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## Chapter 1 Automatic Blanket Washer (IMPACT)

Automatic blanket washer (IMPACT) is a device to remove dirt on the blanket cylinder with a washcloth (PREPAC) impregnated with a washing agent.

This device is composed of a horizontal cloth unit.

Outline of each composing parts is described here after.

**Cloth unit:** This is composed of cloth supply section, cloth take-up section, pad, pad on/off device and connector to carry out washing by depressing wash cloth taken out from cloth supply section against the blanket cylinder with pad and then the cloth is wound up on the cloth take-up section after washing.  
The connector is for connecting the cloth unit and the press.

1.  CAUTION

Operation in running includes a risk of trapping a hand or may give a damage to the press or this machine.

Be sure to operate the cloth unit after confirming stop of the press and this device. (Safety label is available)

2.  CAUTION

Never remove the cover of the cloth unit.

Operation without the cover may result in an injury by trapping a hand. (Safety label is available)

## 1.1 Handling of wash cloth (PREPAC)

1.



**CAUTION**

(1) In replacement and adjustment of wash cloth (PREPAC) be sure to stop the press and this device in advance. Carrying out in operation may receive injury or damage on the press and this device.

2.



**CAUTION**

(2) In replacing of wash cloth (PREPAC) your fingers may be caught if not following the operation procedure.  
(Safety labels are available)

3.



**CAUTION**

(3) In handling the wash cloth (PREPAC) read 3.2 of item 3 “Cautions for safety in handling”

## **Cautions**

1. Use PREPAC for the washcloth of this device. No wash cloth other than PREPAC can be used.

We are not responsible for the results if used wash cloth other than PREPAC.

2. Use the dedicated washcloth (PREPAC) for the automatic blanket washer.

3. The washcloth (PREPAC) is a disposable cloth. No repeated use is allowed after once used.

We are not responsible for the results came from reuse.

### **1.1.1 Wash cloth**

- (1) The wash cloth is wound in a roll and number of washing times per cloth differ depending on the wash program.

The wash cloth is advanced intermittently from the cloth supply roll to Pad and then it is taken up by the cloth take-up roll after washing of blanket.

- (2) For cautions in using and storing of wash clothes, refer to 5.2 and 5.3 of Item 5 “Cautions of this device and wash cloth”

## 1.2 Replacement of wash cloth of the cloth unit (usually)



### 1.2.1 Removal of used wash cloth (usually)

- 1) Place wastes on a flat wide place.
- 2) Place on used wash cloth.
- 3) Hold ends of the with both hands.(Photo.1)
- 4) Pull the cloth to your side by approx.1m while holding the cloth end. Release the hand from the cloth end and hold cloth ends near to the take-up shaft thus repeating the work several times. (Phto.2)
- 5) This complete removal of the used wash clothe from the take-up shaft.
- 6) Now in this condition you can mount the take-up shaft on the cleaned unit.

Remark: After removal of the wash cloth, check the supply / take-up shaft and the unit.

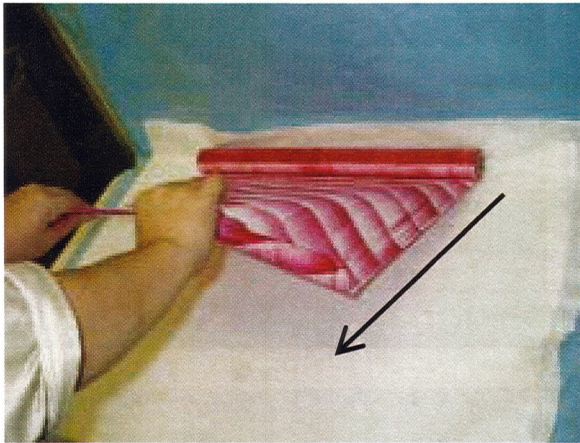


Photo 1

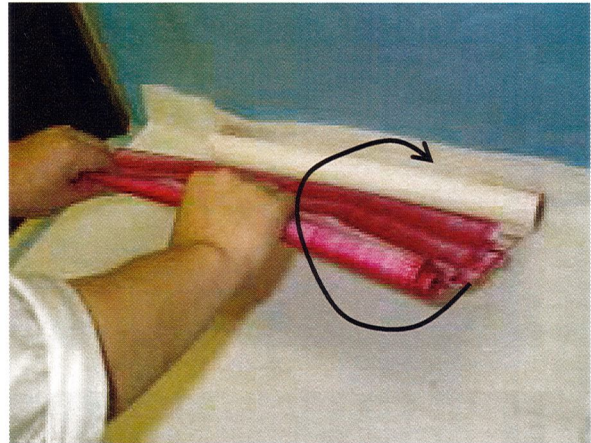


Photo 2

### 1.2.2 Mounting of a new PREPAC (wash cloth) (usually)

- 1) Take out the wash cloth from the package after tearing off the cut of a red tab. (Photo.3)
  - 2) Push the washcloth into the take-up shaft up to the bottom after confirming the wind-up direction. (Photo.4)
  - 3) Insert the supply shaft provided with the washcloth into the socket side. (Photo.5)
  - 4) While holding the supply shaft, release the knob for the supply shaft after aligning the supply shaft head with the groove by pulling the knob for the supply shaft.  
\* After mounting the supply shaft, check if the knob for the supply shaft has been restored completely.
  - 5) Pull out the washcloth from the supply shaft.(Photo.7,8)
  - 6) Route the cloth via the pad up to the take-up shaft.
  - 7) Wrap the washcloth approx.3 turns on the take-up shaft in the wind-up direction with both hands by holding the end of the washcloth. If not successful, confirm after referring to the manual. (Photo.9)
- (Confirm smooth action of the socket, Shaft and knob while working. Confirm also for cracks or damage on the surface.)

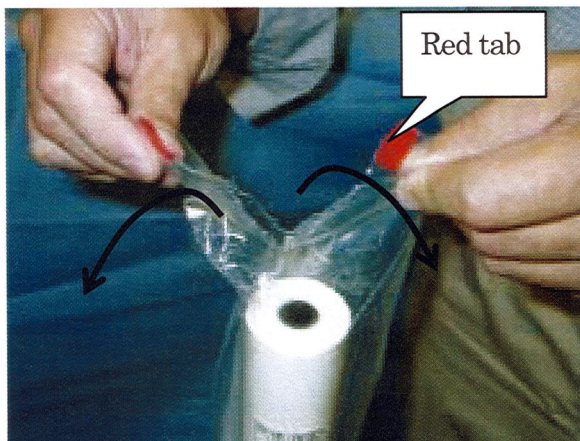


Photo 3



Photo 4

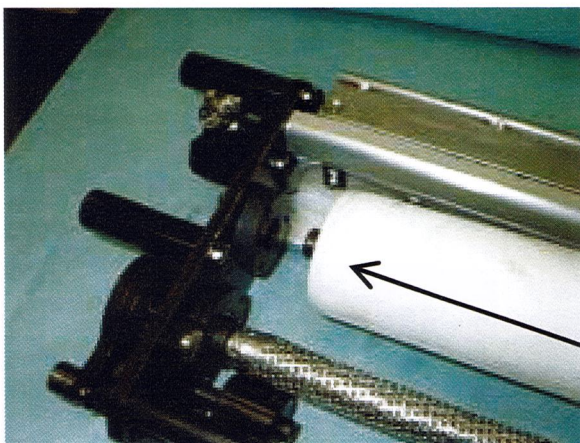


Photo 5

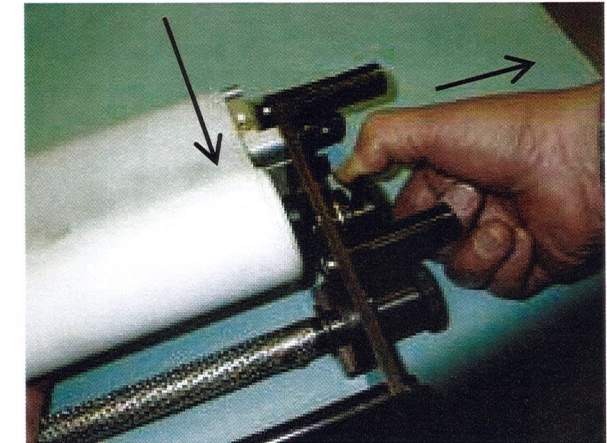


Photo 6

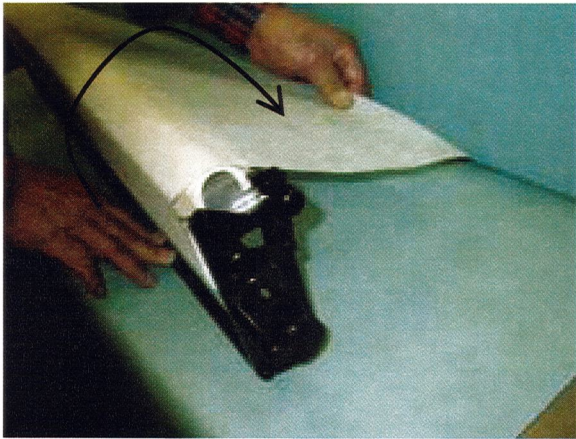


Photo 7

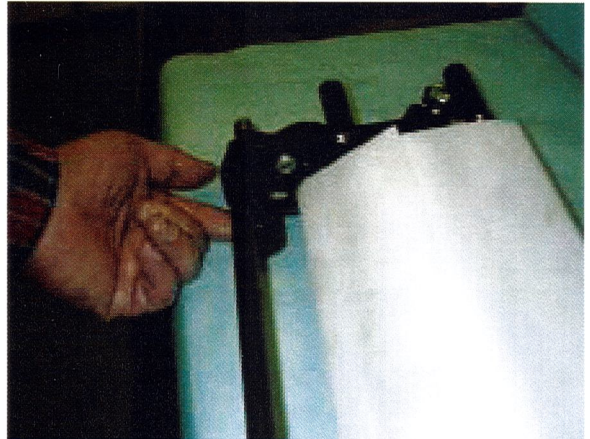


Photo 8

Photo 9

### 1.3 Replacement and adjustment of Pad

- 1.



### 1.3.2. Inspection and replacement of pad (at regular periodical inspection)

Pad replacement may be required for maximum effect of washing. It is required for the pad to be inspected every month. However be sure to check the pad for damage, crack, hardening and surface damage at every cloth replacement. If found abnormality, replace the pad in the following procedure. Necessary tooling is shown. (Photo.9)

#### Procedure

- 1) Place the unit horizontally on a flat and clear surface. (Work bench)
- 2) Remove all M6 screws. (Photo.8)
- 3) Remove the clamp bar and turn over the unit.
- 4) Remove similarly all M6 screws.
- 5) Cut the pad, in an appropriate length. (Photo.9,10)
- 6) After confirming no damage on the surface of the clamp bar and the inner bar, insert the pad only at one side to fix with screws. At this time be sent to confirm tightening of the screws. (Photo.11,12,13 )
- 7) Turn over again the unit to fix with screws with the clamp bar so that the pad is horizontal. Be sure to confirm tightening of the screws.

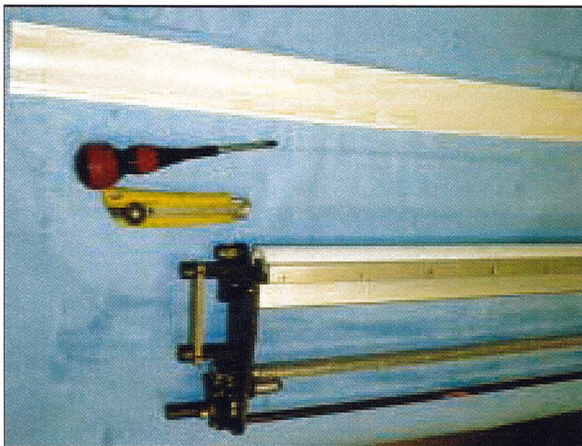


Photo 7

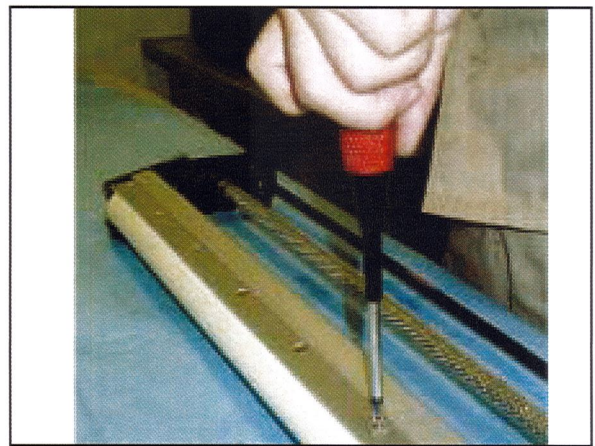


Photo 8

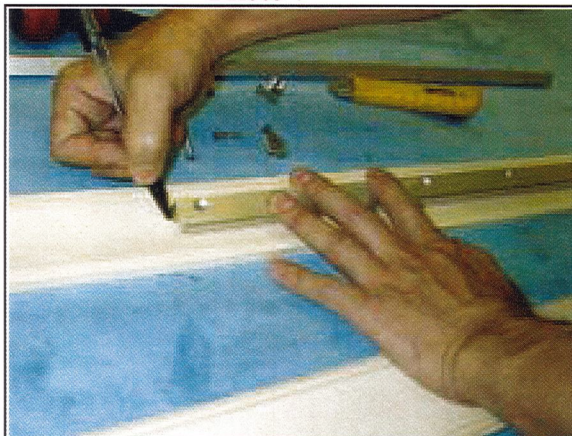


Photo 9



Photo 10

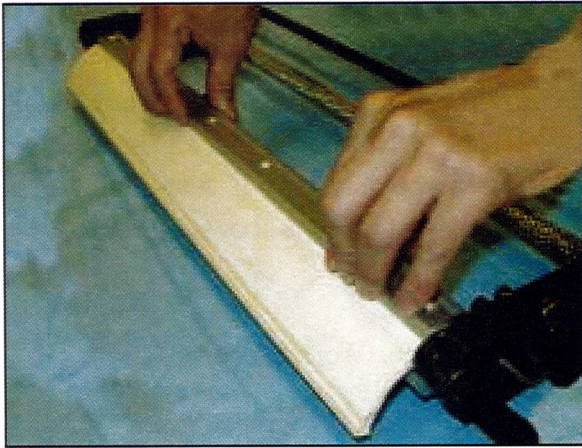


Photo 11

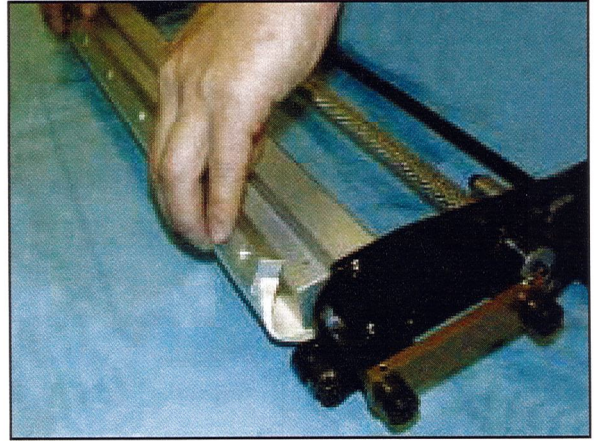


Photo 12

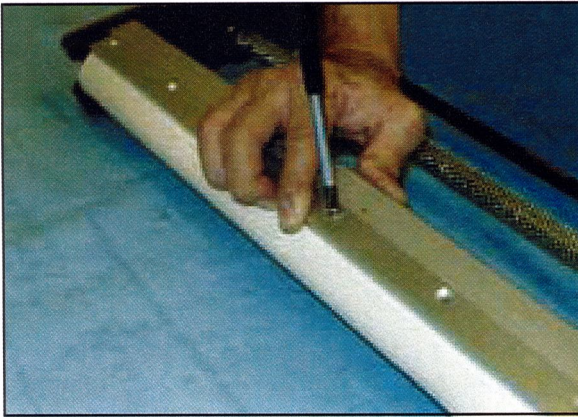


Photo 13

## 1.4. Maintenance inspection

(1)  **WARNING**

The wash cloth is impregnated with inflammable wash agent. There is no risk of explosion even if an open fire in the surroundings, but contact of the wash cloth with an open fire may catch fire. There shall be no fire in the surroundings when handling wash clothes.

(2)  **CAUTION**

In removal of the cloth unit, be sure to stop this device and the press in advance. If carried out in operation, you may be injured. and the press and this device may be damaged.

(3)  **CAUTION**

For maintenance inspection, be sure to stop this device and the press in advance. If carried out in operation, you may be injured. and the press and this device may be damaged.

(4)  **CAUTION**

In taking out the cloth unit to transport, hold the side plate or support bars. Holding up with the take-up shaft may drop the unit main.  
(Safety labels available)

### 1.4.1 Removal of cloth unit

In taking out the cloth unit from the press main for maintenance inspection, carry out in the following procedure.

When the press is in operation, never remove or mount the unit in any case. Convey the intent of removal / mounting of the unit in a advance to ensure safety by prevent work of the press.

#### Removal procedure

- 1) Remove the connector from the unit.
- 2) Remove the cloth unit from the adapter plate while depressing the left knob of the cloth unit.
- 3) Hold the handle to place the cloth unit slowly and gently on a flat place. Be sure to place the cloth unit horizontally. Vertical placing of the unit may damage the side plate or others.

### 1.4.2 Periodical inspection items

Inspect in accordance with the periodical inspection items on Table 1-5.

Table 1-5 Periodical inspection items

	Item	Contents	Frequency
Cloth unit	Pad	Inspect deterioration, cracks and their signs.	Every month

## 1.6 Composition

The contents of automatic blanket washer composition are shown on Fig.1-12.

The composition is shown in Fig.1-13 on page 16 and refer to 1.6.1 on page 17 for contents.

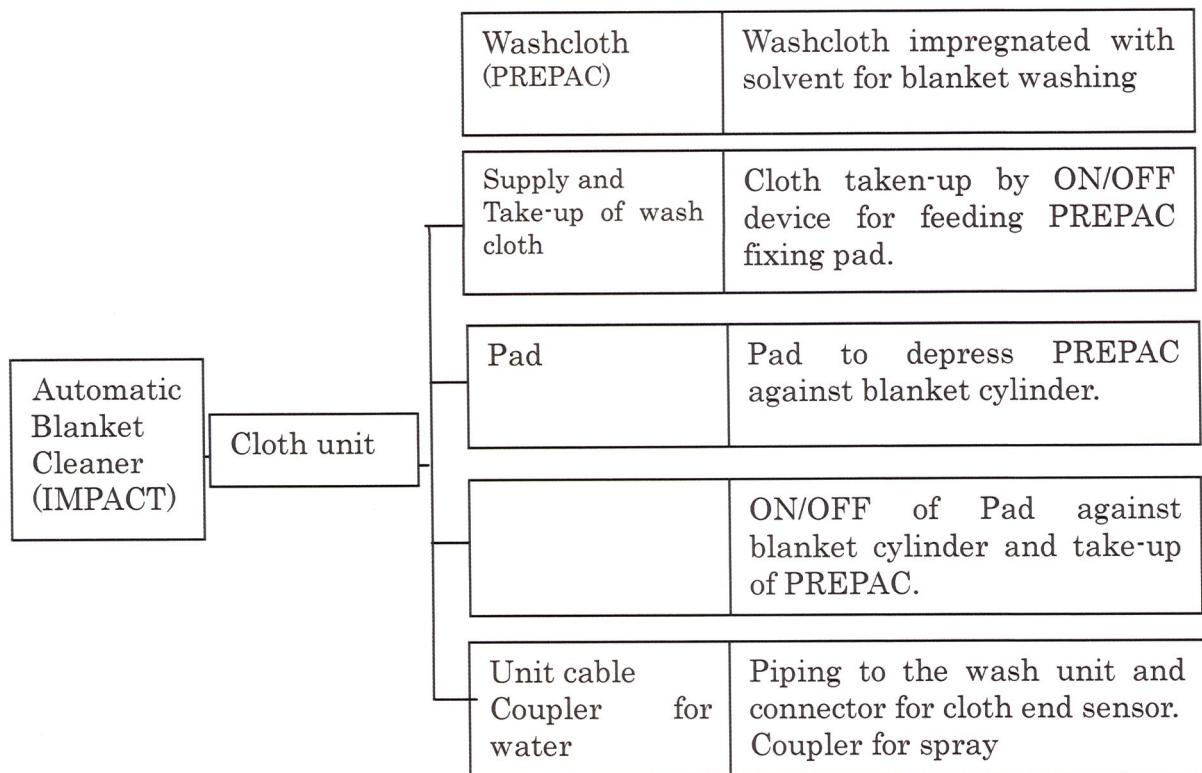
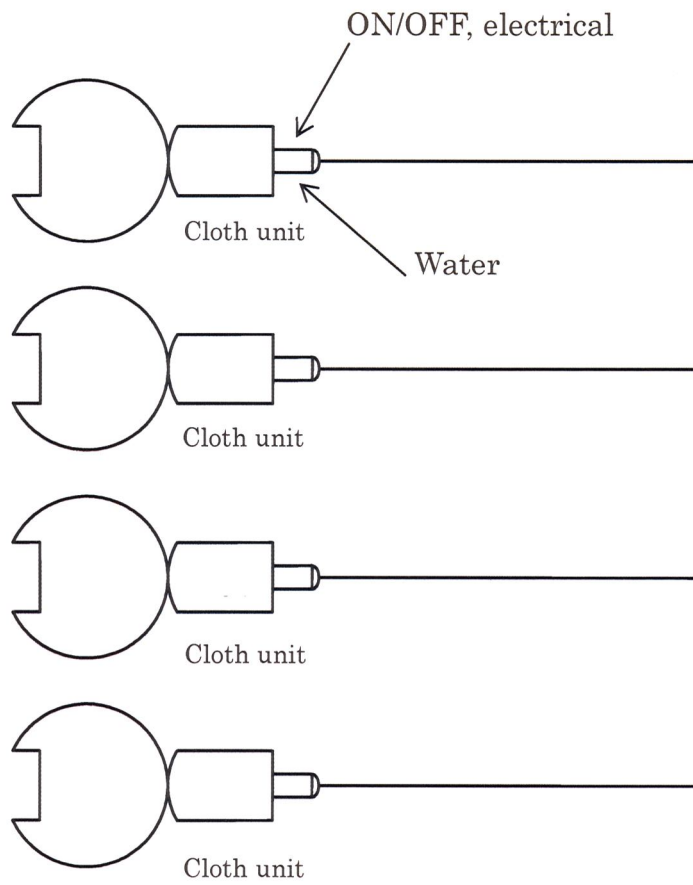


Fig.1-12 Composition of Automatic blanket washer



(Showing 4-color press)

Fig.1-13 IMPACT (Automatic blanket cleaner) configuration

### 1.6.1 Cloth unit

Cloth unit is the device to remove dirt by ink and paper dust on the blanket surface with a washcloth (PREPAC).

The cloth unit main is of a frame construction made of left and right two side plates and support bars supporting them. The connection with the press is supported with adapter plates fixed on the press frame.

The cloth unit is composed of the following (1) ~ (5).

(1) Wash cloth

Wash cloth (PREPAC) impregnated with solvent wound in a roll shape is used.

Number of possible washing differs depending on the wash program. For washing method, refer to Fig.1 ~2 "Wash program" on page 11.

In storing be sure to place horizontally.

(2) Cloth supply and take-up

Cloth supply section feeds wash-cloth intermittently from the cloth supply roll to the fixed pad. It is wound up as a used on the cloth take-up shaft after washing the blanket cylinder. The cloth is wound up with the cloth take-up shaft utilizing the action of the cloth unit.

(3) Pad

Pad depresses the wash cloth against the blanket cylinder to remove dirt from the blanket surface.

(4) Pad ON/OFF device

This device pushes the cloth unit closer to the blanket cylinder with the air cylinder to make washing by touching pad mounted on the unit on the blanket cylinder.

If not washing place the unit away from the blanket cylinder to keep pad away from the blanket cylinder.

(5) Unit cable

Piping for connecting the wash unit and the dispenser as well as connector for cloth end detecting sensor.

This is mounted at the left or right side of the wash unit.

## Chapter 2 Accessories and recommended spare parts

### 2.1 Accessories (Spare parts)

There are no accessories(spare).

### 2.2 Accessories

There are no accessories.

### 2.3 Consumable

#### **Cautions in using consumable**

We are not responsible for the results of using a cloth other than PREPAC or a fixed rubber pad not recommended by us.

#### (1) PREPAC (wash cloth)

Use our PREPAC (wash cloth) for the wash cloth used for this device.

PREPAC (wash cloth) is consumable.

When placing an order, please let us be informed of press manufacturer name, press name and wash cloth width.

#### (2) Pad

For the pad used for our device, use our recommended part.

Pad is consumable.

When placing an order for pad, let us be informed of the name of press manufacturer and press.



## 2.4 Information for supply of PREPAC (wash cloth)

In ordering PREPAC, please note the following

PREPAC (wash cloth) is a cloth impregnated with an environment friendly solvent but with a valid time.

Therefore your special attention is requested to the manufacturing time.

For your convenience in business and for our production schedule, we would like to ask your cooperation in placing an annual continued purchasing contract order.

- (1) In case of an annual continued purchasing contract: Automatic shipping  
The points of annual purchasing contact is as shown on page 28.  
(Partial change of contract contents is subject to discussion.)
- (2) In case of individual order: Requiring approx. 3 weeks for production period of 20 days, and in addition approximately 2 days for shipment.  
In case of individual ordering, please check in advance the stock and place an order 3 weeks before use.  
In ordering, use the form on next page.
- (3) Please accept no shipment from us on Saturday.
- (4) If delivery on a Saturday is unacceptable, let us be informed when placing an order.