Catálogo

AccuLift

SMTVYS TECHNOLOGY

AccuAssembly
AUTOMATION · QUALITY ASSURANCE · PRODUCTIVITY SOLUTIONS

I N T R O D U C I N G

AccuLIFT

SMT COMPONENT REEL VERTICAL STORAGE AND RETRIEVAL SYSTEM

A C C U L I F T   S P E C I F I C A T I O N S

MODULE CONFIGURATIONS	DIMENSIONS (WxDxH) FEET	MAX REEL STORAGE: 7 IN. DIA.x8MM THICK REELS	MAX REEL STORAGE: 10/13/15 IN. DIA.x8MM THICK REELS	JEDEC TRAYS
Base Reel Storage and Retrieval Unit	5.5 x 7.4 x 9.2	3500	870	880
Base Unit with One Additional Vertical Storage Unit	5.5 x 7.4 x 12.95	5740	1430	1440
Base Unit with Two Additional Vertical Storage Units	5.5 X 7.4 X 13.7	8000	2000	2000

SYSTEM FEATURES

- Component Reels are Stored on Pallets
- Uses VLM (Vertical Lift Module) technology that has been used reliably to store and retrieve parts for many years
- Modular system, can expand vertically (to conserve floor space) as customer requires more reel storage and automation
- Multi-level operator reel loading/unloading station. Reel loading and unloading can happen simultaneously to reduce cycle time
- Automatic Barcode Scanning of All Reels on the Pallet
- Automatic reel thickness detection
- Output reel picking selection by LED lights
- Vision camera verification of correct reel removal
- Output reel sorting by job number, SMT line number, or by SMT placement machine
- Load/unload pallet cycle time is approximately 15-20 seconds

SOFTWARE FUNCTIONS AVAILABLE

- Flexible Software Interface For Integration with SMT placement equipment and MES/ERP
- Software interface uses plug-in concept
- Main control software for accuLIFT is completely separated from interface to maximize flexibility
- Real time management of components, reels and job orders
- Component traceabilty
- Notification when stock is low
- Control of component expiration date
- Maintain accurate inventory using centralized database
- Parts can be requested remotely from SMT production lines
- Interface with xray component counter

OPTIONS

MSD control
- MSD control of temperature and humidity for moisture sensitive devices
- Control to 5%RH on base storage unit only
- Automatic Label Applicator

Robotic workcell at operator reel load/unload station
- Automatic placing of reels on to pallet
- Places reels on multiple stacking units or multiple AGV's

COMPONENT REEL STORAGE PALLET

COMPONENT REEL TYPE	QUANTITY PER PALLET
7 in diameter x 8mm thick	32
7 in. diameter x 12, 16, 24, 32, 44 mm thick	16
10, 13, 15 in. diameter x 8 mm thick	8
10, 13, 15 in. diameter x more than 8 mm thick	4

SMTVYS™
TECHNOLOGY