

Product Specifications

The AS-100-MAX will perform to the following specifications as delivered from the factory. Preventative maintenance, operator diligence and PCB material qualities can greatly impact the resultant score line.

| Measurement | Specifications (US) | Specification (Metric) |
|---|------------------------------|-------------------------|
| 'Y' Axis Positioning Resolution | ± 0.000050 inches | ± 0.00127 mm |
| 'Y' Axis Positioning Accuracy | ± 0.0004 inches | ± 0.01016 mm |
| 'Y' Axis Score to Score Accuracy | ± 0.002 inches | ± 0.0508 mm |
| 'X' Axis Positioning Resolution | ± 0.0002 inches | ± 0.00508 mm |
| 'X' Axis Positioning Accuracy | ± 0.005 inches | ± 0.127 mm |
| 'X' Axis Jump Score Accuracy (start/stop) | ± 0.100 inches | ± 2.54 mm |
| | ± 0.200 inches top to bottom | ± 5.08 mm top to bottom |
| 'Z' Axis Positioning Resolution | ± 0.000050 inches | ± 0.00127 mm |
| 'Z' Axis Positioning Accuracy | ± 0.0001 inches | ± 0.00254 mm |
| 'Z' Axis Scoring Accuracy (each side) | ± 0.001 inches | ± 0.0254 mm |
| | ± 0.002 inches on the web | ± 0.0508 mm on the web |

Note: The above machine performance specifications are at 0-100 FPM scoring speed, 0-50 FPM positioning speed (subject to score depth and base material).

| Feature | Benefit |
|--|---|
| Tooling Hole Registration | Accurate Alignment |
| Tooling Pins - 0.125" Diameter Standard | Other sizes available |
| Up to 100 FT/MIN Cutting 50 FT/MIN Positioning Speeds | Increased productivity and broader processing window |
| English/Metric and Absolute/Relative Programming | Flexible Programming modes for all users |
| Virtually unlimited Programs / Lines per Program | Large storage capacity of complex programs |
| Fully customizable password protection / user rights | Maintain security of system by user administration |
| Software - Windows Environment / Accu-Score Version 2.0 | Easy to learn - familiar, visually oriented and intuitive |
| Offline Programming option available | Networkable solution for CAM/Engineering departments |
| Panel size range 5.5" x 5.5" up to 24" x 24" (28" Optional) | Handles all common sizes up to and including large panels |
| Panel Thickness Range 0.020" to 0.125" (most cases) | Wide range of material thicknesses supported |
| First Score Line - 0.250" from tooling hole (0.187" Optional) | Allows for close scores which increases panel usage |
| Designed and Manufactured in USA from highest quality components | Customer commitment is built in |
| Clamping - Manual, Two (2) Corner | Simple operation, good stability for typical PCB's |
| Controller - IBM Compatible PC / 4-Axis DSP Controller | Fast, standardized, cost effective off the shelf components |
| Cutter Drive - Fixed, AC Synchronous Motors | Stable system results in overall accuracy and repeatability |
| X, Y and Z-axis drives - Closed loop servo motors | Full feedback for highest accuracy |
| Power - Single Phase 208-220 VAC, 50/60HZ 10A (30A breaker) | Low power consumption |