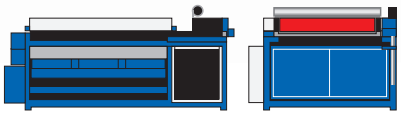
Asahi AWF 110 - Processing equipments

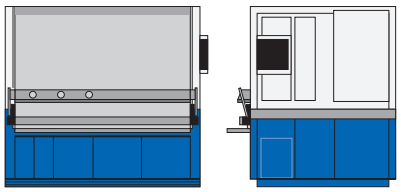
Systems for APR™ Plate Making



AWF 110 E *Laminating/exposing unit*

Lamination/exposure processes › All functions and process sequences of the unit can be input and checked via a programmable controller and visualized on a coloured display. **›** APR™ plates can be laminated to individual thicknesses of 1.7-8.0 mm, with increments of 0.01 mm. **›** Lamination of flexo plates with thickness tolerances of +/-30 µm < 3.94 mm; +/-40 µm > 3,94 mm is ensured. **›** The upper lid of the AWF 110 E unit opens to the rear, with the aid of a motor drive. **›** A light-metering device provides the basis for consistency of exposure results. **›** A capping system, available as an optional extra, allows laminating two photopolymer resins of different Shore hardness, one layer on top of the other.
Postexposure section (Finishing) › The APR™ plate receives its UVA/UVC light post treatment submerged in water. **›** Two digital timers provide the exposure cycle control. **›** The UVC tubes automatically switch off if the drawer is opened before the end of the exposure process.

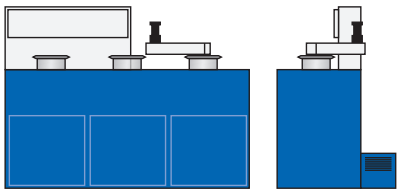
Plate size	762 x 1270 mm
Machine dimensions (L x W x H)	3100 x 2330 x 1340 mm 2150 (H) lid open
Weight	500 kg



AWF 110 W *Processor*

AWF 110 W processing system consists of three sections operating independently of each other. Plate transfer from one module to the next is a manual operation. To ensure trouble-free operation, the plate is fastened to a holding bar which is hooked into the working section in question. Liquid photopolymer recovery The recovery process is automatic. The unpolymerized photopolymer is removed from plate surface and protective film with a rubber squeegee – hot air supporting the process. The APR™ photopolymer thus recovered is collected and remixed with the APR™ liquid photopolymer for further processing in the AWF 110 T unit.
Washer: The plate is washed out in vertical position. The aqueous wash-out solution is sprayed on the plate surface through nozzles, ridding it of liquid photopolymer residue. The rinsing sequence makes the plate ready for the finishing process.
Dryer: The plate is dried in vertical position. A 55°C hot air flow created by 6 fans makes the drying fast and efficient.

Plate size	762 x 1270 mm
Dimensions (L x W x H)	2010 x 1660 x 1860 mm
Weight	1400 kg net



AWF 110 T *Photopolymer supply tank*

To ensure continuous working there are three supply tanks combined in one equipment unit. Two base photopolymer tanks with a volume of 90 l each and a capping-photopolymer tank with a volume of 18 l incorporated in one unit provide sufficient capacity for continuous working. All photopolymer tanks are equipped with level sensors and dedicated heater. The base photopolymer tanks are equipped with an agitator.

Recycled and fresh APR™ photopolymer are therefore mixed homogeneously and without any problem. An air-controlled pressure system ensures a uniform flow of photopolymer between photopolymer supply tanks and laminating bucket of the AWF 110 E.

Dimensions (L x W x H)	1750 x 850 x 1350 mm
Weight	500 kg net