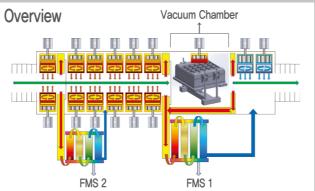
VACUUM REFLOW **TRV - SERIES**

World best productivity!! (Realized Lowest Tact Time) Doubled Production Tact Time achievable with Twin vacuum system (Min 30 sec \rightarrow Min 15 sec) Optimized TWIN VACUUM REFLOW for Mass production line!!!

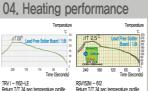






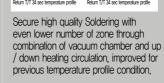
- ► Two Vacuum chamber + Two ovens, independent operation
- Reduction of production line space with compact design
- ▶ Independent system for each lane (temperature setting per lane, production available with one lane when one lane is PM)

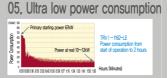
)1. E	ffect of v	vacuum fu	unction
Solder	N₂ atmosphere	N/2 atmosphere + vacuum	Void reduction
ompany A SAC305			20.3%3.2% 16.4%2.4% 1/6 or less
ompany B SAC305			11.8%→1.9% 9.1%→0.4% 1/9 or less
Company B void cuntermeasure			8.8%-0.7% 3.5%-0.6% 1% or less
Combi	nation of he	eating up he	at wind



circulation and vacuum reduces occurring Void despite of large space soldering,

02, Effect of reduction of Void





06. High insulation specification

Secure forming fine fillet with thin and Realize ultra low power consumption event solder thanks to reduction of through "RO" lightening main body Void and effect of self alignment from and high insulation and saving of energy, CO2 and electricity cost,

03. PCB transferring system optimized for in-line production

swelling and twisting.



Combination of the low thermal conductivity, doubling insulation materials, resinification of insulation cover and ultra low power consumption of electricity enables dramatic reduction of energy and CO2



Specifications

Name of Models	TRV I – f612–WD	TRV I – f612–LE	TRVⅢ- a612WT	TRVⅢ- a612LT	Name of Models	TRV I – f612–WD	TRV I – f612–LE	TRVⅢ- a612WT	TRVⅢ- a612LT
Heating (zone)			6		Outer width	1,510)mm	2,525mm	2,365mm
Vacuum (zone)	1		Outer height	1,550mm					
Cooling (zone)	2		Height of passing parts	Upper 30mm / Lower 30mm					
Voltage		3Ø	380V		Width of control panel	100~330mm	100~250mm	100~330mm	100~250mm
Heating temperature		Max	350 °C		Length of control panel	100~250mm	100~330mm	100~250mm	100~330mm
Degree of vacuum		1~1() kPa		Height of remand		900~920mm	(STD 900mm)	
Consumption capacity of nitrogen		300~4(00 l /min		Collection of Flux		Standard mou	unting (2 FMS)	
Outer length	5,406mm	6,286mm	5,406mm	6,286mm	Option	Roller mounted	rail / large size c	hamber / 3Ø 380	V other voltage

* Product specification indicated on this page may changeable without notice in advance for product improvement or company's internal situation.



TSM : Single Ass'y structure combined for each UNIT enables one touch separation, exchange and re operation, able to extend Flux PM period by applying 2FMS on recent equipment,

ETC: Highly perform on collecting Flux thanks to deploying dust collection UNIT, respectively per preheating, heating and cooling process and easy access on cleaning with cleaning liquid due to separating filter each box,

08, Vacuum Chamber



Effective degree of vacuum with complete close vacuum chamber enables to control and reduce Void effectively.

09. Filter Unit



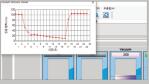
Protect Flux contamination of Vacuum Pump through multi-staged filters and realize simple cleanin

07. Collecting System of Flux (TSM) 10. Controlling degree of a vacuum with three stage

 1 BRAD (#)	
Real vacuum Pre vacuum	8
Line v	
High U	0
Parge	

Flexibly handling control of degree of a vacuum with multi stage control according to characteristics of product.

11, MMI realization function of degree of a vacuum graph (Option)



Able to monitor degree of a vacuum with its graph on MMI monitor,

12, RPMS: indicating a number of spinning MMI function for all zone B/M rpm (Option)



Visualize a number of spinning blower motor fans in real time. Alert with alarm if out of setting order caused by an error of its motor