

# Accelerated-aging Testers for Laminated Woods

For Vacuum-Pressure Soak Test and Steaming Test  
 Least time consuming method for evaluating the adhesive properties.  
 We offer three types of testers to meet your requirements.



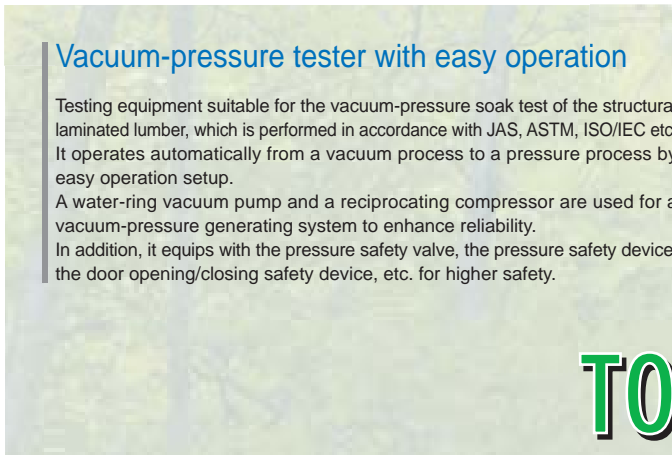
## Multi-purpose testing equipment for the vacuum-pressure soak test and the steaming test.

The multi-purpose accelerated-aging tester which is capable to perform not only the vacuum-pressure soak test but also the cyclic steaming test of structural laminated lumber or plywood, which is carried out in accordance with JAS (Japanese Agricultural Standards), ASTM (American Society for Testing Materials), ISO/IEC etc.

The large time shortening from the conventional continuous boiling test can be expected.

The chamber material is stainless steel, and the lid clamping system adopts the safe and sure eyebolts mechanism.

In addition, since the over-heat prevention device of heater, the over-pressure prevention device and the pressure safety valve are mounted, it is the equipment with high safety.



## Vacuum-pressure tester with easy operation

Testing equipment suitable for the vacuum-pressure soak test of the structural laminated lumber, which is performed in accordance with JAS, ASTM, ISO/IEC etc. It operates automatically from a vacuum process to a pressure process by easy operation setup.

A water-ring vacuum pump and a reciprocating compressor are used for a vacuum-pressure generating system to enhance reliability.

In addition, it equips with the pressure safety valve, the pressure safety device, the door opening/closing safety device, etc. for higher safety.



## T0-506H



## Compact steaming tester

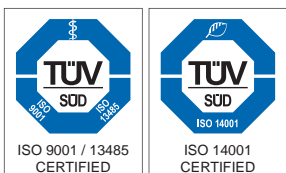
Testing equipment suitable for the cyclic steaming test of plywood that is performed according to JAS, ASTM, ISO/IEC etc.

If compared with a continuous boiling test, it is a compact testing equipment with which large time shortening and a reliable test result are obtained.

The chamber material is stainless steel, and the lid clamping system adopts the safe and sure eyebolts mechanism.

In addition, an over-pressure prevention device, a pressure safety valve and a boil-dry protection device etc. are equipped for higher safety.

## PC-305 III



Products shown in this brochure are manufactured by the company, ISO 9001 / 13485 / 14001 certified.

## ■ Specifications

MODEL	TOPC-305Ⅲ		TO-506H	PC-305Ⅲ
	Vacuum-pressure test	Steaming test		
Outer dimensions(mm)	1200W x 550D x 1010H		895W x 1172D x 1535H	750W x 550D x 1050H
Effective chamber size (mm)	300Φ x 340D		500Φ x 650D	250Φ x 340D
Weight (approx.)	150 kg		500 kg	100 kg
Power source	AC200V, Single phase, 15A		AC200V, 3-phase, 15A	AC200 / 220 / 230 / 240V, Single phase, 15A
Working pressure range	vacuum : -0.084MPa, pressure : 0.19~0.539MPa	pressure : 0.19~0.490MPa	vacuum : -0.085MPa pressure : 0.51MPa	0.019~0.49MPa
Working temperature range	—		105~158°C	—
Pressure control system	2-point control	—	2-point control	—
Test humidity range	—		—	100%RH only
Temperature control system	—		PID control	—
Timer	999.9 hr. count-up timer		99hr 59min. count-up timer	0.1~999.9 hr
Continuous test time	—	—	—	500 hr.
Process control system	—	—	Programmable controller	—
Vacuum system	Water-ring vacuum pump	—	Water-ring vacuum pump	—
Pressurization system	Reciprocating compressor	—	Reciprocating compressor	—
Working gas	Air	—	Air	—
Working water	Demineralized water		Demineralized water	—
Instrumentation	Pressure	Analog	—	Analog
	Temperature	—	Digital	—
	Timer	Digital	—	Digital
	Cycle counter	Digital	Digital	—
Heating system	—	3kw sheathed heater	—	—
Lid clamping system	By eyebolts		Clutch type door with ratchet handle	By eyebolts
Pressure vessel standard	Small pressure vessel		2nd class pressure vessel	Small pressure vessel
Material	Chamber	Stainless steel SUS304		SUS304
	Lid	Stainless steel SUS304		SUS304
	Top panel	Stainless steel SUS304		—
Safety devices	Safety valve, Pressure switch, Low water cut off device, Leakage breaker, Fuses,		Safety valve, Pressure switch, Low water cut off device, Leakage breaker, Fuses, Door safety, device,	Safety valve, Pressure switch, Low water cut off device, Leakage breaker, Fuses,
Supplied accessories	Power cable x 1, Heater cover x 1, SS Wier Basket x 1		Power cable x 2, SS Specimen basket x 1, Cart x 1	Power cable x 1, Drain hose x 1, Heater cover x 1, SS Wier Basket x 1

## ■ Optinal accessories for PC-305Ⅲ



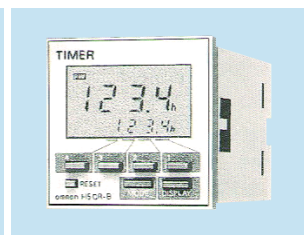
Safety lid cover



Wier basket



Temperature recorder



Auto starter

Specifications and appearance are subject to change without notice due to continuous product improvement.



Manufactured under  
ISO 9001 / 13485 / 14001

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