

Targomat III

The universal Measuring- and Production- Machine

- Inner layer registration drilling machine.
- Outer layer registration drilling machine.
- **OptimaTest** for high precision measurements of films, inner layers and layer shifting of laminated multilayers
- Registration hole drilling for electrical and optical testing
- Tooling hole drilling for routing and scoring
- Pin registration/packaging for drilling machine
- Tooling hole drilling for screen printing
- Reference hole drilling of films for registration



Technology advantage of the Targomat

- Modular upgrade possible up to a fully automatic line
- High performance.
- Highest precision, measurement accuracy $< 2,5 \mu\text{m}$
- Measurement data statistically stored
- Layers will be classified by tolerance range
- Universal machine for measuring and drilling of many different jobs in the PCB business
- Flexible panel size (setup time $< 1 \text{ min.}$)
- Large panel size 850 x 850 mm (33' x 33')
- Drilled hole-diameter tolerance $< 10 \mu\text{m}$ (enormous problems when punching: various thickness of the boards need different die clearance)
- Low tool costs (fast drill change)
- OptimaTest replaces expensive x-ray tester
- Very small footprint
- Extraordinarily good price performance rate