

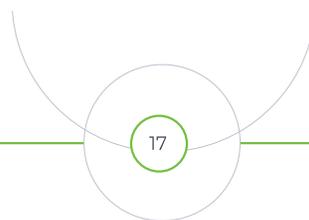
Da Vinci OB48 Robotic System



4 ROBOTIC ARMS & 8 MANNEQUINS WATER BASED CHEMICALS SPRAYING ROBOT

VAV Technology's expertise in denim industry forced us to create a complete and sustainable solution to water based chemicals applications in denim manufacturing facilities. We are proud to announce that we developed a new robotic system which can perform all the characteristics of a Water based chemicals worker.





KEY BENEFITS

Robotic Arms: The technology of universal type robotic arms acts as precise and flexible as a human being. Ability to move like a human body makes these robotic arms reach to any coordinate on the garment.

Learning Robots: The instruments we developed make robots learn easily. The smart idea is just copying the human behaviour. Thanks to "Clone Mac 10AX AN", your spray worker can record every parameter like arm motion, target coordinates, spraying distance, pressure and duration just in a few seconds. The recorded parameters can be easily modified between different sizes of garment.

Standardization in Production: When you once clone the spraying process with your "Clone Mac 10AX AN", you are sure that all the garments will be manufactured with the same quality standards.

Speed Up Your Production: With the combination of carousel system with 8 mannequins and 4 robotic arms there is no production delays and efficiency loses. Once you load and unload 4 mannequins the robots will be spraying continuously.

Sustainable World and Healthy Environment: With the cloned spraying parameters, you are sure that your process will consume the exact amount of chemicals defined in the prescription. Not more not less. With the help of integrated suction system and water curtains, collecting and disposing of excess chemicals are just the ongoing process by itself.

Human Health: The only employee who operates the Da Vinci is in charge of just loading/unloading. Spraying is done by robotic arms. Therefore, no employees are going to be exposed to hazardous chemicals.

FEATURES

- ▶ Fully automated robotic application for water based chemicals processes
- ▶ 8 Mannequins Spraying Robot
- ▶ Non-stop operation process with 4 mannequins always on duty
- ▶ Clones spray operators behaviour and transfers it to 4 separate robotic systems smartly
- ▶ Modifies cloned behaviour to different size and lengths via 3D editor
- ▶ No skilled operators required
- ▶ 4 Robotic Arms synchronously performing the same process steps
- ▶ High Sensitive Flowmeters (up to 1 gr) for spray amount control
- ▶ Water Curtains and Air Suction System
- ▶ Fast and sensitive rotation with powerful servo motors
- ▶ Compact and robust aluminium and stainless steel chasis&body design
- ▶ Easy to operate with compact and modern control panel
- ▶ User friendly design with sensors and barriers
- ▶ Easy maintenance and long service life
- ▶ Online troubleshooting and recovery with remote connection

BENEFITS

- ▶ High productivity and efficiency
- ▶ 1 or 2 operators per shift – >5.000 trousers/day
- ▶ Reduced energy and chemicals consumption
- ▶ Standardization and stable quality in production
- ▶ Easy to operate, no need for qualified operators and workers
- ▶ Low maintenance cost and long life
- ▶ Sustainable and environment friendly production
- ▶ Best solution for eliminating water based chemicals risk for human health
- ▶ High standarts and precautions for operator and environment safety