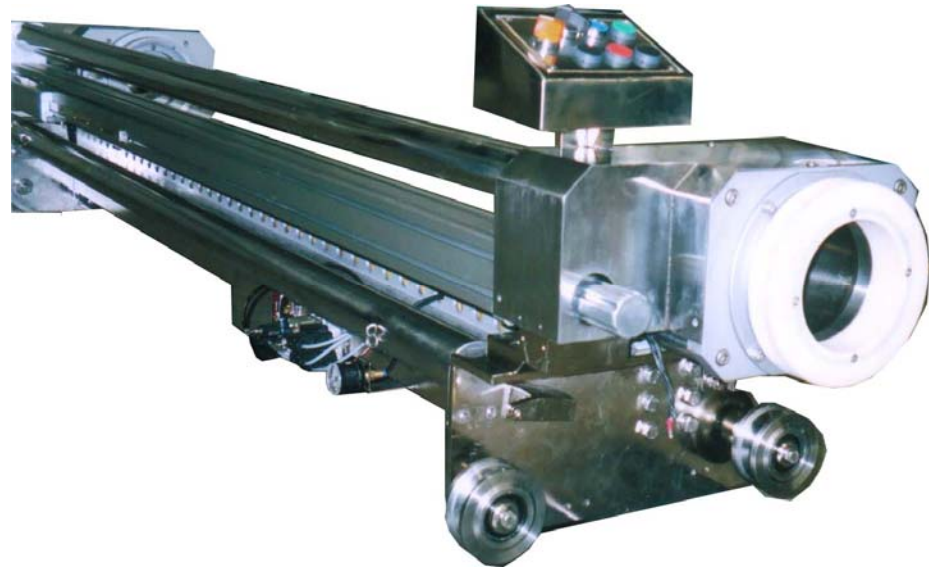
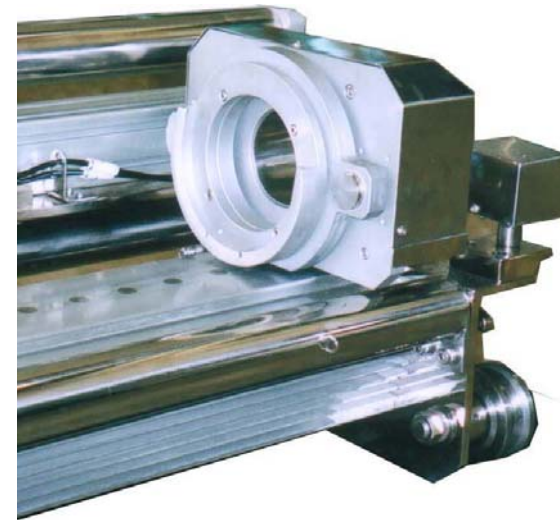
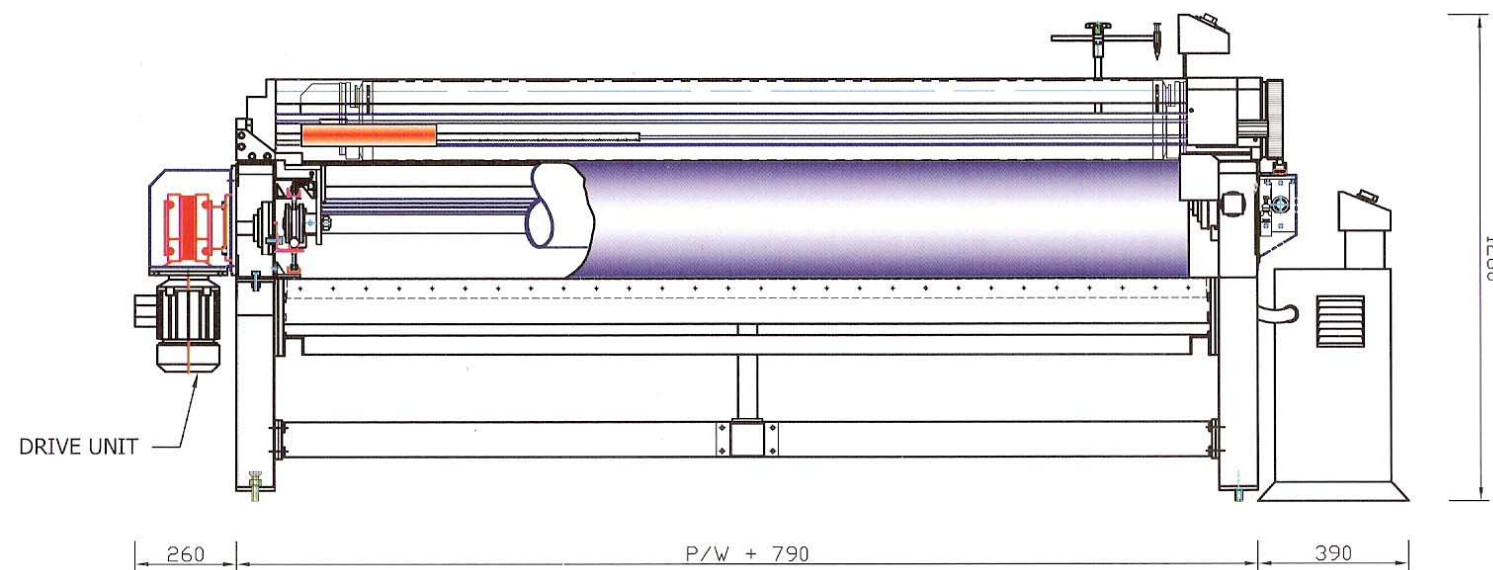


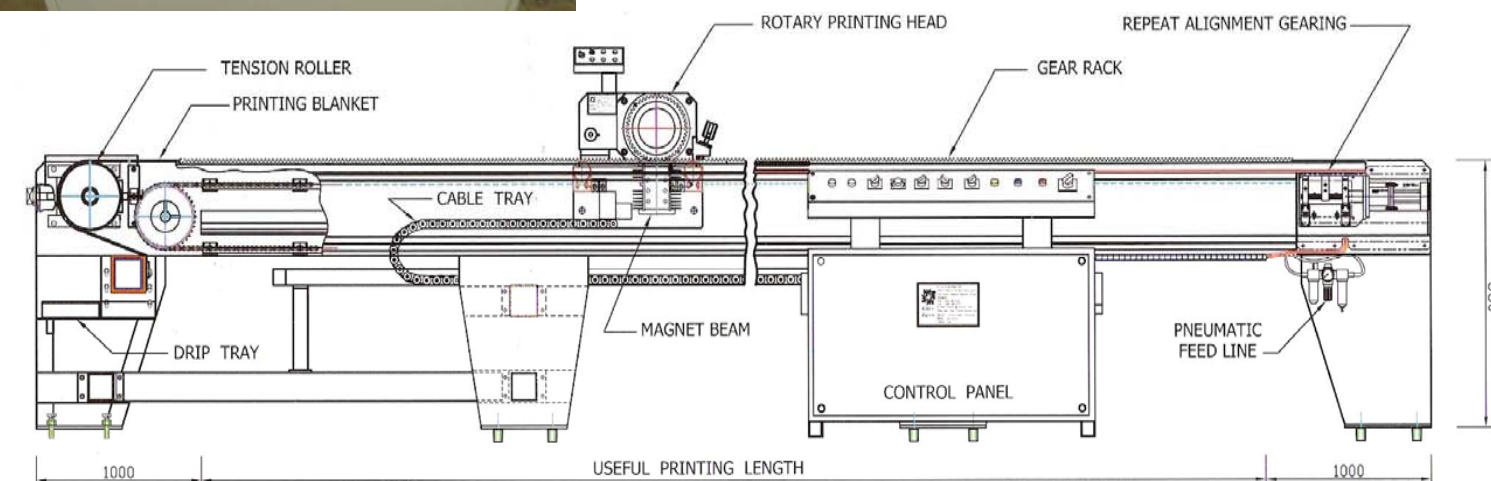
## Magnetic Squeegee System



**Electro-Magnetic Beam**, fitted with a series of **Magnetic Coils** and enclosed in a heavy duty Aluminum housing, **Coils** being fed with **Rectified Supply** from a Transformer having **5 steps** Control.



Control Panel, housing all related Electrical Controls, together with Operator remote auxiliary Control Pulpit, suitably mounted on the Printing Head for accessibility.



# FLAT SCREEN PRINTING TABLES



- PRINTING CARRIAGE: Rubber Squeegee System**  
Comprising of a Galvanized robust Steel fabricated **Framework**, supported on a series of Locating **Carrier Wheels**, and retaining the following :-
- A hinged **Screen Holding Frame**, suitably prepared with adapters for the Asian and European Type **Flat Screen Setting/Locking** systems,
  - A Pneumatic operated **Screen Lifting** mechanism,
  - A **Motorized** Variable Speed **Squeegee Drive** system, complete with adjustable Travel Limiters, PLC Controlled for Multi-Stroke and Flood-Stoke Colour Application.
  - Sprung loaded **Squeegee Retainers** complete with calibrated settings for controlling the Colour Application by the **Squeegee** system.
  - A **Motorized** Variable Speed **Print Carriage** Drive system, PLC Controlled for Auto-engaging of the Print Carriage to the Repeat Settings, complete with related Electronic system for controlling the Print Carriage Auto / Alternate / Manual **Travel Mode**.
  - A Fabric Roll Support/Spreading attachment, useful for the Operator to apply the Fabric onto Print Table Surface

The Electrical and Pneumatic Control Cabinet suitably connected to Printing Head Frame unit, housing all related Operational Switch-gear, together with Operator Control panel, all ready prepared for incoming Supply.

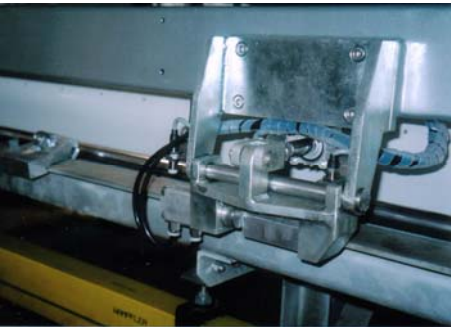
**PRINTING TABLE**  
Comprising of a Galvanized Steel **Base-frame** Structure, retaining a Reinforced **Marine Plywood** Table Surface, and covered with 2 layers of Polyester **Under-Felt** (for ~Soft-Print Table System) and a Polyester/PVC coated **Print Blanket**, inclusive of necessary Print Carriage **Runner Rails**, a series of adjustable **Repeat Blocks** for Auto-engaging of the Print Carriage to the required Repeat settings, and **Drainage** side Channels.

The Printing Table being equipped with a 3 Phase Electrical Supply Conductor Rail System, and a Retractable ~Drum~ Type Pneumatic Air Supply System for Operational Services to the **Print Carriage** and other related **Optional Extra** Accessories.

**TABLE HEATING SYSTEM**  
An **Electrical Heated Under-blanket System** is offered as **Optional Extra**, for maintaining the Print Table Surface heated up to 65 Deg Cent., comprising of a special Wire Mesh for enclosing between the **2** Layers of **Under-felt**, complete with Auto-Transformer for **Setting** the desired Temperature.



Retractable ~Drum~ Type Pneumatic Air Supply System



Pneumatic Camping System for Auto-engaging of the Print Carriage to Repeat Blocks



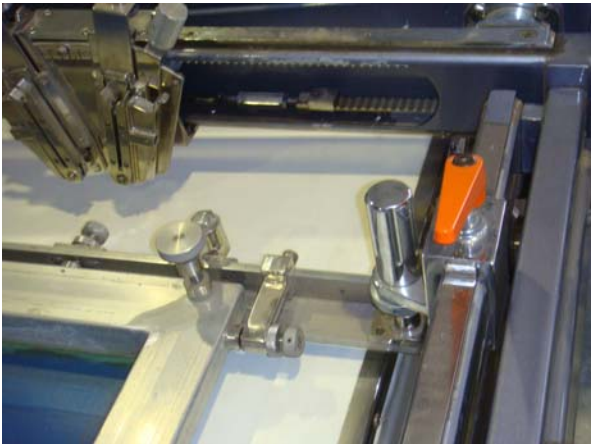
Sprung loaded Squeegee Retainers



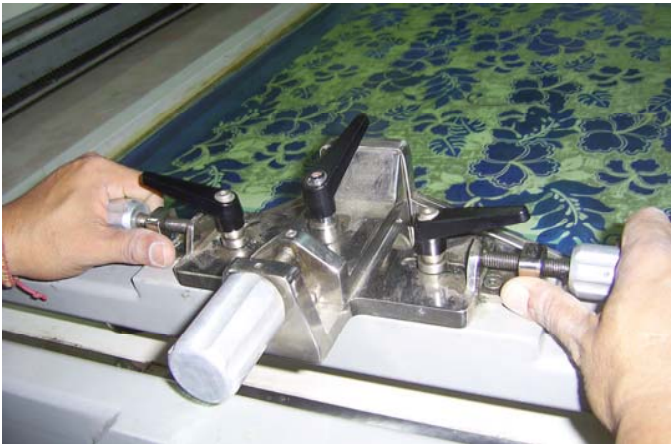
Operator Control System



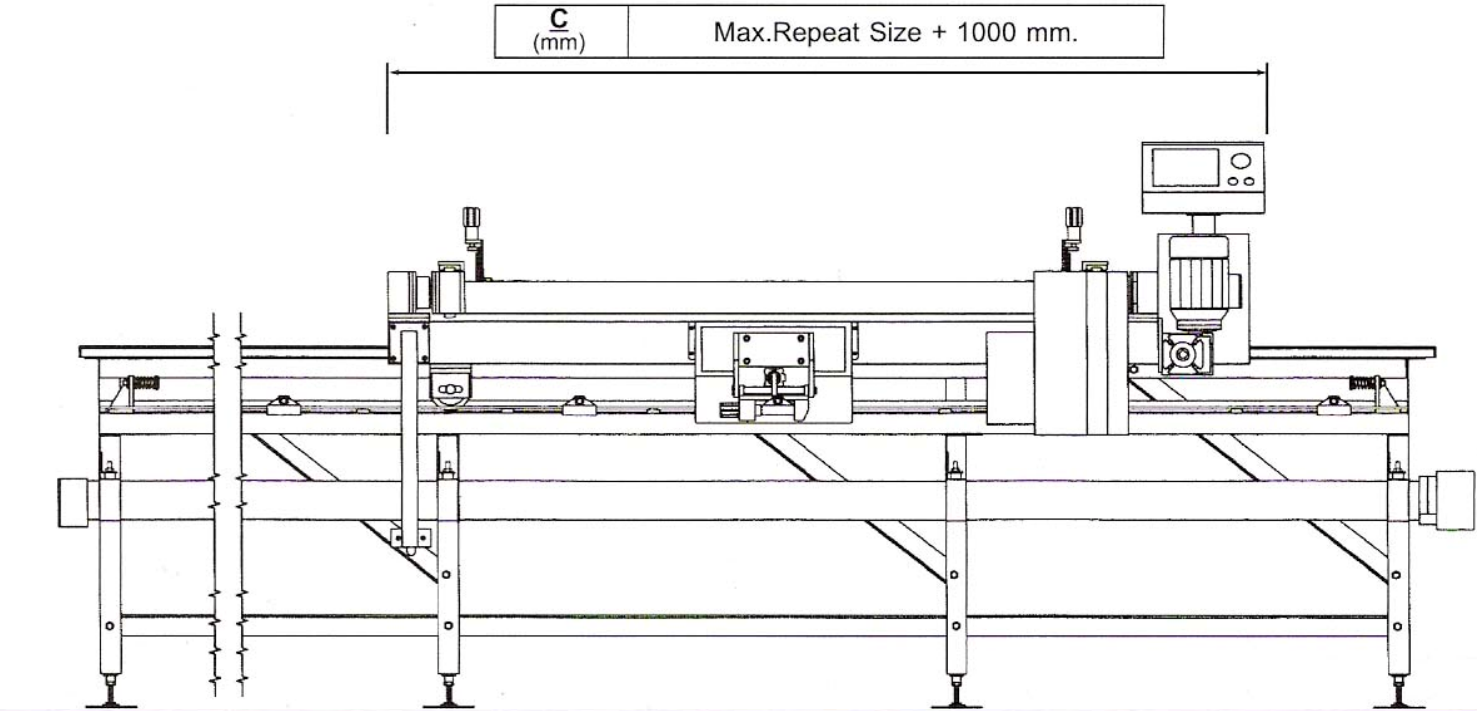
Fabric Roll Support/Spreading attachment



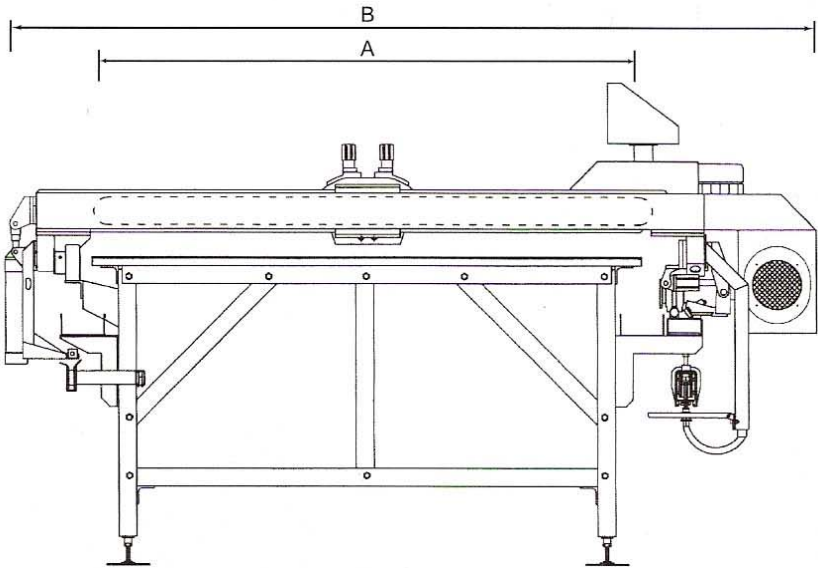
Asian Type Flat Screen Setting/Locking systems



European Type Flat Screen Setting/Locking systems



PRINTING WIDTH (cm.)	TABLE/CARRIAGE (cm.)	
	A	B
100	145	220
120	165	240
140	185	260
160	205	280
180	225	300
200	245	320
220	265	340
240	285	360
260	305	380
280	325	400
300	345	420
320	365	440



# MANUAL PRINTING TABLES

FOR GARMENTS “PIECE” PRINTING APPLICATION,



The “Manual” Type Printing Tables, comprise of the following :-

- A Galvanized Steel Base-frame structure retaining Leg height adjusters and Floor Steel containments for ensuring Linear Expansion of the Table Structure.
- A reinforced Laminated Chip Board Table Surface, covered with 2 layers of 4 mm. thick Polyester Under-Felt.
- Table Print Surface comprising of a ~Contex~ PVC coated Single Ply Polyester Print Blanket.
- Printing Table, equipped with Printing Screens Locating/Support Rails inclusive of relative Repeat Blocks and Drainage side channels.

**Electrical Heated Under-blanket System**

With the increase in the demand for Garments to be Printed with Platisols and Rubber Print Pastes, an Electrical Heated Under-blanket System is offered as **Optional Extra** for maintaining the Print Table Surface heated up to 65 Deg Cent., comprising of a special Wire Mesh for enclosing between the **2** Layers of Under-felt, complete with Auto-Transformer for Setting the desired Temperature.



The advantages of using the K+Z Printing Tables are due to the following :-

- I) Higher Print Definition obtainable from the K+Z (Soft Surface) Printing Tables.
- II) Production reliability as opposed to the Pallet Printers.
- III) The ability to use Heated Under-blanket facility and Infra-red Heated Traveling Carriages for Drying the Printed Fabrics

Average Production from a K+Z **40 Mts** Long Manual Type Printing Table are as follows:-

- a) Single (1) Colour : 1,300 Cut Pieces/Hour
- b) Two (2) Colours : 950 Cut Pieces/Hour
- c) Three (3) Colours : 600 Cut Pieces/Hour
- d) Four (4) Colours : 350 Cut Pieces/Hour



# INFRA-RED HEATED TRAVELING CARRIAGES

FOR THE CONTINUOUS AUTO-DRYING OF PRINTED FABRICS ON PRINT TABLES,



The Infra-red Heated Traveling Carriages, are suitably formatted for applying onto the **Various Types** of **Print Tables**, having being robustly fabricated as a Galvanized Steel **Framework**, supported on adjustable Runner Wheels, and Driven by **AC Inverter Drive** Variable Speed Motor-gearred Units.

The Traveling Carriages Heating System, comprising of a series of **Electric Infra-red Heaters** being supported within **Reflector Capsules**, together with a series of **Re-circulating Fans** connected to Air-ducting arrangements for delivering the Heated Medium directly onto the Printed Fabric.



**Electrical Control Cabinet** mounted on the Traveling Carriage Frame Unit, housing all the related Operational **Switch-gear**, inclusive of a **Electrical Conductor Rail System** being supported on the Print Table Framework by applicable brackets, and ready prepared for Incoming Electrical Supply.

# ROTARY SCREEN WASHING MACHINES

**TYPE I) SINGLE** : For Auto-washing of One Rotary Screen up to 110 cm. Repeat.

**TYPE II) DOUBLE** : For Auto-washing simultaneously of Two Rotary Screens up to 72 cm. Repeat, or One Rotary Screen up to 110 cm. Repeat.

**THE ROTARY SCREEN WASHERS**, are self contained units of robust Stainless steel construction.

Once the Screen/s is/are placed onto the Machines, the washing cycle is completely automatic.

The Nylon bristled Brushes support and rotate the Screen/s whilst being internally and externally sprayed by special high pressure Fan type Water Jets.

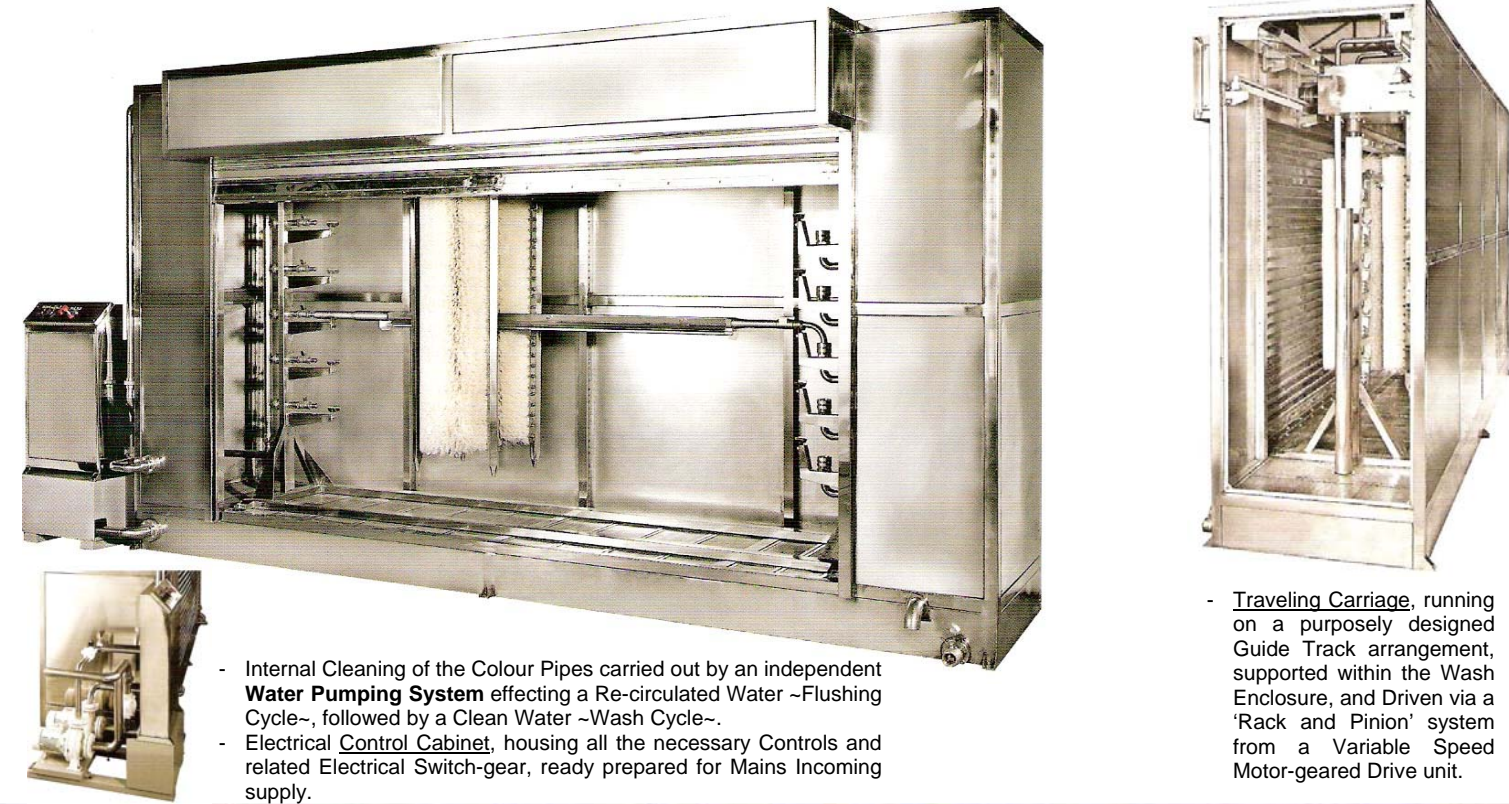
- A Screen thrusting arrangement connected to the Base section of the Wash Tank enacts a reciprocating scrubbing action of the Soft Nylon Brushes onto the Screen/s.
- A "Soft Start" Brush Drive system ensures delicate handling of the Screen/s motion.
- A Water Spray system comprising of 4 Spray Tubes retaining special Fan type Water Jets, complete with a high pressure Water Pump, all pre-piped ready for Mains connection.
- The Water Spray system includes an Electric Solenoid Valve arrangement, for isolating Sprays when washing individual Screens.
- The Wash Tank, being supported on a stainless steel cabinet, retaining a Motor-gearred unit for the Brush Drive, complete with necessary chain wheels and chain tensioning arrangement.
- Electrical control panel housing process timers, and all other related Electrical switch-gear, all pre-wired, ready for incoming supply.



# ROTARY COLOUR PIPES WASHING MACHINE

**For the auto-washing of up to 5 Colour Pipes per Load**

- A reinforced Stainless Steel fabricated **Wash Enclosure** complete with **Recycled Water Tank Base**, having been suitably prepared to retain the following:-
- A Stainless Steel fabricated **~Trolley~** for supporting up to **5 Colour Pipes/Squeegees**, inclusive of Locking Devices and Pipe connection arrangements to safely retain the Colour Pipes during the **Wash Sequence**.
  - A suitably prepared **Traveling Carriage** mechanism, retaining **4 Spray Tubes** fitted with Fan type Water Jets, being fed from a High Pressure **Water Pump**, system, inclusive of a pair of Nylon **Brushes**, each driven from Motor-gearred units for the effective external cleaning of the Colour Pipes.



- Traveling Carriage, running on a purposely designed Guide Track arrangement, supported within the Wash Enclosure, and Driven via a 'Rack and Pinion' system from a Variable Speed Motor-gearred Drive unit.

# FABRIC SUCTION UNITS

**For the effective removal of Lint and Dust Particles in an in-line Operation, applicable to Printing, Dyeing and other Finishing operations.**

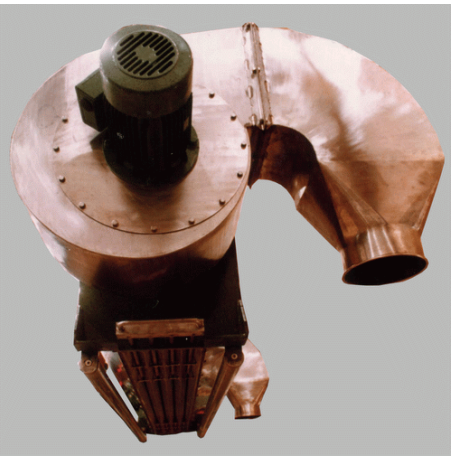
## TYPE I) Single Sided Suction Units

Comprising of a rigidly Fabricated enclosed **Vacuum/Suction Chamber**, retaining a purposely designed **200 mm.** Wide sectionalized **Suction Grid** Surface, with adjustable **~Blanking~** arrangement to suit the varying Fabric Widths, being complete with a High Flow **Suction Fan** for creating the required Vacuum/Suction Force for the removal of the Lint and Dust Particles from Fabrics being processed at High Speeds

The Fabric Suction Units, having been fabricated from heavy duty Galvanized Steel, with the Vacuum/Suction Chamber Upper-side, retaining a reinforced support arrangement for the connection of the **Suction Fan Units**.



**Suction Grid**, consisting of a series of Stainless Steel square Hollow Sections, diagonally retained within a purposely fabricated frame-work for minimal direct contact with the Fabric, and suitably spaced to allow the **Vacuum/Suction Force** to remove loose Lint and Dust from the Fabric being passed on the **Suction Grid** surface.



**Vacuum/Suction Force**, created by 5 Hp., 380 mm. Dia. Galvanized Steel **Suction Fan/s**, firmly attached to Vacuum/Suction Chamber, complete with related ducting arrangement for retaining the Dust/Lint collection Bags (30 cm. Dia., 150 cm. Long).

**Control Cabinet**, housing the necessary Controls and all related Electrical Switch-gear, ready prepared for Mains In-coming supply.

## TYPE II) Double Sided Suction Units

Comprising of a Rigidly Stayed fabricated Steel Up-right **Framework**, retaining a series of Fabric Guide/Support Rollers.

**Framework** having been ready prepared for supporting **2 Opposing Faced ~Single Sided~ Suction Units**, with each **Suction Unit** being complete with related Ducting and adjustable **~Blanking~** arrangement to suit the varying Fabric widths.

# DRIER/CURING OVEN FOR ~PIECE~ PRINTED FABRICS

Type : Infra-Red Heated Modules, 100 cm. & 150 cm. Wide Conveyor  
600 cm. Long – 5 Modular Infra-Red Drier Units, 30 Kw.



### DRIER UNIT - CONVEYOR BASE FRAME

A robust Steel fabricated support **Base Framework** structure, 100 cm. High, suitably prepared for carrying the following:-

- A 100 cm., or 150 cm. Wide PTFE coated open meshed **Conveyor Belt**, suitable for Temperatures of up to **190° Cent.**
- Conveyor Stainless Steel support frame retaining adjustable **Conveyor Guides.**
- A Conveyor **Drive Roller**, with opposed **Tensioning Roller** arrangement.
- **Drive** to Conveyor Belt, via an AC. Inverter Variable Speed Motor-gear.
- Conveyor Base-frame, having been ready prepared for accepting the ~Modular~ **Infra-red Drier** Units, the **Exit Cooling Fan** arrangement, and the **Control Cabinet** housing all the related Operational Switch-gear.

### INFRA-RED DRIER/CURING UNITS,

Each Modular Unit, retaining **5 - 1.2 Kw. Infra-Red Heaters** supported within **Reflector Capsules**, with Set **Temperatures** accurately controlled by **Electronic** Instruments from the **Operational Control Cabinet.**

Modular Units, suitably **Insulated** with a series of **Detachable Exterior Panel Sections**, retaining 100 mm. thick Layers of ~Rock-Wool~ insulating fiber.

The Drier/Curing Oven Unit, equipped with a suitable **Exhaust Fan** System, complete with adjustable Air-ducting arrangement.

