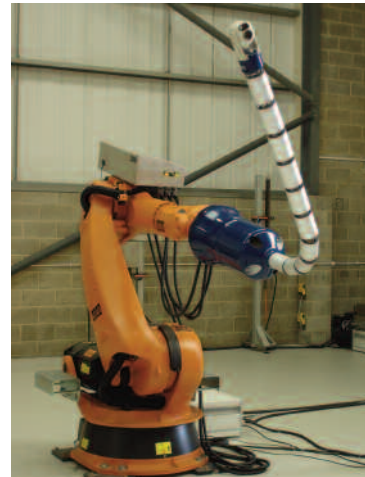




OC Robotics Case Study

OC Robotics is the world-leading commercial supplier of snake-arm robots. Snake-arm robots are flexible robotic arms that don't have prominent elbows, so they can follow their nose into confined spaces. The operator drives the tip of the arm around obstacles using a tip-mounted camera and the software controls the rest of the arm to follow where the tip has gone. A snake-arm robot is effectively a controllable endoscope, which can snake into awkward or cluttered environments to conduct real work.



OC Robotics was founded in 1997 in a garage in Henleaze, Bristol. Since then the company has outgrown its premises three times and now has 14 employees in two units in Abbey Wood Business Park in Filton.

Managing Director, Rob Buckingham says “When recruiting top people it is important to meet their expectations for an exciting, challenging career, but they are also looking for a great place to live. Bristol certainly fulfils the latter.”



OC Robotics is currently working with Airbus, also in Filton, to develop snake-arm robots to conduct in-wing assembly tasks such as swaging, inspection and sealant application. OC Robotics also has a significant number of customers outside the UK and currently 60% of OC Robotics' customers are US organisations. OC Robotics has developed their smallest snake-arm robot to date with the Defense Threat Reduction Agency, part of the US Department of Defense. The arm is 1/2" in diameter and coils into a portable, briefcase-sized box.

If you would like to find out more, then please visit our website at: www.ocrobotics.com. Or contact OC Robotics on +44 (0)117 3144700 or contactus@ocrobotics.com.

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