

## ABSTRACT

For the purpose of providing a laminating apparatus capable of precisely controlling the stopping position of a pressing element for pressing a workpiece to manufacture a laminate with small variations in finished thickness, the laminating apparatus includes workpiece transport units, a vacuum laminating device (vacuum laminating device 20) and a flat press device (flat press device 30). The flat press device (flat press device 30) includes a ball screw 36 having a screw shaft 36a and supporting a first one of a pair of pressing elements (press blocks 31 and 31'), a servomotor 35 connected to the screw shaft 36a of the ball screw 36, a gap measuring device (linear scale 37) for measuring a distance between the first pressing element (press block 31') and the second pressing element (press block 31), and a pressing gap control system for moving the first pressing element (press block 31') to a position in which a predetermined gap is defined between the first pressing element (press block 31') and the second pressing element (press block 31) to stop the first pressing element (press block 31') at that position. The pressing gap control system changes the RPM of the servomotor 35, based on information on the distance between the first and second pressing

elements which is provided from the gap measuring device  
(linear scale 37).