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Extrusion specialist Concore is now joining forces with Van De Weert

Concore B.V., an expert in hollow core slab extrusion, high performance machinery and experience in delivering complete precasting factories, is now joining forces with industry peer, Machinefabriek Van De Weert Helmond b.v. Together they will bring a superior level of technology to the precast market, reinforced by skilled engineers, experienced workers and excellent facilities. Both companies are based in The Netherlands and will combine development, sales and production efforts. Their central location ensures easy access to parts and a larger team of skilled and experienced service technicians.



Fig. 1: Concore Standard Extruder



Fig. 2: Concore machinery in Van De Weert assembly hall

Concore was established in 2010, based on the strength of its two predecessors, X-TEC Oy Ltd and Thiso B.V. Their innovative extruder concept comprising individual auger drive, improved compaction, reduced wearing and a design which underlines health and safety, has been a much appreciated technology among users. Concore also provides service and monitoring worldwide using the new Remote service system, which allows Concore experts to check and adjust the parameters and offer direct client support. Concore machinery can be connected to most software.

Van De Weert manufactures slipformers, extruders, plotters, bed-cleaning machines, lifting hook placement-machines, suction machines, etc. and is particularly recognized for the level of production automation supplied to many high profile tech projects. Van De Weert and Concore share a mutually extensive production history within the precast concrete industry.

One of Van De Weert's key automation features is the automatic lifting hook placement for hollow core products. Millions of lifting hooks and pins have been placed reliably in hollow core and solid slabs, eliminating the need of complex and unsafe clamps. Van De Weert and Concore are committed to developing the hook technology equipment further and make it more accessible for smaller precast companies.

To accommodate global expansion, the Van De Weert name will be changed to Motis Prefab Solutions. The name reflects the activities across the entire building industry from equipment and technology to automation. They see a strong trend towards further automation and mechanisation of the complete manufacturing of houses and industrial constructions offsite.

Motis Prefab Solutions offers the full range of equipment for hollow core, solid slab and beam manufacturing and will also develop special solutions for any request from the precast and prefab industry.

Concore extruder

The Concore extruder is based on silent shear compaction and is a proprietary technology. No gear box is needed. Each mandrel has its own motor thus providing accuracy and versatility in mandrel-based settings and securing a high revolution yield.

The power unit motor has frequency inverters and new control engineering. The dynamic power transmit ensures smooth machine run securing consistent high quality concrete extrusion.

Concore extruder has patent protection for its unique strand guide system and speed controlled extruder run. The new remote service system allows Concore to monitor, support and troubleshoot globally in minutes.



Fig. 3: A recent Concore delivery to a hollow-core slab factory with 6 beds in Bisofloor, the Netherlands. Concore modified the extruder to meet customer specifications.

Concore saw

The saw's cutting sequence is fully automatic and the cutting performance, whether straight or diagonal, is high due to the automation and intelligence in saw blade recognition.

Concore plotter with optional weep hole drilling device

The Concore State of the Art plotter has enjoyed worldwide success. Concore and Motis have experience of over 50 plotter deliveries. The plotters are fully automatic, print on slab top or sides and they are accurate on beds even over 200 m. The plotter is battery driven and all information is transferred via wireless LAN network. The drive position of the plotter is controlled by a laser, and it also comes equipped with a hole drilling device for drainage holes etc.

Concore Multifunction machine

Concore always advises using the Multifunction machine in production as it promotes longevity of the casting beds and excellent slab quality. It also keeps the factory clean and significantly reduces the manpower need.

Concore references

Concore has references in the Netherlands, Belgium, Finland, Norway, Sweden, United Kingdom, Russia, Ukraine, Malaysia and Qatar

FURTHER INFORMATION



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CONCORE + MOTIS

FULL RANGE OF EQUIPMENT FOR HOLLOW CORE AND SOLID SLABS AND BEAMS.



EXTRUDER

- Higher compaction rate
- Patented innovations

PLOTTER

- Fully automatic, superior accuracy
- Connection to all major design software packages
- Printing on top surface and sides
- Optional weep hole drilling device



SLIPFORMER

- Large variety of cross sections: massive slabs, beams etc.

LIFTING HOOK

- Lifting hook placement
- Unique automatic machine
- Reliable liftings



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