

News Release

Release of the New Yamaha Σ -G5S II Premium Modular Mounter, Rotary head design for a “1-head solution” with both high speed and versatility Improves productivity by approx. 20% with mounting speed of 90,000 CPH



Premium modular mounter “ Σ -G5S II”

Yamaha Motor Europe announces the April 1, 2018 release of the new Σ -G5S II, a surface mounter model that further improves upon the Σ -G5S premium modular mounter that achieved both high speed and versatility, and caters to various components with its rotary head design based on our “1-head solution” concept.

The Σ -G5S II retains all the features of its predecessor, including the high-speed high-accuracy rotary direct-drive head, the overdrive motion for highly efficient production by picking up components from either the front or rear feeder on the machine, and the Super Loading (SL) feeder that facilitates splicing-less*1 component supply. It also gains new head designs, an improved PCB feeding sequence, an enlarged internal buffer size for feeding larger PCBs and more to improve productivity. Additionally, its mounting speed of 90,000 CPH*2 (under optimum conditions)*3 represents an improvement of approximately 20% compared to the Σ -G5S.

Quality has also been improved by extending the detection range of components held by the mounter to immediately before placement. In addition, reliability has been further enhanced due to better balance for the beam motors to bolster stability, lower internal temperature by improving cooling performance, extending the service life of important components like the high-speed multi-purpose head and more.

- *1: Eliminates the need to splice new tape to the existing tape being used when feeding components into the tape feeder, the device feeding electrical components.
- *2: CPH (Chips Per Hour): Total number of chips that can be mounted per hour (unit time). Indicates processing capacity under various conditions.
- *3: Mounting capacity (CPH) under optimal conditions using a 2-beam high-speed multi-purpose head x 2

ABOUT YAMAHA SMT Section

Yamaha Surface Mount Technology (SMT) Section is a subdivision of Yamaha Motor Robotics Business Unit in Yamaha Motor Corporation. Yamaha surface mount equipment is highly acclaimed in the market for their "module concept" that enables them to keep pace with the trend toward smaller and more diverse electric/electronic parts being mounted on circuit boards.

Yamaha SMT Section has created a strong business in the surface mount industry that enables design and engineering, manufacture, sales and service to be conducted in one comprehensive system. Furthermore, the Company has used its core technologies in the areas of servo-motor control and image recognition technology for vision (camera) systems to develop solder paste printers, 3D solder paste inspection, 3D PCB inspection machines, flip chip hybrid placers and dispensers. This allows Yamaha SMT Section to offer a full line of machines for electric/electronic parts mounting and propose optimum production-line makeup to answer the diversifying needs of today's manufacturers.

Yamaha SMT Section has sales and service offices in Japan, China, Southeast Asia, Europe and North America provide a truly global sales and service network that will safeguard best in class on-site sales & service support for clients.

www.yamaha-motor-im.eu

Contact:
Oumayma Grad
Marketing Communications Manager
Yamaha Motor Europe N.V.
German Branch Office,
IM Business

Mobile: +49-151-70233297
Phone: +49-2131-2013538
Fax: +49-2131-2013529
oumayma.grad@yamaha-motor.de

Yamaha Motor Europe N.V.
German Branch Office,
IM Business
Hansemannstrasse 12
41468 Neuss · □ Germany
www.yamaha-motor-im.eu