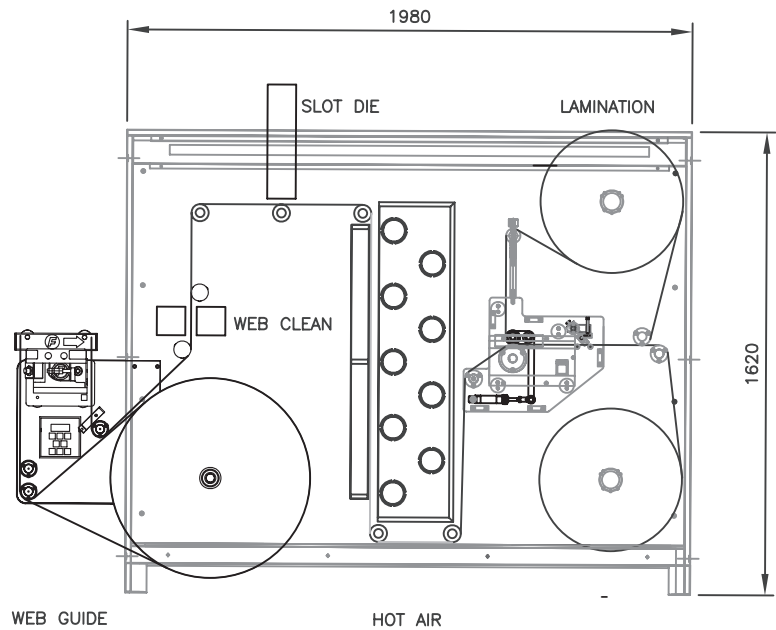




GM Solar-2 Coater/Laminator

**Modular unit based on
standard industry components**



Grafisk Maskinfabrik, GM, has been building roll-to-roll and roll-to-sheet machines since 1975. GM aims to provide the best-engineered and cost-effective solutions for both production and development applications. With over 20 different models GM covers most processes in roll-to-roll production.

GM has been working with RISØ DTU to provide a machine platform for RISØ DTU's slot-die coating head. The Solar-2 machine is a combined slot-die coater with hot-air dryer and lamination machine. Having both capabilities in one machine offers a compact and cost-effective solution to solar-cell production and development.

- **Solar-2 specifications**

Compact foot print 1980mm x 1620mm x 1000mm (w*h*d)

RISØ-DTU Slot-die head with optional automatic guiding and ink pump

13" / 330mm industry standard web width

3" / 76mm pneumatic spindels

Splice table with pneumatic clamps

Modular platform - many options: Die cut, screen, Flexo, UV curing, Corona modules etc.

Based on industry standard components (BST, Lenze, Panasonic, Galil motion, QSI)

Speed range 0.1-32m/min

Servo driven for smooth web transport

Powerful 2 meter 18kW hot air system

Build-in razor knife box for side trimming / roll slitting

Open platform. Source code for control PLC free.

Remote access via internet connected PC for service

