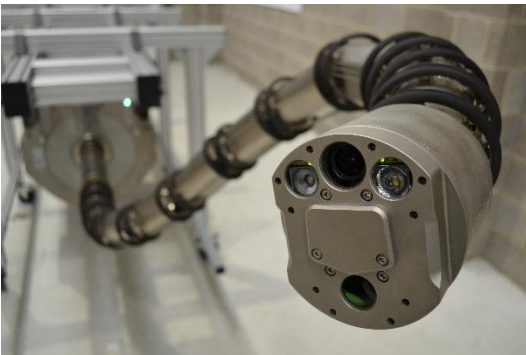


Series II - X125

Snake-arm robot Overview

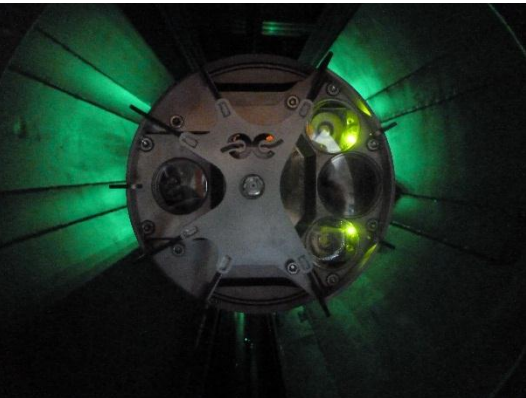


Highly Flexible

With 225° of cumulative bend and an independently controlled tip, this highly flexible snake-arm can perform essential tasks in areas beyond human reach.

Increased Payload

Through an extensive process of research and development, the Series II, X125 snake-arm has increased payload capacity from previous snake-arm designs.



Range of Tools

Complementing the snake-arm is a range of end effectors applicable to many different applications. These include cameras, lighting and high pressure water-jet cleaning heads.

Easily Maintainable

With through life costs in mind, the system has been designed with easily serviceable and replaceable parts.

Protective Sleeve

Designed to allow full range of motion, the snake-arm can be sleeved, providing protection from harsh or contaminated environments.



Proven Reliability

The snake-arm robot actuator packs have expected lifetimes of tens of thousands of hours, while the easily replaceable arms have been proven to have lifetimes in demanding industrial applications exceeding 4000 hours.

Series II - X125

Technical Specification

Arm

Articulated Length	1m - 3.1m
Rigid Extension Length	0m - 5m
Number of Links	12
Diameter (without / with sleeve)	125mm / 140mm
Degrees of Freedom	24
Total Cumulative Bend	225 degrees
Bend Angle per Link (maximum)	27.5 degrees
Bend Radius of Arm (configuration dependent)	160mm - 950mm
Payload	up to 10kg

Tool Options

HD Camera & Lights	5kW Laser Cutting/welding	High Pressure Water-jet Cleaning
Gripper	NDT Tools	Fastening Tools

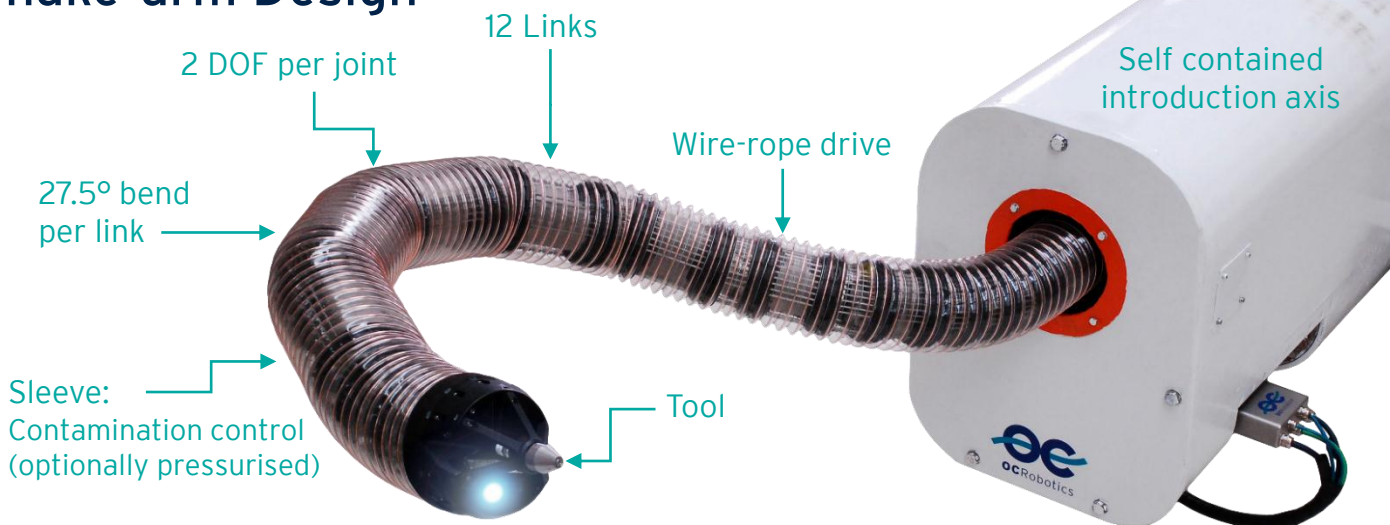
Introduction Axis Options

Linear Axis	Industrial Robot	Mobile Vehicle
-------------	------------------	----------------

Control Modes

Tele-operated	Path Planning	Scripted
'Nose-following'	Joint Control	Cartesian Tool Motion

Snake-arm Design



www.ocrobotics.com

+44 (0) 117 314 4700

contactus@ocrobotics.com

Unit 5 Abbey Wood
Business Park, Filton,
Bristol, BS34 7JU