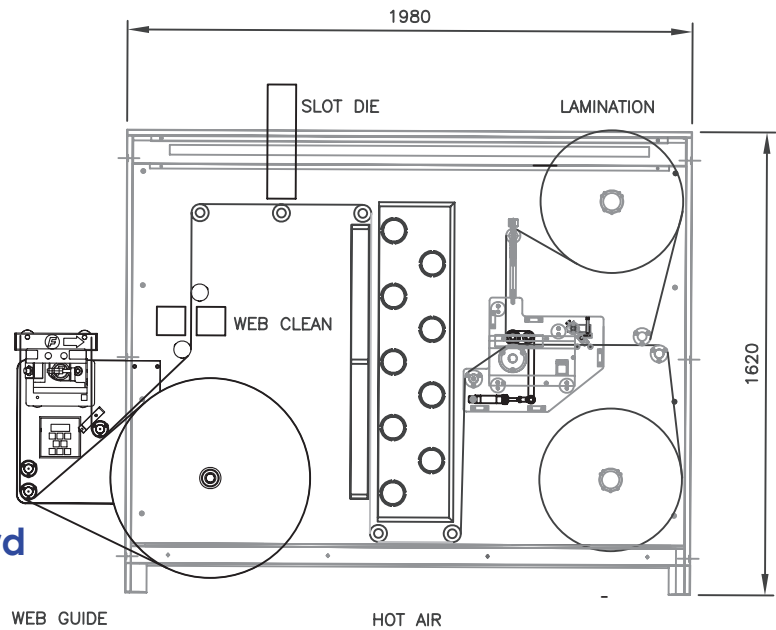




GM Solar-2 Coater / Laminator

**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 specification**

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

RISØ-DTU Slot die head with optional automatic guiding and inkpump

13" / 330mm industry standard web width

3" / 76mm penumatic spindels

Splice table with penumatic 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)

High speed range 0,1-32m/min

Servo driven for smooth web transport

Powerfull 2 meter 18kW hot air system

Build-in razor knifebox for side trimming / roll slitting

Open platform. Source code for control PLC free.

Remote access via internet connected PC for service