

YOUR RELIABLE PARTNER



• ASPHALT

• CONCRETE

• MOULDS



• WE KNOW THE DEMANDS

At KVM we are aware of the demands for safe investment from the industry. And we are prepared for them. The starting point is solid experience – gathered through more than 50 years delivering tailor made solutions for the asphalt and concrete industries world-wide. In addition to this, we continuously update our knowledge of our customers markets, innovate new products and invest in new production technology.

This is the strong foundation, which makes KVM a competent partner with many unique plant solutions. This gives you as a KVM customer, the confidence that you will receive the optimum output from every investment. A balance between tradition and our vision for the future is the key. It will secure the customers and the markets of tomorrow.

Decades of accumulated experience in process engineering and machine building, plus new findings and techniques, all contribute to a valuable platform from which to launch tomorrows innovative solutions. At KVM we see ourselves as a business partner for the long term - a company you can rely on into the future.

• KVM OPERATES WORLDWIDE

When it comes to supplying the best solutions, KVM knows no geographical boundaries – we operate world-wide and with our experience and know-how we can handle any international project, large or small.



Our solutions comply with the requirements laid down by the leading international standards.

Our headquarters and main facilities are in Denmark and KVM has subsidiaries for sales, service and production in the UK, Poland, Sweden, Germany, the US and Russia and agents representing KVM in another 15 countries. This way we can ensure that we speak the customers languages and understand their culture. Regardless of where you are in the world, we can easily be contacted.

KVM was founded in the early 1950s, and from the beginning we have worked exclusively with plant solutions for the asphalt and concrete industries.

KVM is well prepared for the future tasks and challenges of these industries.

KVM – your reliable partner!

• SAFE INVESTMENTS

Every investment in new production plants and technology is based on basic economic considerations. The resulting increase in profits must be substantial and worthwhile, and all unnecessary risks eliminated. Greater efficiency, better product quality and increased competitive power must go hand in

hand with reliable service and up-to- date information from all areas that affect your business.



• EFFECTIVE PROJECT MANAGEMENT

Hands-on quality management is part of every KVM delivery. Experience shows that the earlier we can join your project, the better we can help you develop its potential.

This way we can guarantee quality in every part of the project – followed by the after-sales-service which is an integral part of all KVM deliveries.

KVM's experienced project management teams carry out the projects themselves. This includes specialists for process, mechanical, electrical and control engineering. These are all involved in the planning and implementation of a project.

• EDUCATION

Well educated operating personnel is essential to obtain optimal plant performance and for this reason we have our own training and education facilities at the KVM Academy, situated at KVM in Denmark. Here we carry out extensive operator courses at different skill levels and in different languages.

• IMPORTANT QUALITY PARAMETERS

KVM is famous for superb quality solutions. Our quality standards are directed towards the achievement of technical excellence and outstanding reliability. We always consider the environment for sustainability. We operate with the following 5 quality parameters, besides tight deadlines, in all projects:

- Quality of manufactured products
- Plant quality
- Plant efficiency
- Plant reliability
- Plant safety

We aim to offer the best in all areas and achieve this through constant review and innovation.

We never forget the strengths that have contributed so much to our past successes: Quality, flexibility and customer focus. These are virtues that we continuously maintain and value.



• TESTING AND CONTROLLING

As a world-wide supplier, KVM knows that plants are often exposed to extreme conditions.

Therefore all essential parts and components are thoroughly tested before leaving the factory. Through our solutions we strive towards our objective - technical leadership through exceptional quality.

Our testing and control procedures are your guarantee for an optimum economical and technical investment.

• MAINTENANCE AND SERVICE

Downtime causes unnecessary expenditure and must be kept to a minimum. But even the most quality-focussed production processes cannot entirely prevent machinery and equipment from having a stop.

At KVM we aim to provide a level of service that is flexible and attentive particularly in emergency situations and under difficult conditions. A KVM maintenance programme completely tailored to your plant and the specific needs of your company is the perfect solution.

We provide a 24-hour support service 7 days a week, so that - if a stop occurs - downtime is kept to a minimum, no matter where the plant is situated.

Today anyone purchasing sophisticated plants expects first-class service support immediately. Our policy is therefore to accept orders only when we are sure we can provide rapid, full-service support to the end-user.

The plant control systems are linked directly to KVM via Internet or modem, enabling us to provide immediate, direct support for our plants anywhere in the world.

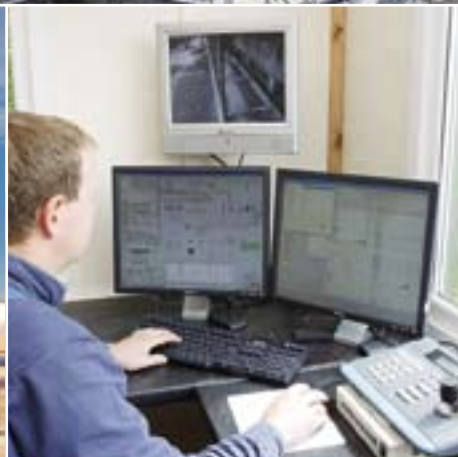
• TOGETHER WE ARE STRONG!

It is your job to keep your business in front.

Our job is to support you to do so by sharpening your competitive edge.

Let us supplement each others knowledge and utilise our common know-how – and together pave the way to your future success. Every great invention is the result of finding a solution to a problem or need.

We are always looking for new challenges. Maybe you could provide our next.



• ASPHALT MIXING PLANTS

KVM's asphalt mixing plants unite in an ideal way the best from two worlds.

The asphalt mixing plant is not only the most sophisticated technology in the line of business, it also reflects an uncompromising quality in every detail.

KVM's asphalt mixing plants are developed with the purpose to give our customers reliable plants producing high quality products, giving low costs and large operation capacity.

In co-operation with our customers, we design and construct new asphalt mixing plants as well as modernise existing ones.

We supply our customers with tailor-made plant solutions to fulfil their customers' requirements. Consequently, when we start on a project, we use many resources in order to achieve an understanding of the customers and their specific requirements.

A KVM plant combines easy access conditions and efficient sealing systems into a sound working environment programme with emphasis on functionality.

• CUSTOM-BUILT SOLUTIONS

Plant updating and individual solutions are KVM specialities, where most solutions can be satisfied by using our standard components.

The main types of asphalt mixing plants are:

- Static batch plants, 80-320 tph.
- Transportable batch plants, 80-210 tph.
- Cold mix asphalt plants, 150 tph.

The static batch plants are divided into three different types, each covering a particular share of the capacity scale:

- Viking: 80-160 tph.
- Freja: 120-240 tph.
- Odin: 160-320 tph.

All versions are available as low or high built versions.



For the typical asphalt mixing plant KVM can also provide you with the following key components:

- KVM cold feed equipment
- KVM drying drums and burner equipment
- KVM fuel tanks and oil heaters
- KVM pulse jet or reverse jet cleaned bag houses
- KVM skimmers
- KVM mixing towers
- KVM filler storage and filler treatment systems
- KVM mixed material storage systems square or circular bins
- KVM bitumen storage systems vertical or horizontal tanks
- KVM hot and cold RAP systems
- KVM Windows based control systems

• MACHINE DESIGN AND MAINTENANCE

Our design team focuses on the safe operation of your plant. Safe accesses for regular inspection and maintenance of your KVM machines and plants have key priority with focus on safe operation and low maintenance costs.

KVM asphalt plants are designed for the rough quarry industry and years of field tests and valuable customer feed back have brought us forward to our position as market leader and through our intensive development programme KVM meets the most stringent environmental requirements.

KVM offers you a second to none service back up securing you maximum uptime.



• BLOCK PLANTS

KVM delivers complete production lines for production of concrete products, i.e. building blocks, paving stones, kerb stones and slabs. The product range covers the complete production from single machines to complete production plants.

The product range includes: Block machines, semi or fully automatic handling systems and cubing and packing systems. For secondary processing KVM delivers different types like washing, rumberling and splitting.

Buying a KVM block plant will provide you with:

- No need for heavy foundation – only standard industrial floor
- High quality concrete products
- High versatility, with a product height from 25 to 500 mm
- High accuracy, better than +/- 1 mm
- Fast cycle time 8 – 12 sec.
- The strongest, heaviest and most solid frame construction in the market
- The most advanced and user-friendly control system in the business
- Modular construction making the plants very flexible
- Highly developed after-sales service
- Hotline service 24 hours 7 days a week

Large or small production capacities - KVM has the machine!

Depending on the customer's needs and wishes, KVM will guide the customer in the direction of the most suitable block machine.

• PRODUCT PROGRAMME

KVM produces three different types of block machines:

Series I: Consisting of types 62/62 and 62/80. Pallet size 650 x 650 mm and 750 x 900 mm.

This is the smallest of the standard KVM block machines.

Series II: Consisting of types 62/105, 90/105 and 62/125.

Pallet size 750 x 1200 mm, 1000 x 1200 mm and 750 x 1450 mm. The Series II machines are the most popular and flexible KVM block machines.

Series III: Consisting of types 80/125, 105/125 and 125/125. Pallet size up to 1500 x 1500 mm.

This is the largest of the standard KVM block machines with a very high output.

• HANDLING

The KVM handling systems are able to meet all customer demands. Systems can be delivered either semi or fully automated.

The handling systems include:

- Basic Forklift handling system, type TS
- Automatic Crane handling system, type KFA
- Automatic Fingercar handling system with racks, type FC

The KVM Finger Car System is very stable and durable due to the special KVM construction.

The possibility for variable speed ensures complete control of the handling process.

The flexible construction can be fitted into both new and existing buildings. It can be operated both manually and automatically and can handle both dry and green sides.

• CUBING

KVM produces different types of cubing and packing systems from traditional clamp cubers to flexible robotic cells. All are characterised by long life, short cycle time, and great reliability.

If the pack layout demands it KVM has formatting equipment for this operation.

For the packing and outfeed KVM can deliver different types of packing and strapping equipment.





• “GREEN MOULDS” ... VISIONARY HARDWARE!

The development in mould technology and the manufacturing process of reliable moulds takes place continually. The most important result brought about by this is the G-Form® concept. No other mould concept is in all its assets as environmentally friendly!

• KVM MOULD DIVISION

KVM moulds are in the forefront as first class reliable moulds.

Our quality is managed by the ISO 9001:2000 system.

The G-Form® concept is based on wear parts with close tolerances and the hardest and deepest hardening achievable. This in combination with tamper heads and mould frames made of cast steel makes the most flexible and long lasting mould solution offered in the market.

We even guarantee that, in normal use, our cast steel parts will not break within 1,000,000 cycles!

• GENUINE PRODUCTION MOULDS

The G-Form® concept has it all:

- Environmentally far better than the average
- Replaceable wear parts
- Hardest and deepest hardening
- No welding during assembly
- Close tolerances on all vital measures
- Surround frames made in vibration resistant steel
- Guarantee on all cast steel mould parts

• SERVICE AND REPAIRS

We have allocated some of our best tradesmen and given them their own workshop for refurbishing moulds. Their special task is to handle repairs and solve urgent cases. More and more of our customers use this facility, and your production can also benefit from this facility.



• ENVIRONMENT AND SAFETY

Environmental care is a natural keyword in all KVM divisions and a complete Life Cycle Assessment (LCA) including operating energy usage is undertaken to determine a full potential environmental footprint for a KVM machine or plant.

This implies that during development of machines or plants, the engineers always have the energy consumption in focus as well as the functionality.

Control of Substances Hazardous to Health (COSHH) is another focus point to KVM and all efforts are made to minimise the risks of injuries during the plant operation. The reduction of dust emission, noise and vibration influences to the operators and surroundings are points with special focus during the engineering and project phase of a plant.

The safety systems for the plants are made to the highest standards and fulfil the highest requirements to Health and Safety regulation but still allow easy access to the plants during operation, optimising the plant efficiency.

To obtain this, sections of the plants will shut down if particular areas are entered, while the rest of the plant still operates in a safe mode.

KVM offers a wide range of service programmes where KVM service engineers support your staff with the goal to minimise energy consumption and downtime. KVM also offers updating of safety programmes.



DEALER:

KVM INTERNATIONAL A/S
INDUSTRIVEJ 24
DK 8620 KJELLERUP
DENMARK
PHONE: +45 87 702 700
FAX: +45 87 702 701
www.kvm.com

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