

Unleashing the Potential of Ball Splines in Robotic Designs

Within the realm of motion system design, ball splines may not initially spring to mind when a need for complex, high-speed and multi-axis motion arises. However, by enabling both linear and rotary motion on a single shaft, ball splines deliver a host of benefits to robotic designs, including compactness, load capacity, speed and accuracy.



A recent article (also published in *Power Transmission Engineering*) covers all of these ball spline advantages and more as well as the various applications they are ideal for replacing robotic arms.

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