

High-speed Single Pin Insertion

CPU-Socket

Processes:

- Feeding of empty CPU-Sockets in Jedec Trays
- High-speed pin insertion into CPU-Sockets
- Automatic insertion depth adjustment
- Pin strip camera and "Socket camera" for early detection of geometric material deviations
- Camera for pin presence check
- Transport of sockets using workpiece carriers (WT)
- Manual or automatic loading and unloading of Jedec Trays possible

Technical Data:

- Insertion speed: 5500 pins/min (11 pins/stroke)
- Insertion depth tolerance: $\pm 0,025$ mm
- Grid of contacts on the socket 0,81mm x 0,47mm (> 6000 pins/socket)
- Insertion angle: 0 / 90 / 180°, servo-controlled
- Pin material thickness $\leq 0,05$ mm



Productivity

High-speed Pin Insertion
5500 pins /min



Flexibility

Insertion angle: 0/90/180°



Quality

Optical inspection of processes
with several camera systems

