AVI In-Line Laser Marker with `No-Good' Stocker

This high speed fully in-line 20 watt YAG Laser Marker incoporates a bar code scanner and `no-good' buffer stocker. Marking speed inclusive of scanning is less than 4 secs per module or part. It marks on metal shield casing, PCBs and plastic parts. It can be used to mark text and graphics. For bar-code marking, the build in scanner scans the laser etch bar code to confirm its legibility. Parts with unreadable etched barcodes are automatically stored into the `no-good' buffer stocker.

The reverse use of this System is to scan the barcode labels of the products and then laser etched the readable barcode numbers onto the products. This is commonly used to prevent fraudulent warranty claims. The software allows the scanner to scan various types of barcodes into readable numbers Units with unreadable barcodes are automatically stored in the `no-good' stocker' No-good parts can be automatically retrieved.

Picture shows scanner, Laser firing head and `no-good' stocker

Features:

- High-speed marker with ‘ no-good’ stocker to minimize downtime.
- Scanner reader various types of bar-coding for process flexibility.
- Runs on Windows NT with interfacing to touch screen controller.
- Comes with viewing window for Laser firing and ‘no-good’ stocker.
- Choice of YAG (water cooled), or CO_2 or Diode pumps Laser.
- The software also includes Management Information like Quantity Run, Yields, Stored Bar-code traceability and many more.
- Build-in exhaust and filtration system.
- All doors/openings with safety interlocks.

Specifications:
Machine Dim: Lg. 1000mm x W900mm x Ht. 1500mm
Work Dim: Lg. 330mm x W250mm x Ht. 10mm
Cycle time: Average 4 sec (base on 14 characters marking)
Laser Source: NdYag, CO_2 or Diode Pump
Power: 220VAC/50Hz or 110VAC/60 Hz single phase.
Compress Air: Min 85 PSI-clean dry air
Options: Single in-Line conveyor system or mounted on x-y Table. Fudicial Board referencing via camera, SPC software, Management Software.