

# Laminating Vacuum Press

## PHI -- The Worldwide Leader of Laminating Presses

PHI is the world's leading manufacturer of multilayer laminating presses. Exact mechanical accuracy, exceptionally precise controls and advanced operating features have made PHI laminating presses the first choice of printed circuit board manufacturers all around the world. PHI's technological innovations now extend to a complete line of new and advanced hydraulic vacuum laminating presses.

Optional Features of PHI's Laminating Presses The optional features of PHI's laminating presses include:

- Door actuation (manual or automatic)
  - Platen heating (electric or steam)
  - Manual hot transfer with cold press
  - Fully automated, computer-integrated automatic hot transfer systems
- PHI Laminating Presses -- Advantages of Vacuum Lamination Here's a look at some of the advantages offered by vacuum lamination:

- Higher quality multilayers
- Reduced air, moisture and volatile entrapment
- Lower laminating pressure
- Improved board thickness uniformity
- Reduced stress and warp
- Better layer-to-layer registration
- More lay-ups per load
- Potential reduction in prepreg material