Title (en)

PROTECTIVE FILM PEELING MACHINE FOR PRINTED CIRCUIT BOARDS

Title (de)

MASCHINE ZUM ABLÖSEN DER SCHUTZFOLIE VON LEITERPLATTEN

Title (fr)

MACHINE DE PELAGE DE FILM PROTECTEUR DESTINEE A DES CARTES A CIRCUITS IMPRIMES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02055286A1] A machine peels a protective film (18) off a surface of a photoresist film laminated onto the surface of a printed circuit board (12), being the motion of the boards through the machine continuous. Such a condition is obtained in an effective manner by employing mechanical devices (2) for preventively degrading the adhesion along an edge zone of the laminated board (12) that, instead of acting onto the leading edge thereof substantially normal to the direction of advancement, act along two opposite lateral edges of the protective film (18), substantially parallel to the direction of advancement of the board through the machine, and are themselves a functional part of the board advancement system (conveyor). The mechanical devices (2) for degrading the adhesion along the two lateral edges of the protective film, eventually on both faces of the board, may be common knurls that act along the side edges of the protective film when the board passes at a substantially constant speed through the machine. According to the preferred embodiment, nozzles, (9, 10) suitable to blow air a relatively low pressure may be present in the separation gaps between two adjacent knurling wheels.

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