

SYSTEM FOR CONTINUOUS MANUFACTURE OF OPTICAL DISPLAY PANELS,
AND METHOD FOR CONTINUOUS MANUFACTURE OF OPTICAL DISPLAY PANELS

ABSTRACT

A system for continuously manufacturing optical display panels includes a pair of first nip rolls for feeding a multilayer optical film downstream; an accumulating unit having a dancer roll downstream of the first nip rolls; a peeling unit for peeling off an optical film from a carrier film by inwardly folding back the carrier film; a pair of second nip rolls for feeding the carrier film downstream after the optical film is peeled; a take-up unit for taking up the carrier film on a roll downstream of the second nip rolls; a unit for feeding an optical cell; a bonding unit for performing a process including bonding the optical film to the optical cell to form an optical display panel while feeding the optical cell; and a distortion cancelling unit for reducing distortion generated in the multilayer optical film during the bonding of the optical film to the optical cell.

Figure 1