

AN APPROACH TO ARRIVE AT POSSIBLE MECHANISMS FOR DEEP DRAWING PRESS

P. B. SHIWALKAR¹, S. D. MOGHE² AND J. P. MODAK³

1.Asst. Prof., 2. Assoc. Prof.; Dept. of Mechanical Engineering,

Shri.Ramdeobaba College of Engineering& Management, Nagpur-440 013, India.

3.Dean (R &D), Priyadarshini College of Engg., Nagpur and AICTE Professor Emeritus.

Abstract

Throughout the development of 'Mechanisms', 'Straight Line Motion' at the output has occupied the central stage. In the manufacturing sector Deep Draw Mechanical Presses and Bodymaker machines for the DI beverage cans are cited as examples of straight line motion mechanisms. A strategy is proposed to arrive at a class of kinematically acceptable mechanisms to select from. Supporting kinematic parameters (from velocity to Pop) are suggested to confirm the suitability of the selected mechanism for the particular application.