

Oral Dissolving Film Transdermal Patch

Table Top Film Former

Model No.- VJODF-Lab



WATCH NOW



Oral Dissolving Film



Transdermal Patch

About VJ Instruments

At VJ Instruments, we're not just a pharmaceutical instruments manufacturer; we're a driving force behind scientific innovation in the fields of Pharmacy and Pre Clinical research. Since our inception in 2006, we have continually strived to revolutionise the industry by delivering world-class products that not only meet rigorous quality standards but also prioritise ease of use

Our team comprises seasoned professionals with extensive experience in the pharmaceutical industry and academia. We have a proven track record of excellence and a deep understanding of the unique challenges and requirements of the field.

Our Products are specifically meant for small animal behaviour research as well as tools used in R&D, pilot drug development. We also deal with innovative custom-based requirements, tailoring solutions to the specific needs of our clients.

Customer Support

At VJ Instruments, we recognise that our clients need to maximise their ROI over the entire lifecycle of ownership. For our clients, machine downtime is not acceptable. To support them, we maintain a dedicated team of service engineers.

Technical Support and Repair

Live and immediate technical support is available using all major communication tools.

Standard on-site response time.

Value Added Services

We offer our clients value-added services so that they can run their machines with the highest efficiency over time.

- Operator training programs
- Annual maintenance contract
- Machine upgrade consultations

*Terms & condition apply.

Industries we Serve



PHARMACEUTICALS



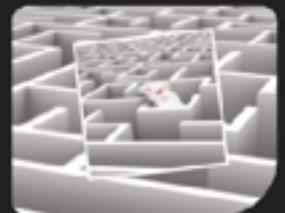
FOOD



COSMETICS



NUTRACEUTICALS



PRE-CLINICAL

General

VJ Instruments table top Film Former coating machine is intended for development and small production of transdermal therapeutic delivery system laminates (TDS-patches) as well as to create edible films/ oral dissolvable film bulk were (EDF/ODF) without any further modification. It permits batch wise coating of 75 mm wide web's with successive lamination manually.

The machine contains a coating head (Manual Dragger), where the coating knife is installed. This special tools guarantees an extreme high product quality with an ultimate accuracy of The reachable accuracy - +/- 1 to 5 μm for a 100 μm dry coating over the entire coating width and has therefore the lowest thickness variation available in the market.

To make oral thin films and transdermal patches conventionally glass petri plates, Teflon coated petri plates and Teflon petri plates are commonly used. The major disadvantage of petri plate is time consuming process that takes hours and reproducibility of the same thickness is less.

VJ instrument rectified this error by developing self- drying tabletop semiautomatic machine with uniform film making dragger machine. This machine can be used for long single film with uniform thickness.

The film former machine has the elegant exterior fabricated of Stainless Steel box with toughened glass tabletop. We can maintain the temperature of the glass tabletop from ambient to 100 C with the help of digital thermostat. The unique dragger is provided with digital screw gauges to make uniform thick films.

Operations

Film Former is an integrated and semi-automatic unit consisted of dragger with digital screw gauges, stainless steel body, heater, glass tabletop and digital temperature controller.

For making oral dissolving films or transdermal films, set the temperature of glass tabletop according to the solution/suspension with the help of control panel. Set the dragger screw gauges for required height considering evaporation, which reduces the thickness of film. Keep the dragger and dragger guide on glass tabletop. Pour the prepared bubble free solution/suspension of drug, film former and plasti- cizer and drag it with dragger on glass tabletop for oral film and For TDP First keep release liner on glass table top and cast the film on it and then apply backing membrane.

After drying the films it can be removed and cut as per the content and weight uniformity.

Sr. No.	Specification	Details
1	Certificates	GMP, ISO, CE
2	Production Capacity	1 inch X 1inch - 150 ODF in hour.
3	Size of Film drawn	75 mm width X 500 mm Length.
	Coating Accuracy	+/- 1 to 5 μ m for a 100 μ m dry coating over the entire coating width
4	MOC Non-Contact Parts	SS 304
5	MOC Contact Parts	Toughened Glass & Aluminium
6	Product	Any Aqua base or solvent base formulation.
7	Heater	Heater of 1 kW is provided in the insulating box to achieve the temperature from ambient to 100 C of glass table top.
8	Control Panel	Advance control panel with digital temperature controller helps to control the temperature of table top with accuracy of +/- 1degree Celsius.
9	Electric Accessories	230 V 1 Phase 50 Hz
16	Documents	User Manual, Warranty Certificate.
17	Electric Consumption	1 Kw
18	Dimension (LXWXH) in mm	657 mm (L) X 581 mm (W) X 183 mm (H)
19	Weight	22 kg. (Approximate) 75 kg. with packing (Approximate)

Some of Our Other Instruments.

<https://www.vjstruments.com/products/>



Note - Upgrading design is continuous process.

1. All the images displayed in the offer are for representation purpose only but actual may vary.
2. Dimension & weight may vary

International Clients



Industrial Clients



IITs, AIIMS, CSIR, Government & Private Institute

