

## **Technoart Dance Show By Mitsubishi Electric Robot**

1/16/2015

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### **6-axis industrial robot surprises spectators by giving reactions to flexible dance figures like a human being**

Granted to Dogus University Industrial Automation and Robot Technologies Training Centre by Mitsubishi Electric Turkey in line with its target to assume a pioneering role in our country in terms of robot technology, the 6-axis industrial robot made a bedazzling technoart dance show. "Dance with Robot" show prepared by Dogus University Control and Automation Club and Dance Club was fervently applauded by spectators. Several different figures were exhibited during the performance made by the future engineers with Mitsubishi Electric robot. The 6-axis industrial robot which is capable of giving reactions to flexible dance figures like a human being helped a young man between two loves to find the true love in the dance show.

### **Things are easier than before with Mitsubishi Electric 6-Axis Industrial Robot**

Giving information about the 6-axis industrial robot, **Mitsubishi Electric Turkey Factory Automation Business Development Manager Tolga Bizer** says "Worthy of being used in high-speed systems also signified in its harmony with the dance figures, Mitsubishi Electric's 6-axis industrial robot creates added value in terms of freedom of action in addition to offering more precision and versatility with its double arm structure. According to the model, Mitsubishi Electric robots come with a carrying capacity between 2 and 20 kilograms ranging from 504 to 1503 millimetres. Operating in extremely narrow spaces does not create any problem for RV-F series nor does it lead to problems to mount robots on walls or ceiling. All systems are equipped with the same compact CR750 robot controller."

### **Other Properties of Mitsubishi Electric 6-Axis Robot:**

- **Increase in productivity:** Cycle durations up to 0,32 second with precision up to  $\pm 0,02$  mm. (cycle duration: the duration calculated according to 1 kg load, 300mm (horizontal) 25mm (vertical) distance)
- **Flexible operating area:** Spherical operating area between 504 – 1503 mm including back of the robot.
- **Protection class for challenging environments:** Standard IP67.
- **Hygiene:** Internal cabling is provided with clean room model (ISO-level III) for all cables and pneumatic lines.
- **Connectors:** Pneumatic and electrical blockers, Ethernet, USB, camera interface and two encoder connections, standard additional external axes up to 8, optional Inlet/Outlet and field bus expansion cards.
- **Direct Connection:** from Ethernet to ASAT operations terminals
- **Programming:** As a complete system including robot and controller or as PLC module for operating the robot with complete PLC functions on iQ Platform.
- **Teach Box:** Touch screen full graphic R56TB or R32TB.

### **Mitsubishi Electric Turkey offers robot technologies support to universities**

Last August, Mitsubishi Electric Turkey Factory Automation Systems granted high tech products, 6-axis industrial robot, motion control units and servo motors to be used in the laboratory of Dogus University Industrial Automation and Robot Technologies Training Centre established in cooperation with Mitsubishi Electric Turkey. Before that, Mitsubishi Electric Turkey granted a multi-purpose robot to Robot Training Centre in Bursa Technical University Faculty of Natural Sciences Architecture and Engineering. Besides, it sponsored the 8th ITU Robot Olympics (ITURO) in May 2014 as the "Golden Sponsor".