technical specification:

### **CSS1000**

Cigarette Side Seam Adhesive Application System

### Gravity Feed System

system description: The CSS1000 is specifically designed for firment to cigarette making machines for applying the side seam adhesive line.

The system incorporates the well-proven Kaymich gravity nozzle applicator, having a diaphragm seal, eliminating adhesive entering the working parts of the applicator. This nozzle applicator is usually mounted on an automatic retracting stand, which moves the nozzle away from the garniture when the parent machine is not making cigarettes. The retracting stand also controls the valve opening sequence and offers micro adjustment of the nozzle position.

adhesive level. The nozzle is fed with adhesive from an "easy clean" gravity fed header tank, incorporating sight windows to view the

A "vacuum effect" caused by the cigarette paper travelling over the nozzle at relatively high linear speed draws adhesive through the system. As a consequence, adhesive flow rises as paper speed increases. It has been demonstrated that the "vacuum effect" has greater influence over the eventual flow rate than the gravitational head produced by the tank, within the range of working speed of the system.

# suitable machines: Decouffé: LOF, LOG, LOGA, 3D

- Hauni: Protos 80 Garant 1, Garant 4, all versions of the Protos up to the
- Molins: All Molins machines up to the Passim 80
- Sasib: CS2, CS5, CS6, CS8, CS9, Sigma 1, Sigma 2
- Skoda: C8, C9, C11

When ordering please ensure the make and model of the machine is quoted. For all other machines please contact Kaymich.

services required: Dry, filtered, non lubricated compressed air, 60 to 100psi/4 to 7 bar.

(Please specify required voltage at time of order placement) Electrical voltage – 24 Vdc, 110 Vac, 120 Vdc/240 Vac

wetted parts: Stainless steel and EPDM.

**speed of operation:** Up to 8,000 cpm. For higher production speeds please use pump feed system.

supplied on request **nozzle specifications:** Stainless steel with carbide coated tip. 1.00 mm or 1.5mm diameter standard. Other diameters can be

adhesive tank capacity: 5 litres standard. 15 litres can be

Tank height should nominally be 300 mm above the applicator depending on adhesive viscosity. supplied on request. Adhesive outlet - 13 mm internal diameter.

# adhesive recommendations:

regular supplier Viscosity range - 150 to 1500 centipoise. For adhesive grade recommendations please contact your Solids content – 45% to 55% Type – Synthetic resin emulsion.

# Positive Pump Feed

has been developed to provide precise control for aqueous dispersion adhesive or natural liquid starch adhesive application on high speed production units. Over recent years, making machine speeds have increased dramatically and the necessity for precise, adjustable adhesive control has become increasingly important. system description: The Kaymich Positive Pump Feed System

The Positive Pump Feed System incorporates a number of special features and is capable of applying a wide range of adhesives with both low and high viscosities. Adhesive flow is proportional to machine speed and displayed, easy adjustment providing the facility to match adhesives to machine providing the facility to match adhesives to machine performance and paper specifications. These features eliminate gluing problems and enhance performance at production speeds up to 14,000 cpm single track.

At the heart of the system is a precision micro-miniature stainless steel pump, driven by an infinitely variable stepper motor, This pump gives greater resolution than alternative conventional pumps.

times, with the minimum of maintenance and spare parts. A magnetic coupling between motor and pump eliminates the requirement for seals, thus ensuring trouble free operation at all

Adhesive is applied by the well proven Kaymich nozzle applicator, having a diaphragm seal eliminating adhesive entering the working parts of the applicator. This nozzle applicator is mounted on an automatic retracting stand which moves the nozzle away from the garniture when the parent machine is not producing cigarettes. The retracting stand also controls the valve opening sequence and offers micro-adjustment of the nozzle position

suitable machines: Decouflé: LOF, LOG, LOGA, 3D

Hauni: Protos 1000 All of the versions of the Protos up to the

Molins: All Molins Machines.

For all other machines please contact Kaymich. To retrofit the Positive Pump Feed System to an existing gravity Kaymich installation please contact Kaymich. All systems are designed specifically for the host machine.

services required: Dry, filtered, non lubricated compressed air, 60 psi to 100 psi/4 to 7 bar. Air inlet 6.00 mm. Electrical voltage – 110/240 Vac

Electrical power - 125 watts.

# performance characteristics:

Adhesive dosage: maximum 4.99 cc/1000 cigarettes but typically in the range 1.0 to 1.5 cc/1000 cigarettes. Speed – up to 14,000 cpm single track. 15 litres can be supplied on request. Tank capacity - 5 litres standard.

# adhesive recommendations:

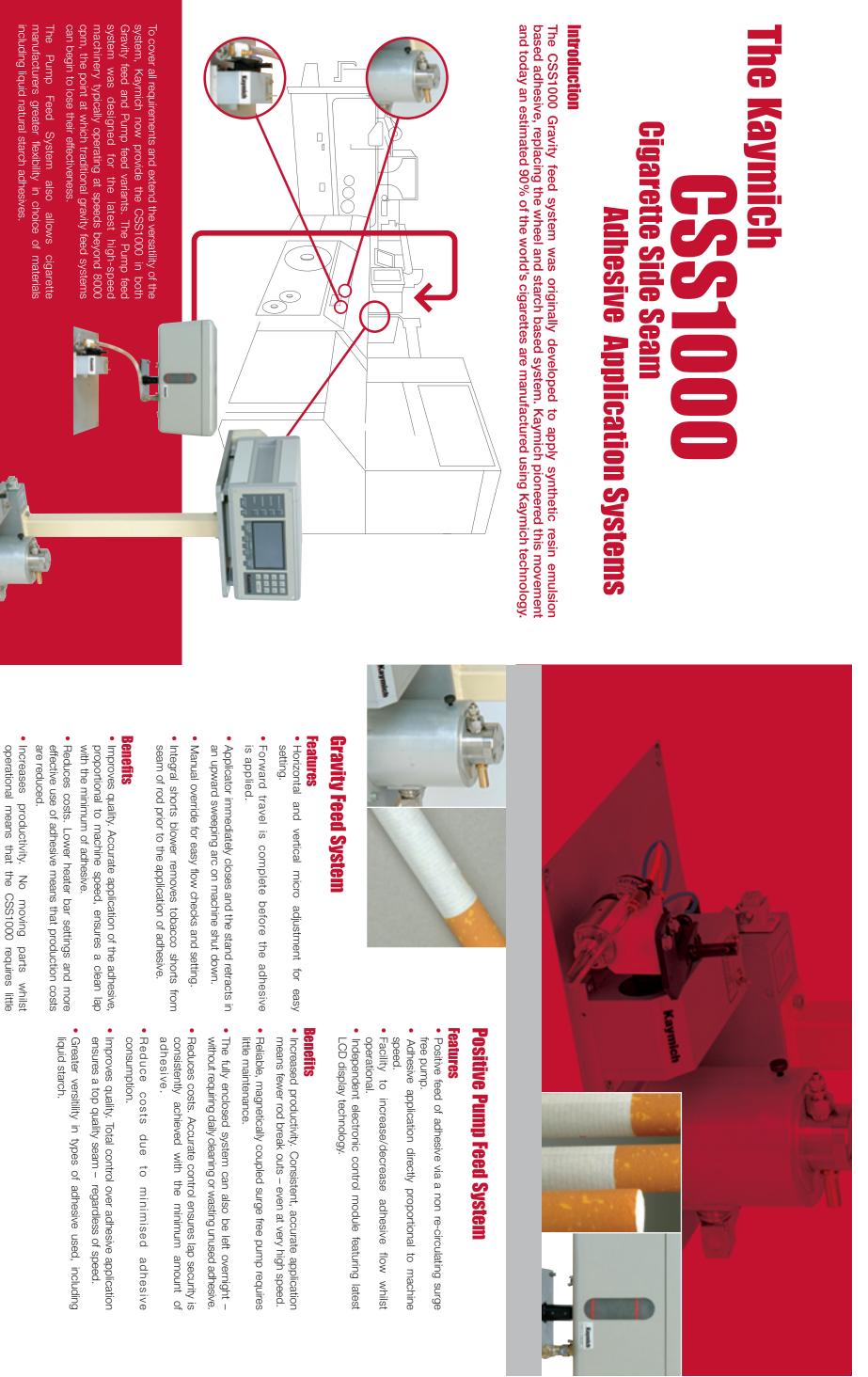
liquid starch A heated applicator manifold is available if running natural Adhesive viscosity - 150 to 12,000 centipoise. Type – Synthetic resin emulsion.





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Versatile. Ability to be fitted to all types of making machines to handle most types of cigarette paper and adhesive without any reduction in machine speed.

<u>Kaymich</u>

Carbide coated nozzle. Provides a longer working life.

maintenance.