

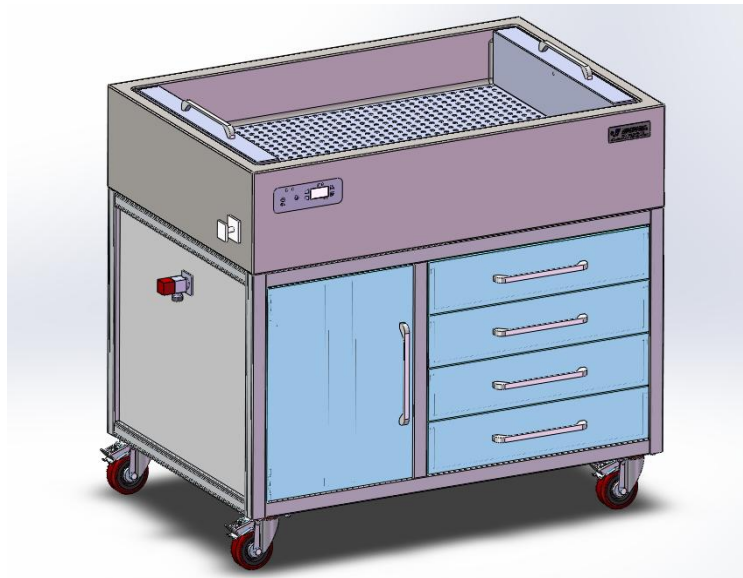
## Impregnating mangle

Equipment specification and configuration:

device name	Model / specification	major dispositions	work environment
impregnating mangle	FHX-QRJ/900*600*820(mm)	Automatic control system; the host part	Configuring water supply and drainage;

### 1. Product Introduction:

In the restoration of paper documents such as calligraphy and painting, ancient books and archives, new paper is necessary to stain rice paper so that it can conform to the restored paper documents. The dye requires a specific temperature for staining, and the coloring needs to be uniform. The newly developed "ancient book restoration and dyeing machine" can ensure the temperature of the dye for a long time, and it can be more convenient and faster to evenly stain the paper in batches. The paper of different materials can be dyed into the same color as the ancient calligraphy and painting, to repair the ancient books of calligraphy and painting, so as to achieve the purpose of supplementing the old.



2. Dimensions: 900mm \* 600mm \* 820mm

### 3. Equipment structure:

The dyeing machine is composed of cabinet, temperature regulating mechanism, lifting and tilt regulating mechanism, overflow protection device and drainage device. Automated operation saves manpower, is convenient and fast, safe and reliable.

When using, inject water into the immersion tank. After reaching the required height, rotate

the temperature control knob to start the heating sheet to heat the water in the immersion tank, so that it is maintained at the set temperature, and then manually adjust the pigment. After the modulation, place the items in the immersion tank for immersion. After reaching the specified time, start the lifting control button on both sides of the body to raise the paper tray and tilt at a certain Angle to fully drain the dye liquid on the article. In order to avoid full overflow, the full overflow protection device is discharged from the overflow pipe after the dyeing liquid height reaches the level. After finishing the immersion operation, drain drainage.

1) Material: the groove body is made of high-quality 304 stainless steel plate, with high strength and corrosion resistance.

The removed body is made of aluminum alloy profile with the brand number of 6063 and T5 aging treatment, with the surface frosted and silver oxidation treatment, and has a beautiful and generous appearance.

2) The transmission mode is the bumper drive mechanism, no skid, high self-locking performance.

3) The water tank heating element is 24V silica gel and tropical, low pressure safety: install silica gel heating sheet at the bottom of the immersion tank.

The latest temperature control technology is adopted: rotate the temperature control knob to realize the temperature regulation control of the immersion tank, to ensure the different temperature requirements of different dyes.

4) The motor is 24V DC motor, low-voltage safety.

5) Lift and tilt adjustment mechanism:

When the electric push rod is normal, the paper tray is placed in the immersion tank. Start the lifting control button on both sides to control the electric push rod, realize the lifting and tilt Angle of the paper tray, automatic control saves manpower and ensure the full filtration and dyeing liquid of the immersed objects. By controlling the starting time of the electric pushrod on both sides; when the electric pushrod starts synchronously, the paper tray can be adjusted axial horizontally to manually adjust the front and rear tilt angle to fully filter the dye liquid.

6) Water overflow protection device.

The pipeline is installed on the immersion tank. When the pipe mouth height is reached, the dye liquid is discharged from the overflow pipe to prevent full overflow and excessive dilution of the dye liquid.

7) Drainage device: Install the drainage pipe at the bottom of the immersion tank for convenient and fast drainage.

#### 4. Main performance indicators:

- 1) The size of the immersion pool is: 720 \* width 520 long (if a wider width surface can be customized separately)
- 2) Temperature control range of dyeing tank: 20°~ 100° (be set by itself)
- 3) Tray lift speed: optional in the speed range of 20-50 mm / s
- 4) Rated power supply voltage: 24V ± 10% - - - -50Hz
- 5) Power: 500W
- 6). Body weight: 55KG

