

Adaptive Clamp Width Adjusting Device

Abstract

[0028] The present invention describes an adaptive clamp width adjusting device (200) for use in an integrated circuit package process machine. The device (200) includes a travel component (210) and a fixed component (310). The travel component (210) carries a clamp (220a,220b) with an adjustable width and a rotary screw (230a) operable for such adjustment by a driven wheel (232). The fixed component (310), mounted on a base plate (312), includes a motor (320) and a drive wheel (324) attached to the motor shaft. When the device (200) is in a clamp width conversion station (40a), the travel component (210) is aligned above the fixed component (310) so that when the base plate (312) is raised and the drive wheel (324) engages the driven wheel (232), the clamp width is operable to be adjusted by the motor (320) according to a width of a workpiece (W).

[0029] FIG. 5A for publication.