What is claimed is:

Claim 1: A process for manufacturing a laminated article of manufacture, comprising the steps of:

cutting a plurality of registration holes in a sheet containing one or more arrays of outer layers for a plurality of laminated articles of manufacture;

mounting the sheet to a surface of a pallet having a plurality of bushings extending outwardly from the surface, each of said plurality of bushings having an outer diameter and an inner pin shaft, wherein the sheet is mounted to the moveable pallet so that each of the plurality of registration holes is held taut by the outer diameter of one of the plurality of bushings; and

moving the pallet with the sheet mounted to its surface through a plurality of process stations in which a plurality of operations are performed without removing the plurality of registration holes from the plurality of bushings so as to create a plurality of laminated articles of manufacture;

wherein the inner pin shaft of the plurality of bushings serve to receive a plurality of registration pins during the plurality of operations so as to provide registration of the sheet during said plurality of operations.

Claim 2: The process of claim 1, wherein the plurality of holes is comprised of four holes.

Claim 3: The process of claim 1, wherein the laminated article of manufacture is a payment card.

Claim 4: The process of claim 3, wherein the payment card is manufactured so as to comply with financial card manufacturing standards.

Claim 5: The process of claim 4, wherein an array is comprised of six outer layers.

Claim 6: The process of claim 1, wherein the plurality of operations are comprised of:

securing at least one electronic component to each of the outer layers in the array;

injecting a urethane material into a mold containing the sheet; and

separating each of the plurality of laminated articles of manufacture from the sheet.

Claim 7: The process of claim 6, wherein the operation of securing at least one electronic component to each of the outer layers in the array is comprised of the steps of:

applying an adhesive to a top side of the sheet; and

applying a completely populated flex circuit to the top side of the sheet.

Claim 8: The process of claim 6, wherein the plurality of operations includes adding a second sheet containing at least one second array of outer layers for a plurality of laminated articles of manufacture to the mold.

Claim 9: The process of claim 1, wherein one of the plurality of operations is comprised of a pick and place operation in which at least one electronic component is mounted to the sheet in a vacuum chamber in which a partial vacuum has been created before the electronic component is mounted to the sheet.

Claim 10: The process of claim 9, wherein pick and place operation is comprised of the steps of:

positioning the sheet on a surface located beneath a pick head holding at least one electronic component via a plurality of pick head guide pins which are extended outwardly from the pick head toward the sheet;

moving the pick head downwardly toward the sheet so that the pick head guide pins come into contact with a plurality of pick head holes formed in the sheet;

covering the pick head and the sheet with a vacuum chamber and then removing air from the vacuum chamber to create a vacuum;

lowering the pick head toward the sheet so that the at least one electronic component comes into contact with the sheet while there is still a vacuum in the vacuum chamber;

raising the pick head away from the sheet while the at least one electronic component remains in contact with the sheet while there is still a vacuum in the vacuum chamber; and

removing the vacuum chamber.

Claim 11: The process of claim 10, wherein the sheet has an adhesive on a top surface which comes into contact with the at least one electronic component.

Claim 12: The process of claim 10, wherein the plurality of pick head holes have a slot configuration.

Claim 13: A process for manufacturing payment cards, comprising the steps of:

cutting four registration holes in a sheet containing an array of outer layers for a plurality of payment cards;

mounting the sheet to a surface of a pallet having four bushings extending outwardly from the surface, each of said bushings having an outer diameter and an inner pin shaft, wherein the sheet is mounted to the moveable pallet so that each registration hole is held taut by the outer diameter of one of bushings; and

moving the pallet with the sheet mounted to its surface through a plurality of process stations in which a plurality of operations are performed without removing the registration holes from the bushings, wherein registration of the sheet during said plurality of operations is maintained by use of a plurality of registration pins received by two or more of said four bushings;

wherein the plurality of operations are comprised of:

applying a UV curing adhesive to a top surface of the sheet;

subjecting the top surface of the sheet to a UV treatment;

adding a completely populated flex circuit board to the top surface of each of the array of outer layers;

injecting a urethane mixture into a mold containing the sheet and a second sheet containing a second array of outer layers for the plurality of payment cards to form a laminated array; and

separating each of the plurality of payment cards from the laminated array.

Claim 14: The process of claim 13, wherein the pallet is physically moved between a first step in which the sheet is mounted to it and a second step when the UV curing adhesive is applied to the top surface of the sheet, between the second step and a third step when the completely populated flex circuit board is added, between the third step and a fourth step when the laminated array is formed, and between the fourth step and fifth step when the plurality of payment cards are separated from the laminated array.