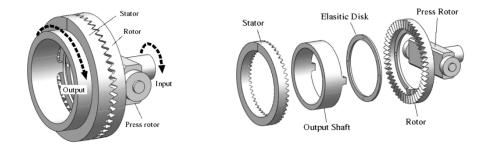


Development of the Low-Backlash Mechanisms of a robot

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Research Contents Low-backlash speed reduction mechanism Crown Reducer

Generally, low backlash mechanisms are required for robot joints to perform tasks accurately, so we are proposing a new concept of a low backlash reducer using precessing crown gears. We call it the crown reducer. The features of crown reducer are low backlash, high reduction ratio and ease of downsizing which we believe will contribute to the design of small mechanisms such as finger joints of robot hands.



Crown Reducer

Available Facilities and Equipment						

