VCML Lab/Pilot Coater

The VCML is designed to print, coat and laminate all types of flexible webs such as papers, films, and metallic foils on a reel-to-reel basis. With the ability to apply various coatings such as inks, paints, varnishes, adhesives both solvent and water based, by various application methods, this makes the VCML particularly useful for product development, quality control and small scale production for low volume of a specialised product.

FEATURES

- Touch screen control system with graphical set-up and operating instructions
- Servo drive with a speed range of 1—70 m/min.
- Rigid aluminium framework
- Integrated electrical and pneumatic controls
VCML SPECIFICATIONS

- Web width up to 300mm
- Rigid aluminium framework 2.5 m (L) x 1m (W) x 1.8m (H)
- Cantilevered unwind and rewind.
- Head mounting station with tray lift and trough.
- Laminator station with adjustable pneumatic nip.
- Servo drive with a speed range of 1—70 m/min.
VCML Lab/Pilot Coater

**TOUCH SCREEN CONTROL SYSTEM**

![Touch Screen Control System Image]

**VCML APPLICATIONS**
- Meter Bar
- Gravure
- Direct Gravure
- Reverse Gravure
- Offset Gravure
- Differential Offset Gravure
- Flexo
- Knife Over Roll
- Slot Die
- Rotary Screen
- Air Knife

**VCML OPTIONS**
- Electronic tension control
- Hot air drying
- Heated laminator
- UV Curing
- Infra red
- Corona treatment
- Edge guide
- ATEX coating zone

**VCML REFERENCE LIST**
- Avery Dennison
- Brady
- Cosmo Films
- DSM Resins
- Gascogne Emballage
- HB Fuller
- Henkel
- Honeywell, USA
- Innova
- Medherant
- Rotoflex
- Sigmund Lindner GmbH
- Solvin
- Toppan
VCML Lab/Pilot Coater

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VCM COATER
For many years RK has been designing and building Versatile Converting Machines (VCM) for R&D, Pilot and Production applications used across many different types of industries. The VCM is optimised to the specific requirements of each process and can utilise higher specification drives, tension and web control equipment. The heavier framework also enables wider and heavier substrates to be processed while still allowing considerable flexibility to expand or modify the machine as developments or applications change.

VCM APPLICATIONS
- Printable Electronics
- Security – Holograms
- Latent Imaging
- Medical Diagnostics
- Medical Dressings
- Fuel Cell and Batteries
- LCD Displays
- Aerospace Composites
- Polymeric Semiconductors
- Solar Reflective Films

VCM Coater at VTT, Finland

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