

# AS-512

## Vision Assisted CNC V-Score System

### Product Features

**Fully Automatic Operation:** The AS-512V employs a sophisticated machine vision system that is essentially transparent to the operator. While advanced technologies can often overwhelm operators, the AS-512V's AUTO-SETUP function integrates the intuitive software for which AccuSystems is known, with Cognex machine vision technology for an effortless job set-up methodology.

**Automatic/Manual Operation:** The AS-512V provides full automation, but not at the expense of manual operation. The AS-512V allows for ergonomically sensitive, efficient manual operation or fully automatic operation without the need to change the mechanical set-up of the system.

**Fully Enclosed Operation:** When the automatic mode is employed, the machine is completely closed providing for a major reduction in sound and dust particles released into the operator environment.

**200 FPM Feed Rate:** The AS-512V provides high throughput of up to 200 FPM V-Scoring feed rate. The PCB is moved through the cutting zone with accurate, uniform speed, which is fully adjustable via software control.

**Fixed Cutter Design:** Twin Z-Axis drive systems are mounted to the rigid steel frame to reduce vibration and simplify calibration, maintenance and construction of the cutter assemblies. Because the PCB is moved in the X and Y, and the cutters are fixed (except score depth control via the top and bottom Z-Axis) the stability of the system results in a dramatic improvement in the repeatability and overall accuracy of the finished product.

**Rigid I-Beam Construction:** The AS-512V's super structure is comprised of a rigid I-Beam base and a thick welded steel frame providing outstanding system rigidity and mass.

**Windows® Control Software:** AccuSystems' industry leading software control system provides for complete system control and nearly self-explanatory operation through the use of a graphical user interface. The system displays a board figure with representative score lines to reduce operator error, and stores past jobs for quick and easy retrieval and set up.

**In-Panel Beveling:** The AS-512V is capable of beveling gold fingers in panel form, with the use of special diamond tooling.

**Lifetime Software Upgrades:** AccuSystems will provide software upgrades at no charge. As improvements are made in the software that do not effect the functionality of the AS-512V, an upgrade disk will be made available at no charge.

**PC Based Control System:** AccuSystems uses the finest computer peripherals available for a highly reliable control center. The base system includes a high-resolution color monitor and pointing device that maximizes the benefits of the graphical user interface.

**On-site Installation and Training:** AccuSystems provides 4-5 days of on site installation and training to the pertinent customer staff. Installation includes initial turn on, testing and tuning of the system. Training includes theoretical and practical scoring applications and operations training. The customer must provide PCB's that are ready for scoring for 'live' training to take place. All training is designed to make the customer self sufficient despite the availability of outstanding support from AccuSystems. Customer is responsible for all travel and lodging expenses of the installer.

**Machine Crating:** Domestic crating provides quality crating for airfreight and/or air ride van shipping. Other crating is available and is quoted on a case-by-case basis.

**1-Year Factory Warranty with production back-up support:** AccuSystems provides an outstanding 1-year machine parts and labor warranty that contains a provision for AccuSystems to aid in your production should the machine be down for any period that affects the customers ability ship to product. AccuSystems' service bureau (Accu-Score Labs) will process panels at a nominal charge until such time as your machine is operational.