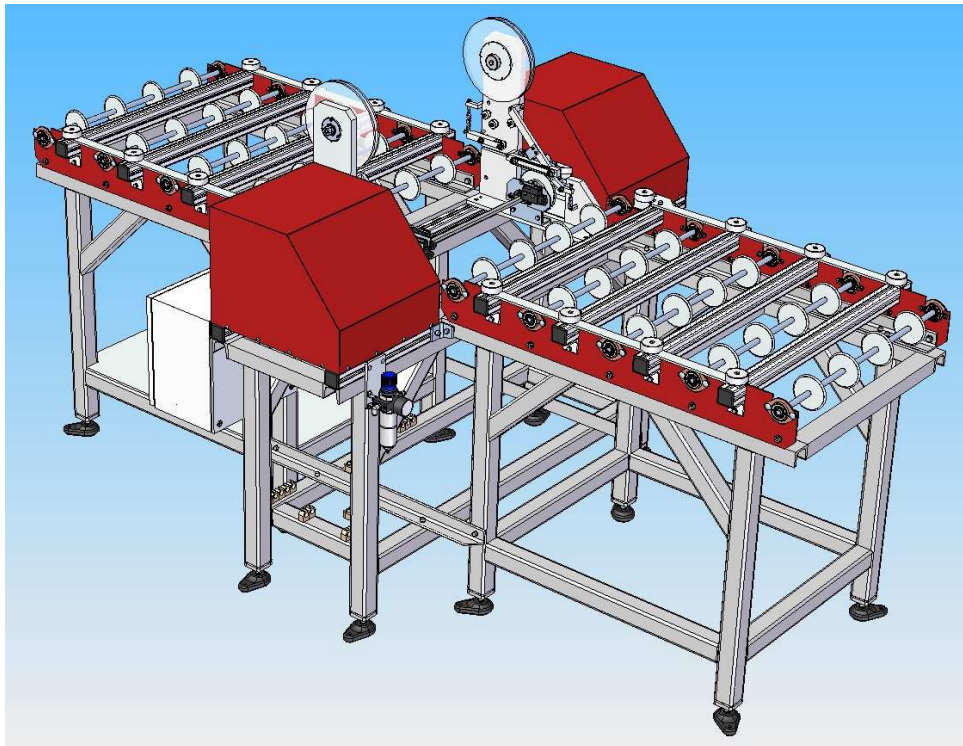




ASUB-12 – Ultrasonic Bonding System

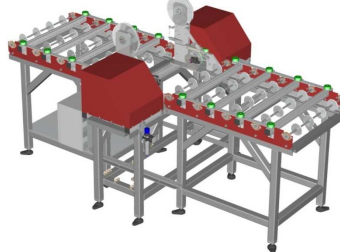
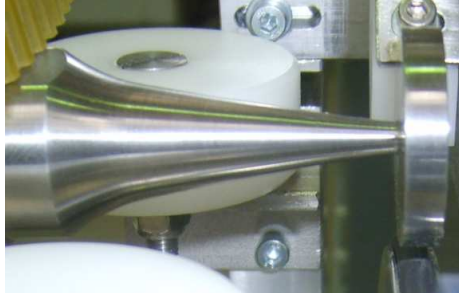
The Ultrasonic Bonding System (ASUB) is a welding machine for photovoltaic module production lines. The electricity generated by the module is collected and driven to two connection wires. The aluminum stripes collecting this voltage is welded to the module by the ASUB. A crosswise stripe is also mounted leading to the connection wires.



The Ultrasonic Bonding System (ASUB-12)

A simple machine with a simple way of operation – place the panel on the leading roller table, push under the welding head, and the machine does the rest. Contact sensors detect if a new panel is present and initiate the transport mechanism and the welding. The transport mechanism moves the panel while harmless-to-human ultrasound is used to weld the aluminum to the glass.

ASUB-12 – Ultrasonic Bonding System



Specifications

Power:	600 W
L × W × H:	2400 × 1400 × 1300 mm
Mass:	315 kg
Workpiece:	1245 × 635 mm (thickness: 3.0 ~ 3.3 mm)
Cycle time:	<2.5 min including center contact alignment
Aluminum foil width:	5 ~ 7 mm
Operating frequency:	nominal 50 kHz

Features

Variable workpiece width
Adjustable gap of welding from the edge of the work piece in a range of 5 ~ 15 mm
Welding simultaneously on both the left and the right side
Automatic feed of aluminum foil
Automatic workpiece transport mechanism
European CE-compatible