GEMiNi

Kaymich

Variants

- Single track
- Twin track - compatible with twin or single track maker

Features

- Two independently controlled flavour outlet ports (twin track variant)
- High capacity twin sealed tanks – 50 litres per tank
- Intelligent configurable control system
- User configurable flavour temperature
- Choice of application points
- Pulsing (intermittent) application (optional)
- Data Collection and Data Logging (optional)
- Automatically controlled, built-in agitation system
- Drain facility
- Easy access to aid servicing and maintenance
- Multi-lingual user interface
- Quick release self-sealing connections

Benefits

- Twin track application from one unit
- Versatile application
- Rapid melt
- 300ml/min per track pumping capacity
- Easy access panels for servicing and maintenance
- Fail safe open loop control ensures integrity of product
- Process traceability
- Product traceability
- Mobile, versatile unit can be moved from maker to maker
- In-built heating system enables application of pure menthol, eliminating the need for carrier fluids
- Backward compatible with existing Kaymich applicators
- Integrated flow meter verifies the application dosage is within tolerance
- Large touch screen HMI provides user friendly animated icons and clear optional settings
- In-built multi-lingual display assists easy operation
- Integrated trouble shooter aids maintenance
- User configurable units of measurement provide ease of operation and compatibility
- On screen keyboard for convenient entry of text or numeric values
- Flavour application proportional to machine speed
- Rapid brand change reduces set-up time
- Two tank design enables continual flow whilst replenishing flavours
- Accommodates a wide range of flavours
- Wide choice of application points provides production versatility and accommodates product design
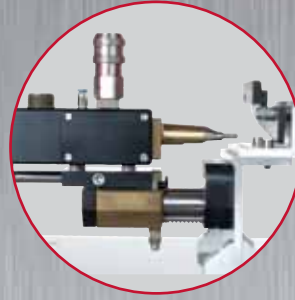
Application Points

Cigarette Making

Paper

Tobacco - direct into suction chamber
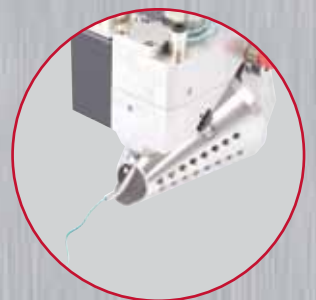

Tobacco - direct into garniture

Pulsing applicator - garniture

Filter Making

Tow

Thread

Foil Rewind Unit

Variable width applicator for foil

Variable width applicator for foil

Kaymich

Introducing the

GEMiNi

FLAVOUR SYSTEM

For Twin track and single track Cigarette and Filter Makers

The new Gemini flavour application system provides a solution for every type of on-line flavour application in cigarette and filter manufacturing. Twin track or single track application from a single unit. Mobile for transfers between different making lines. Choice of 7 application points. Innovative with optional pulsing application.

Available as either single or twin track variants.

Kaymich's 'Gemini' products have been designed to apply an extensive range of liquid flavours through various in-line application points in the cigarette manufacturing process including paper, filter, tobacco rod and packaging foil via a rewinder.

The twin track unit may be easily configured for either single or twin track application.

A single track unit can be upgraded to a twin track unit via a twin track upgrade kit.

Flavour outlets are independently controlled and monitored to enable consistent flavour delivery.

The system is capable of supplying upto 300ml of flavour per track per minute, with delivery proportional to making machine speed.

Kaymich's 'Gemini' product range is compatible with menthol and other flavours.

In-built heating system enables application of pure menthol, eliminating the need for carrier fluids.

The Gemini system provides:

• Accurate and consistent application
• On-line monitoring
• Clean application
• Production versatility

Gemini offers many new benefits and features aiding today's demanding production requirements.

GEMiNi

system description: The 'Gemini' Flavour Application system is designed for on-line application of liquefied flavour during the Secondary cigarette manufacturing process. The unit can apply heated (such as pure menthol) or cold flavours. 'Gemini' can apply a wide variety of flavours regardless of colour or viscosity.

Flavour can be applied on-line at a variety of locations dependent upon requirements:

- Cigarette making machine – on the cigarette paper
- Cigarette making machine – in the tobacco stream
- Cigarette making machine – in the suction chamber
- Filter making machine – into the tow
- Filter making machine – onto thread
- Foil Re-wind Unit – onto foil

Accurate to within 1% or min 0.2mg/rod of target dosage. 'Gemini' employs fully sealed gear pumps to deliver accurate, consistent flow for either twin or single track flavour application.

'Gemini' is suitable for fitment to a wide variety of machines including Cigarette Makers, Filter Plug Makers and Foil Rewind Units. For specific machine types contact Kaymich.

CE compliant.

services required: Air: Dry, filtered non lubricated - 75 to 100 psi (5 to 7 bar)
Electrical : 415Vac 50/60Hz (three phase with neutral and earth)
Current: 10 Amps/Phase

flavour specification: Typical flavour application includes Menthol (crystal or solution), Mint, Fruit, Clove, Vanilla, Liqueurs flavouring.
Menthol crystals, natural or synthetic.
Viscosity, not critical.
Other flavours may also be applied. Please contact Kaymich to confirm compatibility.

performance characteristics:

Maximum capacity	100 litres
Temperature control range	Ambient to 70°C
Flow rate	300ml/minute per track
Gemini dimensions	H=1000mm,W=1400mm, D=650mm
HMI Dimensions	420mm x 375mm x105mm

options: Pulsing Application: Quick pulsing applicator for example to provide flavoured and unflavoured sections at known positions within a rod.

Data Collection: Is a software feature providing remote access via Ethernet to 'Gemini' and a number of 'live' making machines parameters. Using the 'Data Collection' feature, users owning a number of Kaymich flavour systems have the advantage of monitoring several production lines from one remote PC.

Data logging: For product traceability. A software feature which enables the user to store and subsequently analyse user selected data.

Requirements:
- OPC client configured to collect and store data from 'Gemini'
- One available Ethernet network connection per 'Gemini' flavour unit
- Network security configuration