# Four Pillar Semiautomatic Screen Printing Machine

## Applications:

 Flat surface printing on Ceramic Tiles/Transfers, Printed Circuit Boards, Textile Transfers, Paper, Stickers, Metal Labels, Membrane switch Printing, Commercial screen printing etc.

## Standard Features

* Adjustable squeeze & food speed via AC geared motor (pre-lubricated) coupled with AC frequency inverter.
* Infinite variable and independent print and flood speeds adjustable from 0 to max speed.
* Squeeze carriage on Hard Chrome Plated solid steel shaft with linear bearing motion (IKO Japan)
* Pneumatically adjustable squeezee & flood pressure, Fine Pressure adjustments with dial indicators.
* Calibrated air pressure air regulator with filters and lubricators
* Adjustable squeezee angle from 0 to 30o
* Adjustable Skew angle
* Aluminum extruded squeezee holder & coater for even pressure
* Bed movement for registration X,Y, & Rotary (+-) 10 mm
* Selectable Print Cycles Flood First & then Print or Print First & then Flood
* Three operation modes, single cycle, auto cycle with dwell timer and inching in setting mode
* Adjustable peel off system with variable time ensures good & sharp print results
* Print cycle counter to count no of impressions/hour
* Emergency Rod/Stop for safety of operator
* Castor wheels for easy mobility
* PLC (Programmed Logic Controller) with man machine interface

### Optional Features

* Auto take off system
* With back light table

## Technical Data

|  |  |  |  |
| --- | --- | --- | --- |
|  | **FP-2436** | **FP-3040** | **FP-4060** |
| Print Area | 24” x 36” (610mm x 915mm) | 30” x 40” (762mm x 1016mm) | 40” x 60” (1016mm x 1524mm) |
| Screen Frame Size Max. (OD) | 42” x 54” (1060mm x 1370mm) | 48” x 58” (1220mm x 1470mm) | 58” x 78” (1473mm x 1182mm) |
| Screen Frame Size Min. (OD) | 26” x 38” (660mm x 965mm) | 32” x 42” (810mm x 1070mm) | 42” x 62” (1067mm x 1575mm) |
| Vacuum Bed Size | 32” x 44” (813mm x 1117mm) | 38” x 48” (965mm x 1219mm) | 48” x 68” (1219mm x 1727mm) |
| Bed Movement | +/- 10mm | +/- 10mm | +/- 10mm |
| Substrate Thickness (Printable) | 10mm | 10mm | 10mm |
| Impressions/Hour | 840/Hour | 720/Hour | 675/Hour |
| Power Supply | 230 V AC/1Ph/50 Hz | 230 V AC/1Ph/50 Hz | 230 V AC/1Ph/50 Hz |
| Power consumption | 3 HP/2.3 Kw | 3.5 HP/2.66 Kw | 4 HP/3.04 Kw |
| Overall Dimensions | 67” x 50”  | 71” x 54”  | 90” x 62”  |