

ROBOTICS

DecoRobot - Robotic Decoration Cell

Modular solutions for artistic artefacts



A new generation of artists is ready. DecoMaster: the easiest programming tool.

DecoRobot – compact solution for every need

DecoRobot is a new method for decorating artistic tiles. DecoRobot can reproduce the movement of the artist's hand, resulting in smooth and natural movements of the paintbrush. The robot programming is based on an innovative system which automatically acquires the paintbrush's trajectory without constrain. The paint process can also be optimized and productivity increased by tuning the paint speed.

The station is provided with the necessary functionality like product change, paint brush changer, color dosage system.

Solution for decoration of

- Tiles
- Dishes
- Tableware
- Plastic Toys
- Furniture

DecoRobot – Advantages

- Modular solution
- Graphical interface on ABB Flexpendant
- Graphical interface for programming
- Short delivery time



DecoMaster – The technology is getting simple

DecoMaster software records the movement of the designers' hand, including the paintbrush changes and color changes. An easy user-interface can reproduce real time movements. A specific algorithm filters them so that the robot can move smoothly. DecoRobot, using a dedicated webcam, can also take a picture of the final design and send it to the robot to help the operator schedule production.

DecoMaster – Advantages

- Optimized solution for the robot
- Automatic recognition of the paintbrush change and color change
- Integration between DecoMaster and FlexPendant app
- Customizations on request
- Knowledge of robot programming languages is unnecessary

Standard size	IRB140	IRB1600
Tiles (mm)	200x200	500x500
Available Paintbrush	6	10
Available color bowls	6	10
Other type of items (dishes, cups, toys, etc.)	On request	On request

Options

DecoRobot is available in two standard versions: basic and automatic, meet the needs of our different customers, from artisan company to high volume industry.

Functions	Basic	Automatic
Manual turning table	X	
Conveyor in-out		X
Color bowls without refilling system	X	
Color bowls with refilling system		X

ABB SpA
Via L. Lama 33
20099 Sesto San Giovanni (MI), Italia

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