Blank packs: Theory of Operation

BLK | Blaide product line | 17 November 2026 | Design only: nothing built or tested

A blank is registered by pushing it into a fixed corner, so its squareness and size tolerance become part of the machine's accuracy until the camera measures the edges. Pre-coated boards remove the laminating step from recipe C. Flexible film is held flat by a frame so the height map and dispensing behave as on a rigid board.

Design

- 100 x 80 x 1.6 mm boards, edges square within 0.1 mm so the corner holder registers them
- Pre-coated packs: positive dry-film resist, light-tight sleeve
- Flex carrier: rigid frame the size of a blank with an 84 x 64 mm window and four spring clips; film sits on the bed through the window