

EVA 1600

R&D 3D Concrete Printer

datasheet

innovation within reach

The EVA Mark 2 is designed to minimize floor space. At 2m x 2m x 2.65m it is an excellent fit to any R&D facility wanting to explore the potential of 3D concrete printing. This setup is small enough to do material tests, but large enough to test structural models. The small nozzle size and variable pump speed make it ideal for small scale testing. It is built for ease-of-use.

Printer + Pump

A special concrete mix is pumped and deposited by an industrial robot with millimeter accuracy. The pump produces between 1-6 litres per minute at variable speed.

Plug and play

No on-site installation is required. The machine can be used straight out of the box.

Compact

The entire setup can be installed on a floor space of 2m x 2m. This makes it very compact.

Also: it can be moved by a simple pallet jack.



Safety

Safety precautions must always be taken. The layout of these precautions must be designed with the final location in mind. Requirements may vary and are to be discussed before installation.

Electricity

This model is available with 230V! Which means it can run on a standard plug. It is also available with 380V.

Software + Material

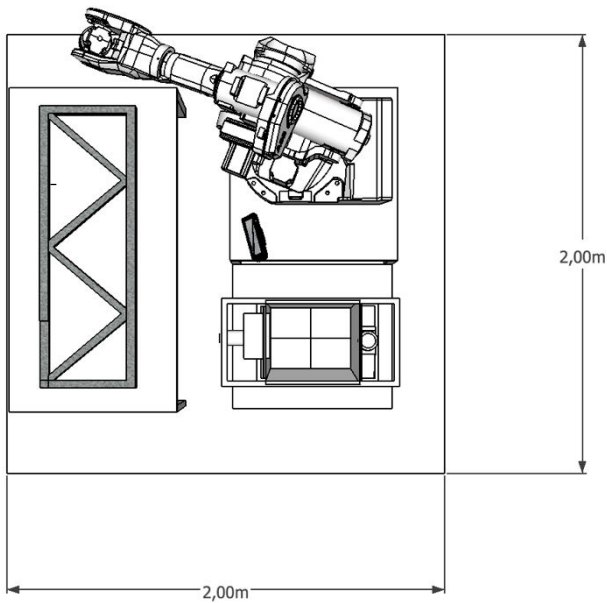
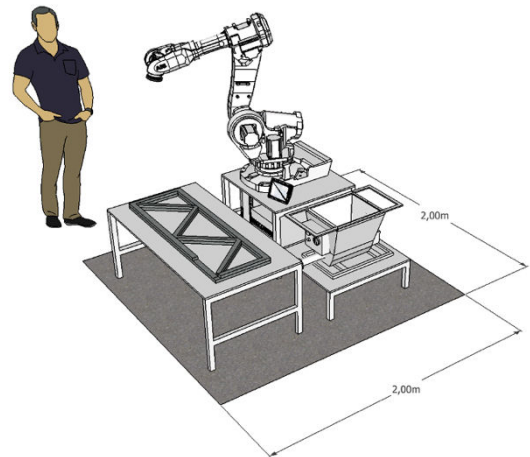
License free software provided for translating geometry to robot code.

The basic material recipe is also provided for free! This means you can make it yourself.

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Technical Information

	V	Hz	kW
Robot	200-600 V	50-60 Hz	0,58 kW
Pump	220-240 V	50-60 Hz	1,1 kW
Mixer	230 V	50-60 Hz	0,2 kW

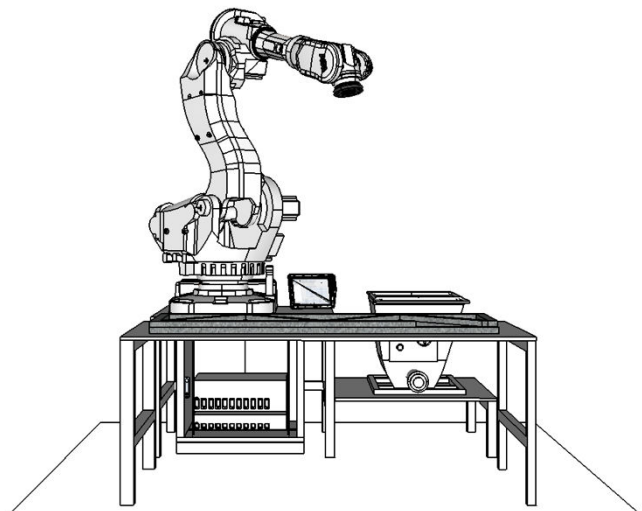


Specifications

	Installation
Height	265cm
Length	200cm
Width	200cm
Weight	650kg

General

- Reach of 1.45m
- 1.65m reach available upon request
- Payload: 10kg
- 1-6 litre per minute
- Variable pump speed
- 3-18mm layer height



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