

## LCR13 Series

### Linear Rotary Actuator

A new range of electric linear rotary actuator with only 13mm in width. The LCR13 is a stackable, compact direct-drive brushless servo motor. The precision Z-theta motion within one small actuator, providing a convenient pick, orient and place.

The vacuum-built-in shaft through the rotary motor is available to prevent dust build-up in the unit. The LCR13 can easily be programmed to control force/torque, position and velocity in all axes at the same time with feedback capability.



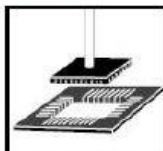
Patented SMAC's unique "Soft-Land" function enables the unit to gently land on a delicate component with a controlled force to avoid damage of both the component and the pick and place head.

Dimensions [mm]	75 x 155 x 13
Stroke [mm]	25 +1/-0
Peak Force [N]	7 @ 3A
Linear Encoder Resolution [ $\mu\text{m}$ ]	5 standard, 1 optional
Peak Torque [Nm]	0.047 (24VDC)
Rotary Encoder Resolution	6K or 24K/Rev

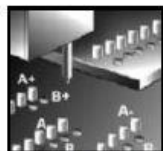
### Applications



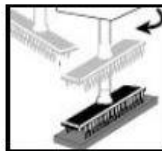
Pick, Orient &  
Press



IC Handling



Gauging & Sorting  
Parts



High Resolution  
Rotary



Chip Bonding