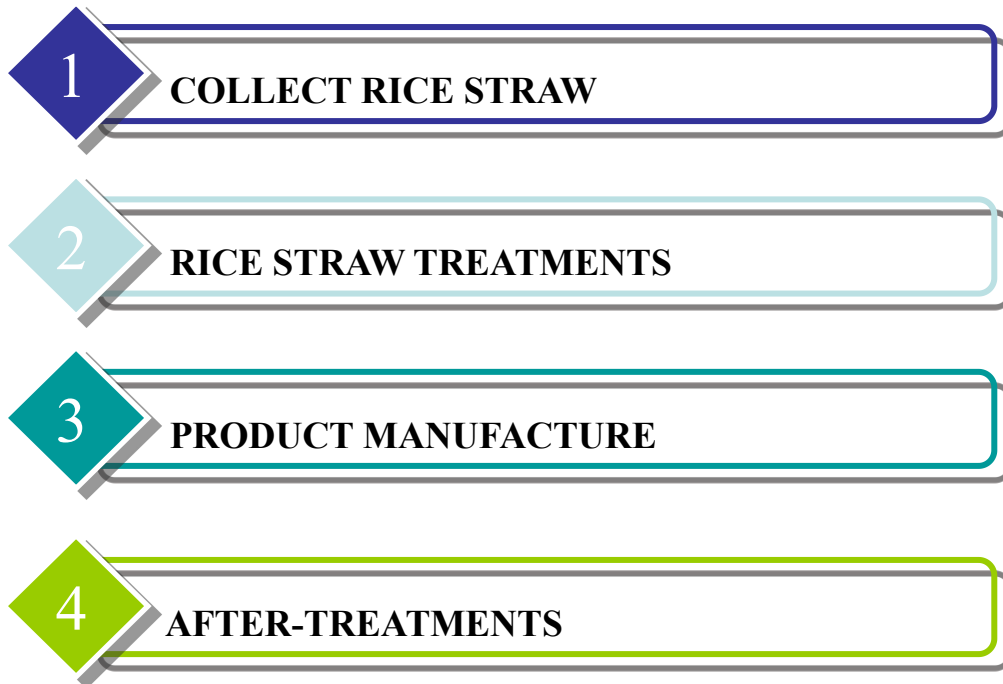




MANUFACTURE PROCESSES OF TATAMI MAT





Step 1



Collect Rice Straw

Only more than 400 days outside stacked rice straw can be purchased, less moisture than new reaped rice straw. There is no guarantee that farmers do not use agricultural chemicals while farming, however, more than 400 days outside stacking can dilute nearly all the agricultural chemicals. Tatami mat is easy to grow bugs and uneven after a period of time use if made of new reaped rice straw.



Step 2

1



Drying Chamber

Material: Diesel Oil
Temperature: 80°C
Treatment Time: 6h

Before the manufacture, rice straw will be put into a drying chamber to heat for at least 6 hours to kill pests and its eggs, also guarantee the final moisture content of tatamis is about 14%.



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2



Fumigation Chamber

Material: Aluminium Phosphide

Temperature: Normal

Treatment Time: 48h

The heated rice straw will be transferred to a fumigation chamber, after 48 hours fumigation using aluminium phosphide. Before manufacture, the rice straw have to put aside for at least 24 hours to disperse the chemicals.



Step 3



1



Plastic paper or igusa mat is on the bottom, put 2 layers rice straw. A machine will put 1 layer chopped rice straw, later put another 4 layers rice straw. So 7 layers of each tatami mat.



2



This machine will compress 7 layers rice straw into the demanded thickness, then cut into the specified length.

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3



Semi-finished tatami mats will be stocked in the warehouse to wait for production.



4



Semi-productions will be sewed one rush mat surfaces and borders by different machines.



5



Checkers will carefully measure length, width and thickness of each tatami and deal with the mat, border and bottom.



Step 4



The finished tatami mats will be sent into another fumigation container for 48h treatment to kill pest and its eggs of rush mat surfaces. Then put aside for at least 24 hours to disperse the chemicals before packaging.

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