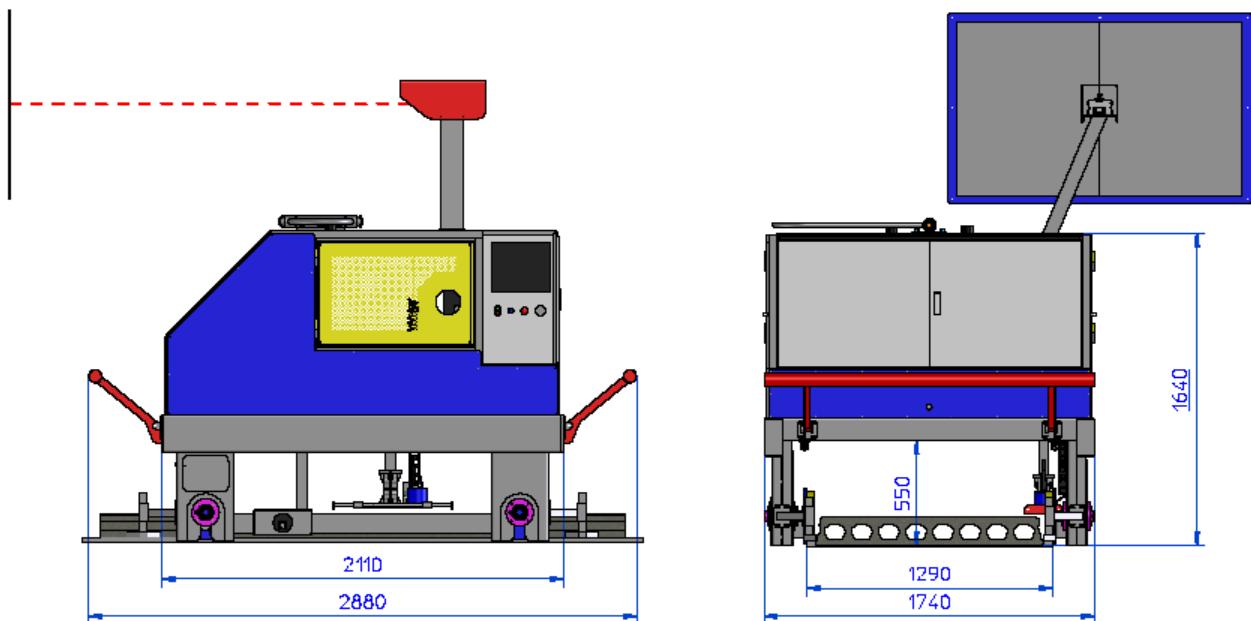


CONCORE PLOTTER.

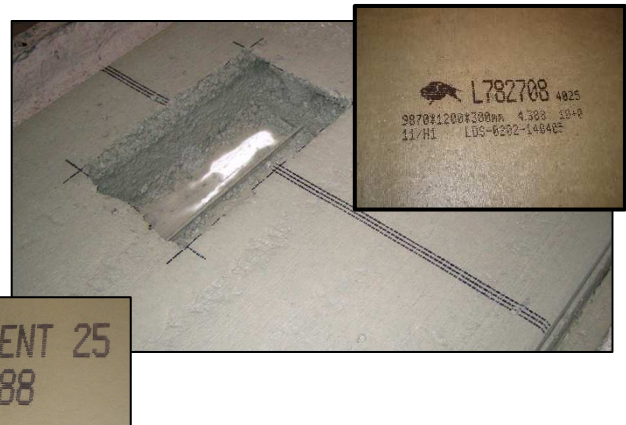


The Concore plotter is built in a rigid steel frame with four flanged wheels. The plotter runs on top of the casting bed rails and draws all the marks for straight cuts, angle cuts, electrical sockets, slab number and different cut-outs on the wet concrete. The position of all lines in the concrete will be exactly the same as shown on the drawing. The computer system and its software can be run independently or can be linked to existing CAD systems. The control system of the fully automatic battery driven plotter is a Windows 10 embedded based software program. The plotter does not require cables, since the plotter is battery driven and all information is transferred by a wireless LAN network(WiFi). The position on the bed of the plotter will be controlled by a laser. The XYZ plotter automatically sets the printing head in right position on the casting bed, dependent of slab type, this feature is developed in order not to damage the printing head by mistake. The Concore plotter is also available for wider beds and as wall panel plotter.





- Increased quality.
- Reduced amount of rejects.
- Increased productivity.
- Improved working environment.
- Suitable drawing on different layers such as:
 - Concrete slabs
 - Concrete Beams
 - Production bed
 - Insulation
 - Steel beds and tables
- Easy operation
- Laser controlled



Technical details:

- | | |
|-------------------------|---|
| – Speed: | Max 50 m / min. |
| – Working time: | 150 m casting bed 15 - 60 min * |
| – Tolerance: | ± 1 mm at the distance of 150 m. |
| – Capacity: | 3.000 m. of casting bed without recharge. |
| – Electric supply: | Traction battery 24 VDC 500Ah/5h. |
| – Recharging time: | 4 - 8 hours. |
| – Recharging aggregate: | 230 VAC High-frequency charger. |
| – Paint system: | DOD inkjet printer. |
| – Control system: | Industrial Fan less PC (Windows 10 embedded). |
| – Monitor: | Industrial TFT panel mount display 10.4" |
| – Control panel: | Industrial touch screen |
| – Dimensions L x W x H: | 2.110 x 1.740 x 1.640 mm. |
| – Weight: | 1.500 Kg |

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Options:

- Printing on side of slabs
- Weep hole drilling
- Extra X-axis for even more speed
- Rotation axis for print head
- Exchangeable battery pack, changeover in 1 minute
- Feedback to ERP system



Control system:

- Windows 10 embedded
- Visual view of total bed
- Update starting point of next element
- Easy manual input of new elements
- View of full element, data from provided by data file
- All production data can be printed on top as well as on the side of the slabs

Markings:

- Lines in different figures.
- Cut lines.
- Text lines.
- Squares in different figures.
- Circles inclusive diameter as text..
- All kind text marks.
- Lifting hooks inclusive text marks regarding type.
- Angle cut line inclusive degree as text.
- Reinforce bars inclusive size as text.
- Helpful prints to check the quality after production and help the people at the building side.

Already connected to software/formats:

- Flooroffice.
- PXML
- HMS
- Tekla
- FloorCAD
- PreCAD
- Allplan Precast
- Unitechnik
- DXF



Concore has more than 25 years of experience in building plotters, during the years we are still market leader and have been developing to the state of the art plotter we have today!!