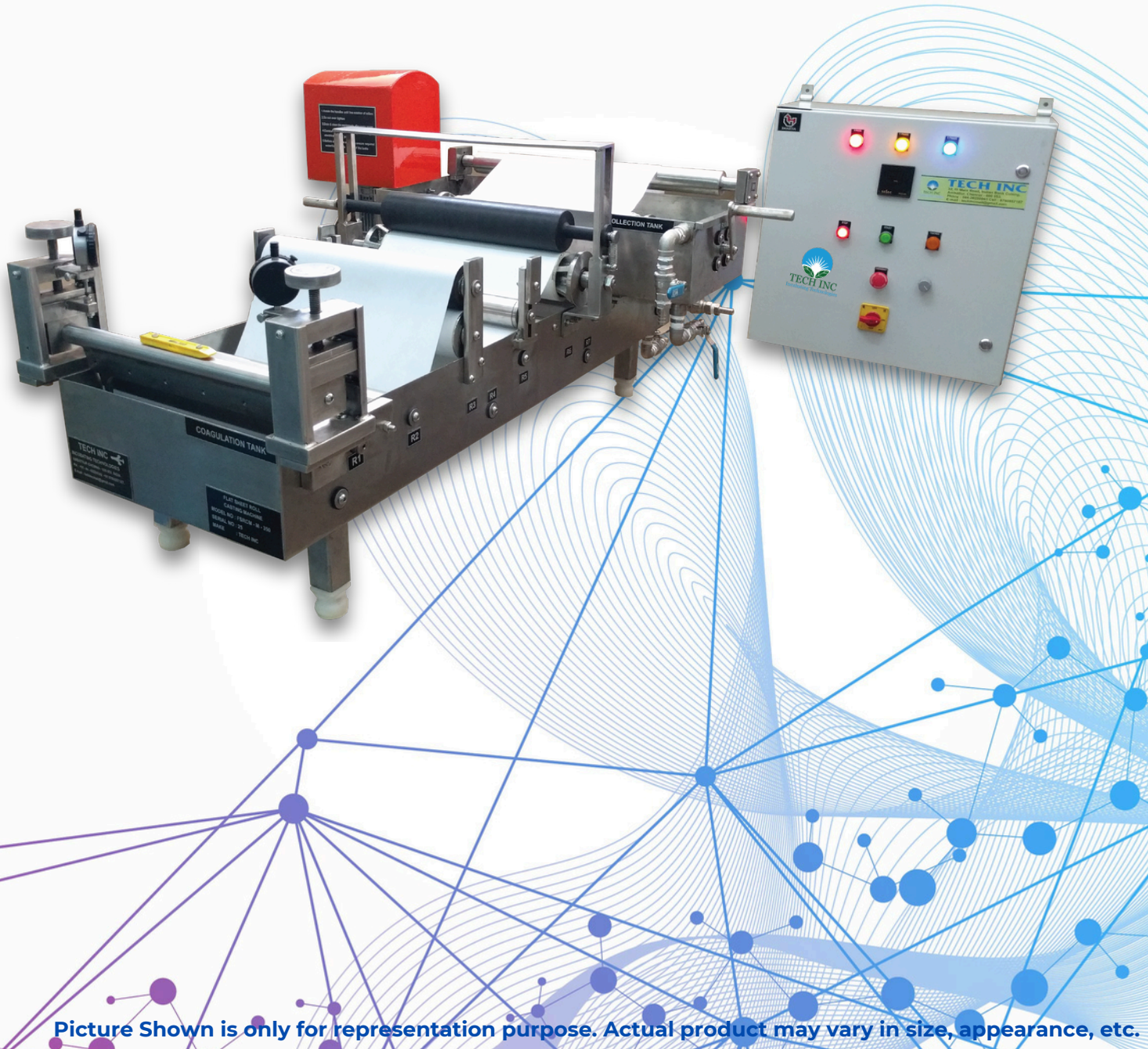


# DATASHEET FOR

# FLATSHEET MEMBRANE ROLL CASTING



Picture Shown is only for representation purpose. Actual product may vary in size, appearance, etc.

**2025**  
RESEARCH & DEVELOPEMENT

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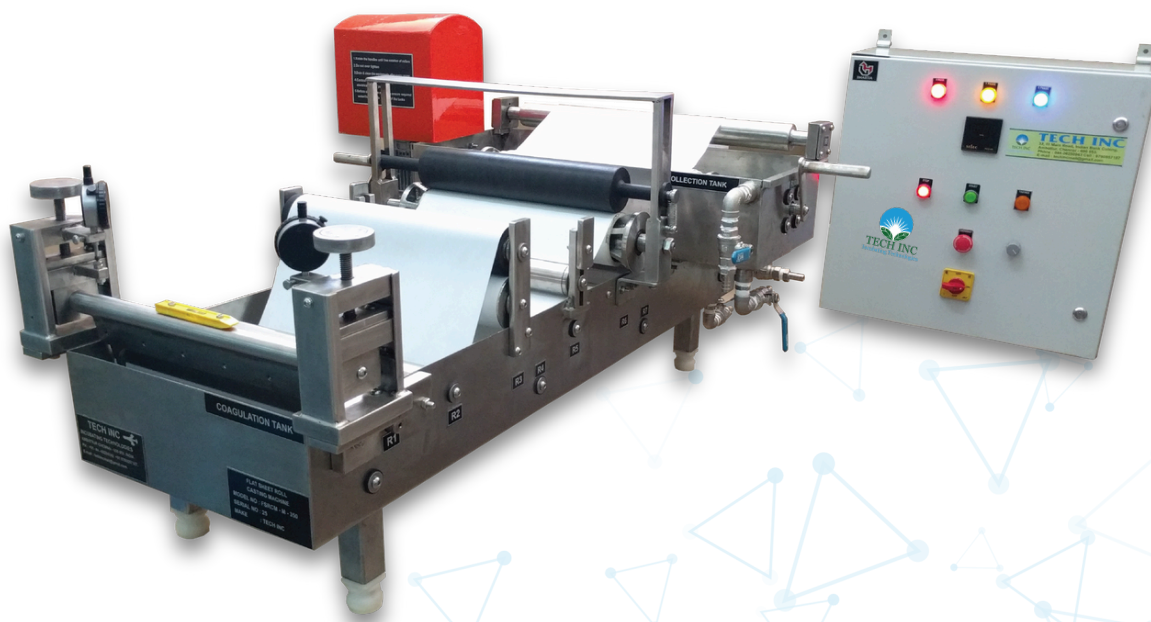
techincmail@gmail.com  
mail@techincresearch.com  
HEAD QUARTERS,

No.32, 3rd Main Road, Indian Bank Colony, Ambattur,  
Chennai, Tamil Nadu 600053  
India

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## TECHNICAL SPECIFICATION

S. No	PARAMETER	DESCRIPTION
1	MOC of skid	SS 304
2	MOC of main rollers	SS 304
3	MOC of stiffening rollers	PP
4	VFD drive	¼ HP motor, 3 phase, 440 VDC, 50 Hz
5	Electrical panel	VFD controlled with RPM indicator



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**FLATSHEET MEMBRANE CASTING MACHINE**

**FLATSHEET MEMBRANE CASTING MACHINE WITH HEATING FACILITY**

**FLATSHEET MEMBRANE ROLL CASTING MACHINE**

**FLATSHEET MEMBRANE ROLL CASTING MACHINE WITH HEATING FACILITY**

**HOLLOW FIBER MEMBRANE CASTING MACHINE**

## MEMBRANE TESTING EQUIPMENT

### MEMBRANE TEST SKIDS



**MD TEST SKID**



**MBR TEST SKID**



**RO TEST SKID**



**PERVAPORATION TEST SKID**



**FO TEST SKID**



**UF TEST SKID**

### MEMBRANE STIRRED CELLS



**HIGH PRESSURE STIRRED CELL**



**LOW PRESSURE STIRRED CELL**

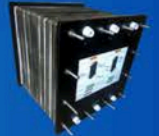
### MEMBRANE TEST CELLS



**HOLLOW FIBER TEST CELL**



**FO TEST CELL**



**STACK CELL**



**MD TEST CELL**



**PERVAPORATION TEST CELL**



**STACK CELL**



**RO TEST CELL**



**CIRCULAR TEST CELL**



**DERLIN RO TEST CELL**

## MEMBRANE CHARACTERIZATION EQUIPMENT



**CONTACT ANGLE MEASUREMENT**



**MEMBRANE STRENGTH TESTER**



**CAPILLARY FLOW POROMETER**

## MEMBRANE MATERIALS

### CHEMICALS

- PES
- PVDF
- PS
- CA/CTA
- PAN

### ADDITIVES

- PVG
- PEG
- GRAPHENE OXIDE
- CNT
- TiO<sub>2</sub>
- LiCl

### SOLVENTS

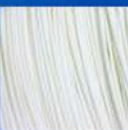
- NMP
- DMAC

## MEMBRANES

- MICRO FILTRATION FS & HF
- ULTRA FILTRATION FS & HF
- NANO FILTRATION FS & HF
- REVERSE OSMOSIS FS & HF
- FORWARD OSMOSIS FS & HF
- MEMBRANE DISTILLATION FS & HF
- MBR FS & HF
- GAS SEPARATION FS & HF



**FLATSHEET**



**HOLLOW FIBER**

## SPACERS



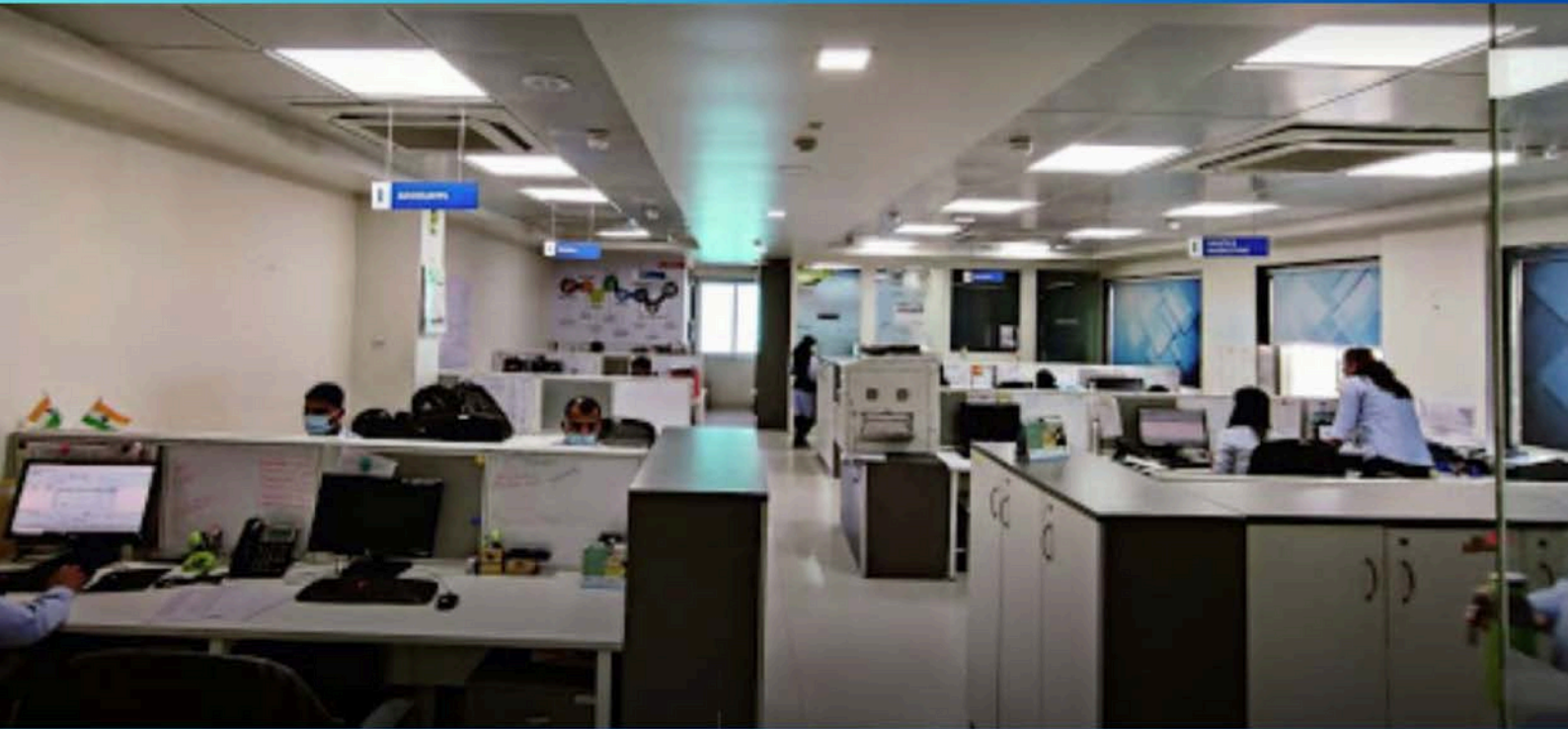
**FEED SPACER**



**PERMEATE SPACER**

## SUPPORT SHEETS





Tech Inc. Office



Tech Inc. Lab

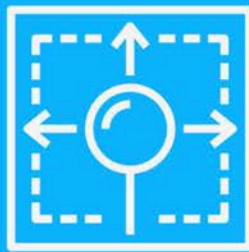
# TechInc in Numbers



## Workforce



## Capacity



Factory FootPrint

>65,000 Sq.ft



# Our Facilities



Chennai, India

Facility 1 - Main Factory

Facility 2 - Equipment Factory

Facility 3 - Fabrication Factory

Facility 4 - Office



## Knowledge and Product Chart

### Membranes

#### Hydrophilic Membranes

- MicroFiltration MF
- UltraFiltration UF
- NanoFiltration NF
- Forward Osmosis FO

#### Hydrophobic Membranes

- Membrane Distillation MD
- CO2 Sequestration CO2

### COUNTRIES OF INSTALLATION



## OUR PRODUCTS

MEMBRANE MAKING EQUIPMENTS  
MEMBRANE TESTING EQUIPMENTS  
MEMBRANE CHARACTERIZATION EQUIPMENTS  
TEST CELLS  
FILM COATING  
AUTO SDI KIT  
SILTON SDI  
BATTERY COATING  
POROMETERS  
POROSIMETERS  
PERMEAMETERS  
FILTERS  
CHEMICALS  
MEMBRANES  
SPACERS  
SUPPORT SHEETS  
POWDERS  
MEMBRANES & MODULES

## Contact Us



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