

VACUUM INSULATION PANEL MANUFACTURING DEVICE

ABSTRACT

5 A miniaturizable vacuum insulation panel manufacturing device
is provided. In this vacuum insulation panel manufacturing
device (2), a vacuum insulation panel (11) is manufactured by
wrapping an insulating core member (10) with a packaging
member (20, 30) in which an evacuation port (32) is provided,
10 applying a vacuum to evacuate inside of the packaging member
(20, 30) from the evacuation port (32), and sealing the
evacuation port (32) with a sealing member (60), wherein this
vacuum insulation panel manufacturing device is provided with:
a chamber (210) with an opened bottom; a chamber evacuation
15 hole (215) provided in the chamber (210); a quartz glass
window unit (214) provided in the top of the chamber (210); a
holding unit (251) which can hold the sealing member (60); a
lifting mechanism (250) which raises/lowers the holding unit
(251); a frame member (301) which holds and raises/lowers the
20 chamber (210); and a laser welding unit (300) provided outside
of the chamber (210).

Figure 6