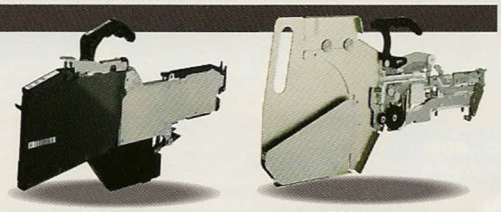
New type electronic equipment being evolved continuously.
The SMT supporting such evolution is required to advance in precision, efficiency and integration.
YAMAHA copes with further progress by offering series of "Next generation intelligent modular: YS series" and "Inspection machines for product quality / SMT line condition : YVi series" which have been newly developed and provides "JUST FIT SOLUTION" as well as "YG series" which has achieved satisfactory results and enjoyed the confidence of users.

Module concept

Common tape feeder

Usable commonly in each category, electric powered tape feeder mounter group or pneumatic feeder mounter group.



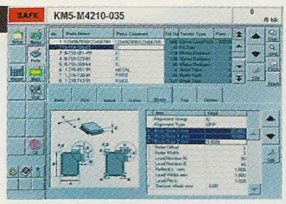
SS feeder　　FS2 feeder

Identical recognition system

Common use of not only the camera related hardware but also the recognition program enables component data to be transferred easily and controlled as centralized in the library.

Standardized interface

All machines use the same application program and same data format. Together with the display using G.U.I., they configure an easy-to-use "man-to-machine interface".



Compact machine size/Interchangeability

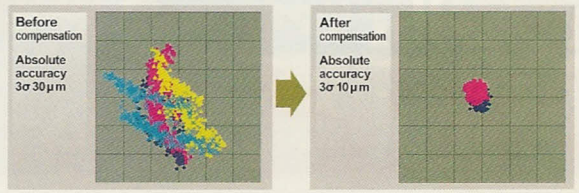
Adjustable to changes in production volume, types of products, shift of items and production mode with flexibility and agility.
Inter changeability for the feeder carriage and various options also assured.

Pursuit of high density SMT

YAMAHA's original High performance [Multiple Accuracy Compensation System : MACS]

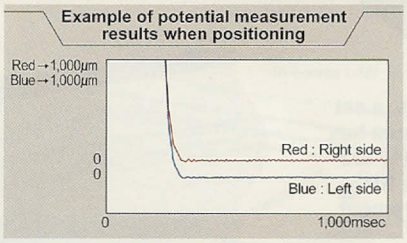
In order to achieve high accuracy mounting MACS is adopted. This system has a function to grasp the elements of the machine that affect the mounting accuracy organically and make overall and multiple adjustment for compensation. It is fully usable in the heat cycle environment (repeated temperature fluctuation between morning and afternoon or daytime and night time). The automatic feedback function serves to maintain the initial accuracy against the secular change.

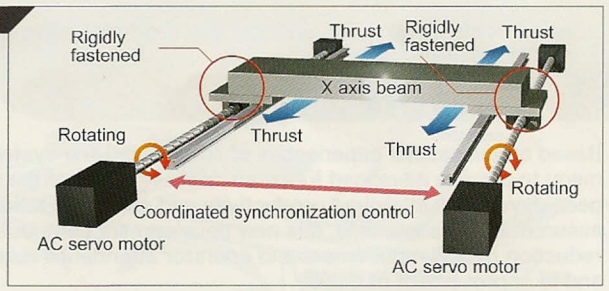
Comparison of absolute accuracy



YAMAHA's original Fully rigid dual drive (patent pending)

With both ends of the X-axis beam securely fastened by two highly rigid ballscrews, it is controlled by two powerful serve motors with coordinated synchronization function. As this system requires less positioning time and has improved acceleration performance, it contributes to high speed performance.



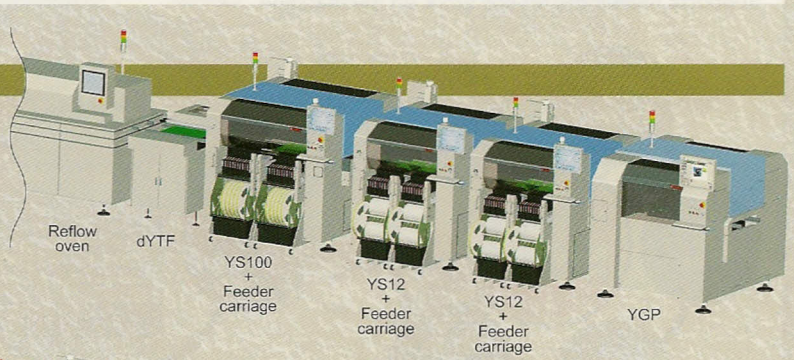


Intelligent, multi-functional general purpose line

" The next generation intelligent modular" functions with flexibility and agility in any production mode as the true utility player while achieving the excellent throughput.

Capable of handling large size PCB and large size components owing to intelligent, general purpose oriented characteristics
Production capacity 65,000CPH
(0.055 sec/CHIP Equivalent)

Note : This is an estimate value based on the general type PCB and not a guaranteed value for any individual PCB.



Ultra high speed mass-production line

Ultimate mass production capacity at outstanding high-speed achieved by triple combination of Ultra high-speed chip shooter and high-speed mounter.

Consumer products oriented mass-production type
Production capacity 180,000CPH
(0.02sec/CHIP Equivalent)

Note : This is an estimate value based on the general type PCB and not a guaranteed value for any individual PCB.