

# LAYUP<sup>®</sup> 1

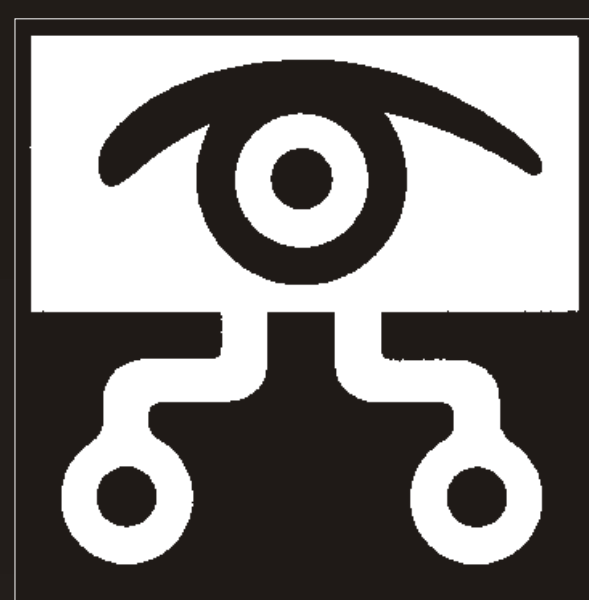
The fully automatic optical registration  
and pin-less multilayer layup line



  
Swiss Quality

- Lowest tolerances also for high layer count multilayers with more than 20 layers
- Misregistration of inner layers reduced to an average of 10 micron
- Only 6-8mm border necessary to fix with rivets
- Package thickness from 0,5 - 5,5mm
- High capacity production 35-40sec/8-layer
- Automatic set up for different sizes for the hole line
- Windows NT based statistical process control
- Suitable for all laminations techniques
- Optional flattening device for rivets for production with outside prepreg.

- The line consists of: (right to left)
- **Transfer unit**  
(from common cassette carriage with 5 or 6 carriers to the Dispomat)
  - **Dispomat A09**  
(Automatic dispenser for inner layer)
  - **Prepreg-Dispenser**  
(Automatic dispenser for prepreg sheets)
  - **Pre-centering unit**
  - **Lay-up station**  
(with 4 CCD-cameras to provide more accurate alignment)
  - **Continuous riveting unit**  
(Inline riveting or bonding)
  - **Automatic unloading unit**  
(unloading to common cassettes)



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