

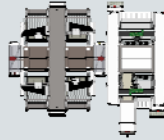
Value Calculation HighSpeed Production Example

Boundary Conditions

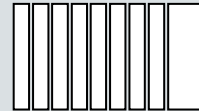
- OEM customer
- Production of IT board
- 1182 components per board
- High component mix from 01005 to large connectors
- Output per shift: > 500 boards
- 8 hours/3 shifts/6 days/50 weeks operation
- 5 years depreciation period

Solutions

SIPLACE
1 x SIPLACE X4i + 1 x SIPLACE SX2



NBA
8 x Small + 1 x Wide Competitor Modules



Total Cost of Ownership per Board

0.5760 €

<

0.7890 €

27% lower Cost of Ownership for SIPLACE!

Better Real Performance

due to better Line Balancing and High Component Mix at SIPLACE Multistar:

Bottleneck Elimination

- Broader component range
- Optimal line balancing capabilities
- Take over jobs of end-of-line modules
- More products in one setup family

One Head for all Applications

- Combining Collect & Place-mode and Pick & Place-mode

Best Quality

because of intelligent combination of advanced Vision System and Vacuum Sensors at Placement Heads:

Pickup of component

- Learning of pickup position
- Touchless pickup / standard pickup
- Individual Presence control after pickup

Processing of component

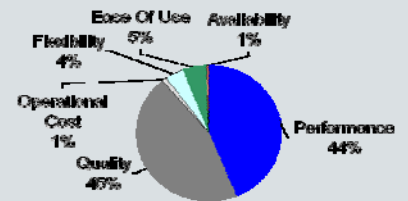
- Individual self-rotating segments
- Single measurement per Component
- Individual Component alignment

Placement of component

- Presence control before / after placement
- Learning of placement height
- Placement force control cycle

Easier Operation

- With new ergonomic and user friendly station software
- Less machine modules to be handled by operators (2 modules vs. 9 modules)



Reasons for Cost Difference