

# BADMINTON BIRDIE LAUNCHER

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## ABSTRACT

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The Badminton Birdie Projector is a mechanical machine that launch badminton birdie (shuttlecock) to various heights and directions on the court. The basic concept of this invention employs a pair of articulated counter rotating wheels for gripping and propelling the shuttlecock nose or cap member, a shuttlecock dispenser which positions shuttlecocks led in queue and a loading mechanism which simply pushes the queue shuttlecock into the gap of the rotating wheels thereby causing contact between the shuttlecock cap and the ejecting wheels. The objective of this machine is to stimulate most of the shuttlecock trajectories experienced in the actual playing of badminton. To achieve the foregoing objective, badminton shuttlecock machine is provided to permit delivery of successive shuttlecocks at different frequency, trajectory and speed in a desired direction of a player's court and which is of relatively simplified construction for economical manufacture and minimum cost of maintenance and repair.