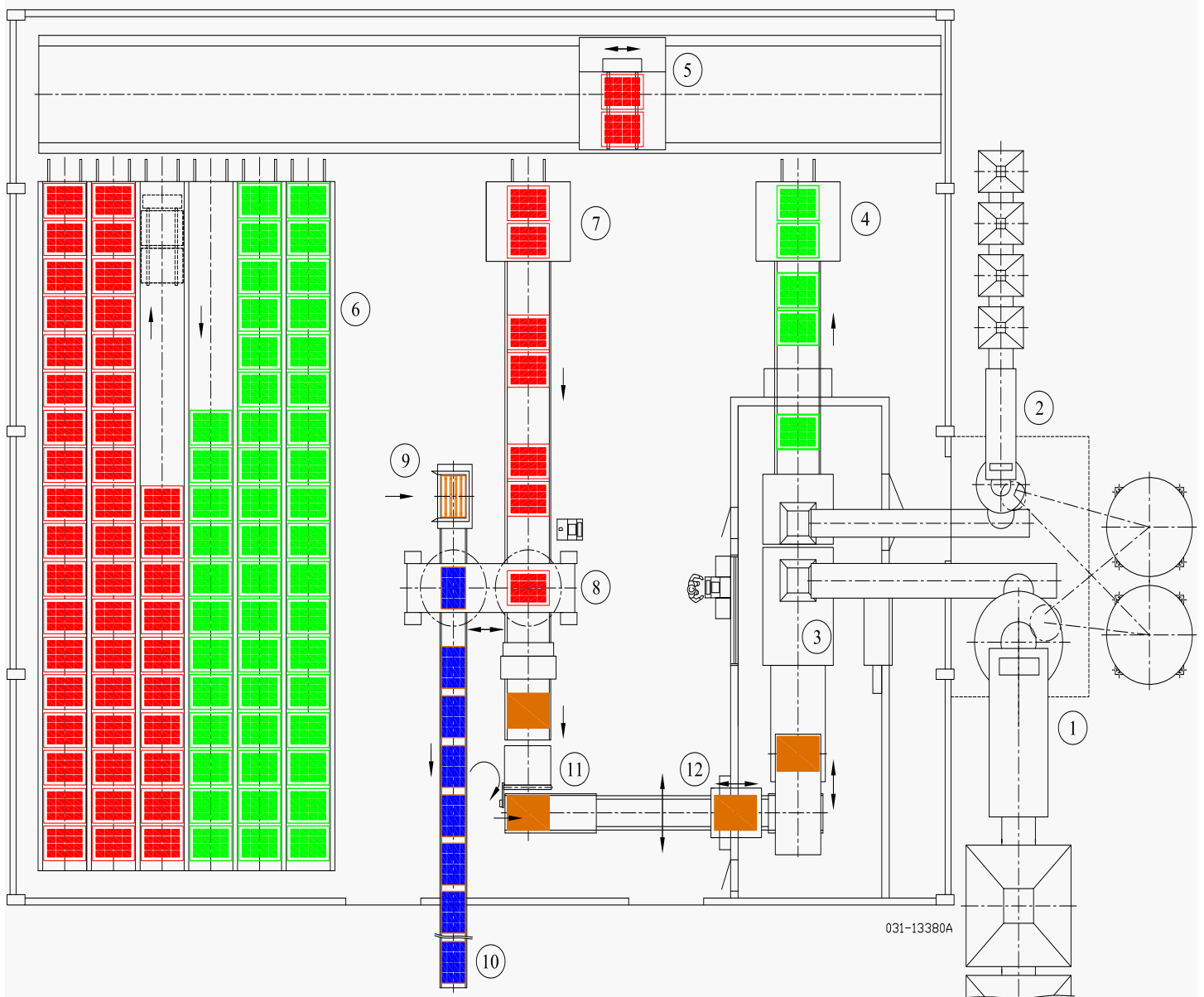
Quality  
Work



# ONE SUPPLIER – ONE PARTNER

*KVM engineering skills cover all levels from traditional craftsmanship to state-of-the-art technology. Your business is our business, and no matter which solution – single machine or turnkey concrete plants – you need, KVM has the resources, the experience and the technology to provide the optimal solution.*

A successful concrete production plant is achieved through close dialogue and cooperation between client and supplier from the initial phase with discussions about design, production, commissioning, service, training and continued support. KVM is standing alongside you. Through the entire lifetime of a KVM machine. One supplier is equal to one partner – KVM.



- |                   |                               |
|-------------------|-------------------------------|
| 1. Main mixer     | 7. Lowerator                  |
| 2. Face-mix mixer | 8. Cuber                      |
| 3. Blockmachine   | 9. Pallet magazine            |
| 4. Elevator       | 10. Transport pallet conveyor |
| 5. Fingercar      | 11. Pallet turner             |
| 6. Rack system    | 12. Transfer unit             |

# BATCHING AND MIXING PLANTS

*KVM delivers complete batching and mixing plants designed to your needs for the production of concrete products. The solutions include batching plants, mixers, silo systems, proportioning equipment and control systems, all engineered to make a difference.*

## BATCHING SYSTEMS FOR AGGREGATES

Storage and preparation systems for aggregate and binders are available in different configurations for all types of plants.

## CONCRETE MIXERS

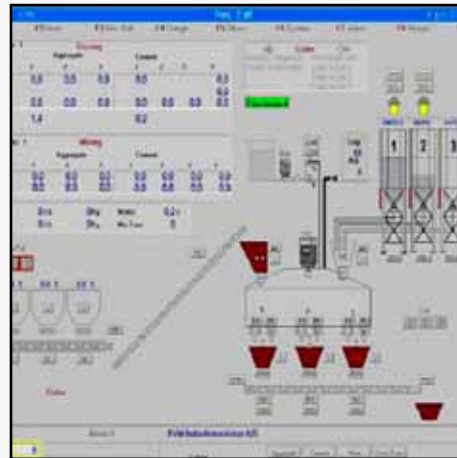
Large or small needs – KVM will guide you to the most suitable mixer. KVM supply high performance pan or planetary mixers – with or without wibrler for intensive mixing. The mixing capacity goes from 150L up to 6000L.

## DOSING SYSTEMS FOR COLOURED CONCRETE PRODUCTS

For multi-coloured products KVM has an integrated system giving the possibility to make different colour patterns on one or two layer products.

## CONTROL SYSTEMS – ALL FROM ONE SUPPLIER

The control system has all the necessary features needed in modern concrete production. The system can be delivered as a stand-alone system or can be integrated in a KVM block machine control system. This way the whole production plant is controlled from one communication center.





# CONCRETE BLOCK MAKING MACHINES

## SERIES E: E750 – E1200-2

*The E-series is a stationary Block making machine with a heavy and solid frame construction using standard pallets from 750x650 mm up to 1200x1000 mm. Standard product height, up to 300mm.*

*The block machine is a well-engineered quality and robust machine with state-of-the-art mechanical, pneumatic, hydraulic and electrical components.*

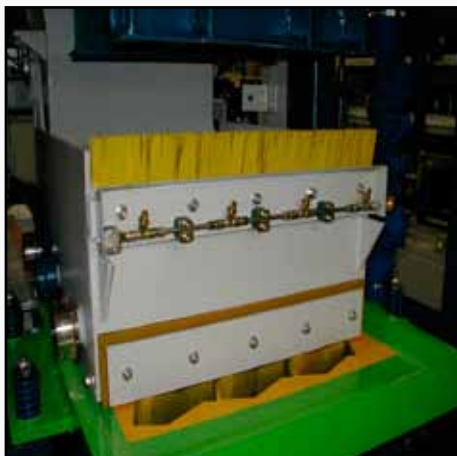
- Visualization of production process.
- Hydraulic system with proportional valve control.

### AVAILABLE UPGRADES:

- Face mix device.
- Product height up to 500 mm.
- Quick Mould change.

### STANDARD EQUIPMENT PROGRAMME:

- Heavy frame construction with 5 years guarantee.
- Standard Vibration table.



# CONCRETE BLOCK MAKING MACHINE

## SERIES S: S900 – S1500-4

The Series S are KVMs most advanced and fastest block machine. The machine has a very fast cycle time and has all the features for fast product change. This gives a very high output of all different products.

### STANDARD EQUIPMENT PROGRAMME:

- Heavy frame construction with 5 years of guarantee.
- Rubber dampers placed under the machine frame for reduction of the vibrations transmitted to the surroundings.
- Product height 30 to 300mm.
- Advanced control of pallet feeder for soft handling of products.

- Oil temperature control with oil cooler and heater.
- Variable vibration system – with adjustments of both amplitude and frequency.
- Quick mould change.
- Visualization of production process.
- Fast hydraulic system with proportional valve control.
- Online support.

### AVAILABLE UPGRADES:

- Face mix device.
- Product height up to 500 mm.
- Automatic adjustment of concrete in filling box.
- Quick filling box change.
- Rotating brush on filling box.



# HANDLING SYSTEMS

*KVM delivers handling systems, depending on clients' individual needs and the onsite opportunities.*

## THE HANDLING SYSTEMS ARE:

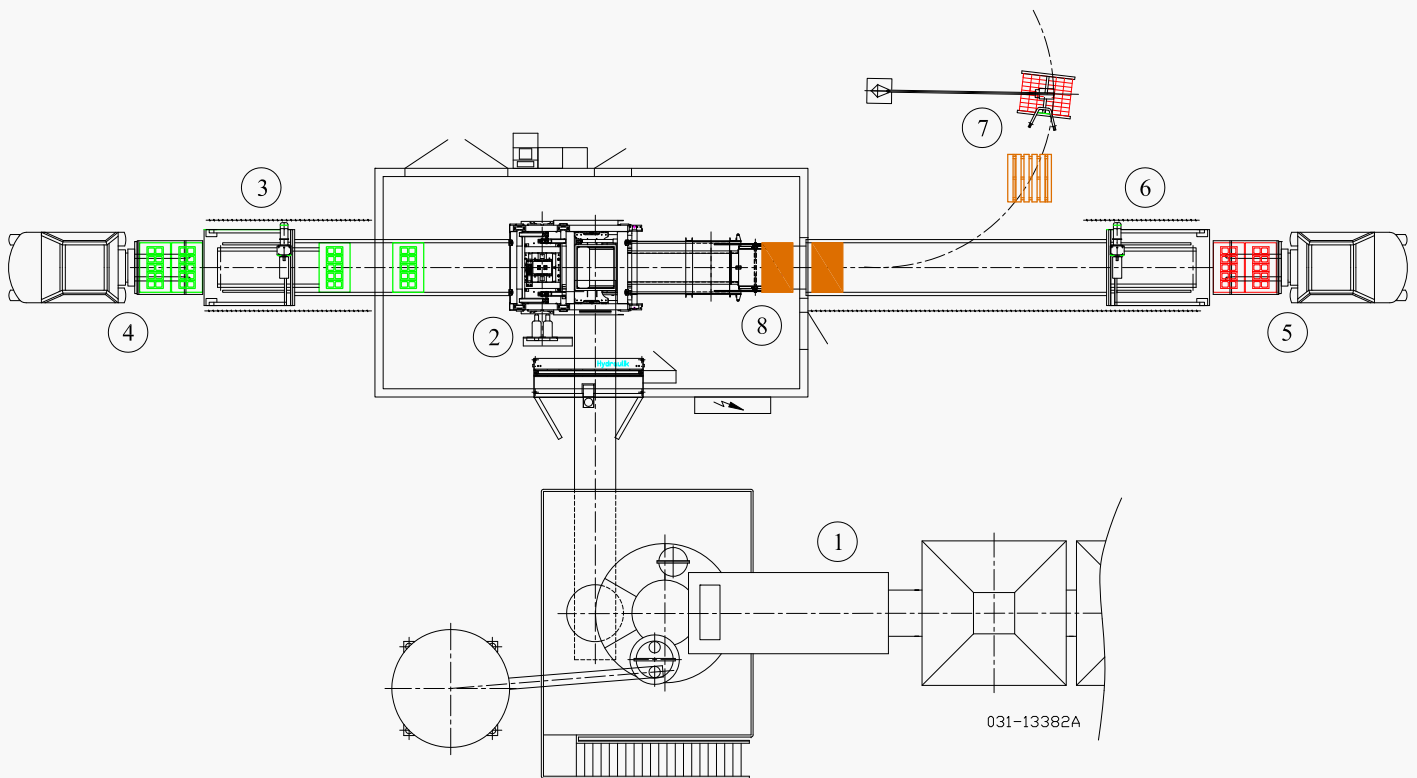
Semi-automatic system where the products are handled by fork lifts, type TS. This system can be used with or without legged pallets.

Transfer systems, type KFA, for automatic handling with or without cassettes.

Complete fully automatic systems, type FC (Finger Car) with rack system for an ideal curing environment.

KVM also delivers accessories for plants:

- In-line height control systems.
- In-line scales
- In-line control tables.
- In-line washing machines.
- Board cleaning and moisturizing.
- Board accumulating equipment.



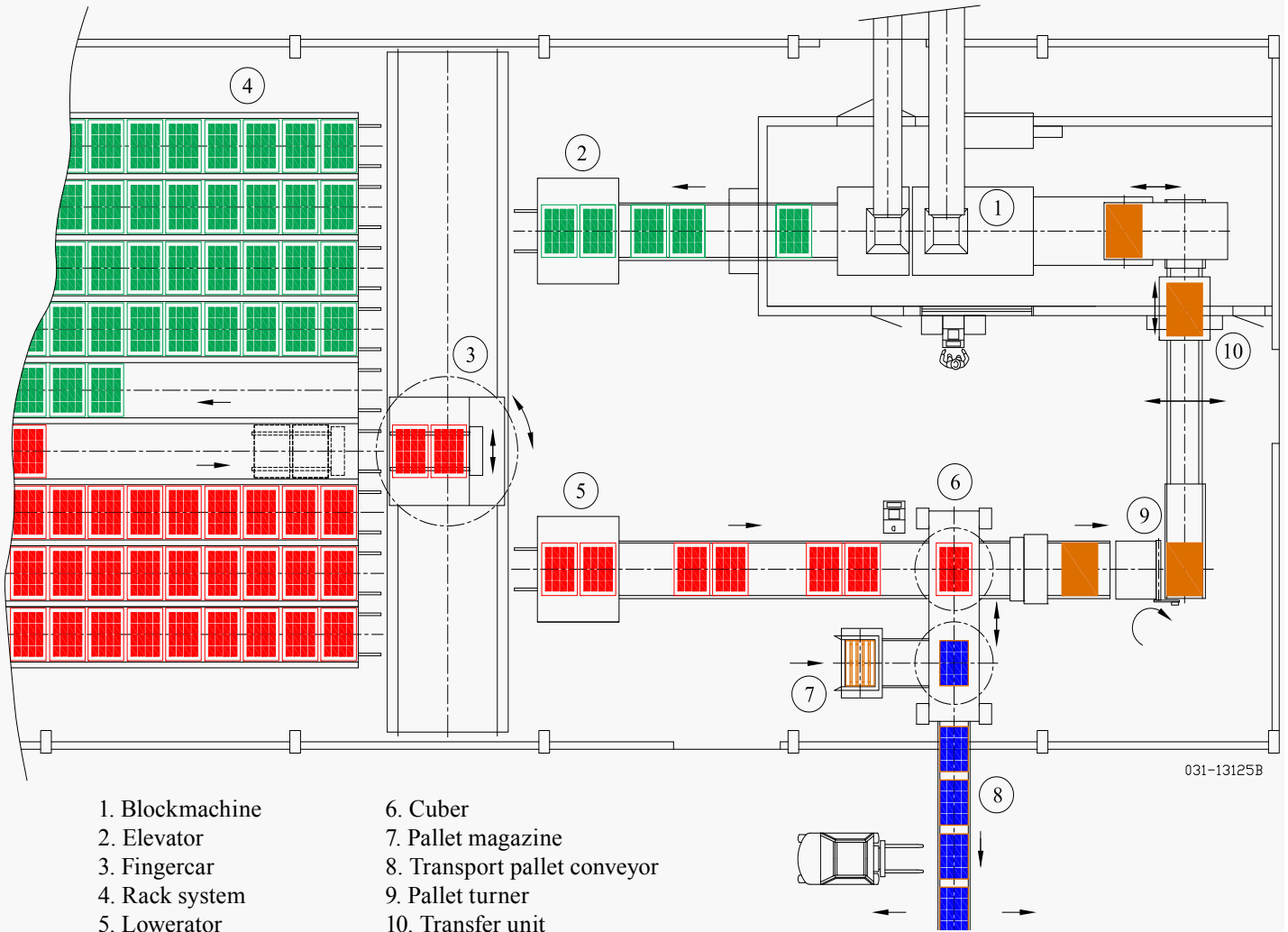
- |                    |                    |
|--------------------|--------------------|
| 1. Mixing plant    | 5. Forklift system |
| 2. Blockmachine    | 6. Lowerator       |
| 3. Elevator        | 7. Manual cuber    |
| 4. Forklift system | 8. Pallet turner   |





# HANDLING SYSTEMS

*The most advanced handling system, type FC, can be configured in different layouts according to local requirements and possibilities.*





# CUBING SYSTEMS

*KVM delivers fully automatic cubing systems, depending on clients' individual needs and the on-site opportunities.*

## THE CUBING SYSTEMS ARE:

Simple manual cubing clamps for the small production and fully automatic robotic cubers for very high speed operation with a large output.

The KVM horizontal robotic cubers are fast traveling and very precise in stacking.

KVM also delivers accessories for cubing and packing lines.

- Product formatting units.
- Conveyor systems for packed products.
- Strapping lines vertical and Horizontal.
- Packing machines.
- Label printing.



## SECONDARY PROCESSING – REFINED SURFACES – REFINED USAGE –

*With the demand for special products – big, small, round, triangular concrete products, products with refined surfaces and natural stone appearance etc. – KVM supply specially developed product after treatment either as for fully automatic integrated in-line systems in the concrete production line or as off-line systems.*

### THE MACHINERY ARE:

- Tumbling
- Splitting
- Washing, soft or hard wash
- Insulation Elements ISO Line 2000
- Patinating

An example of refined usage is the insulation line where insulation elements are added to the building blocks either in the block machine or in a separate line.



# 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 which types of equipment, KVM stands by 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 the 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 part 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 INTERNATIONAL A/S  
INDUSTRIVEJ 24  
DK 8620 KJELLERUP  
DENMARK  
PHONE: +45 87 702 700  
FAX. +45 87 702 701  
E-MAIL: KVM@KVM.DK  
WWW.KVM.COM

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