

**TAIZEN**

# TAIZEN CYLINDER PRESS

**PATENTED**

**DUBLE CYLINDER TYPE  
DEWATERING MACHINE  
BY AIR PRESSURIZING  
AND INVERTER CONTROL**



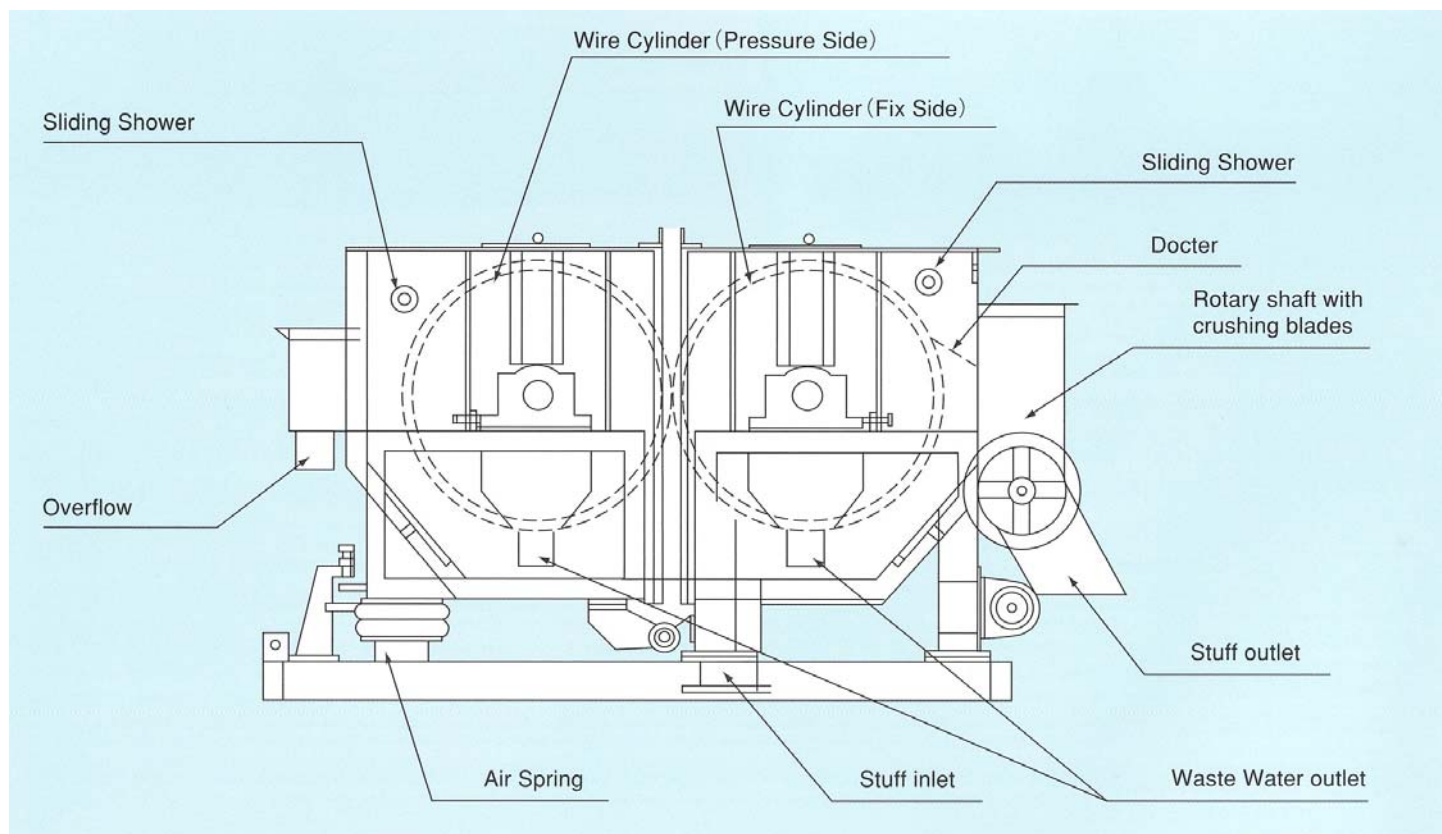
**HIGH DEWATERING TAKE ALL  
THE MORE**



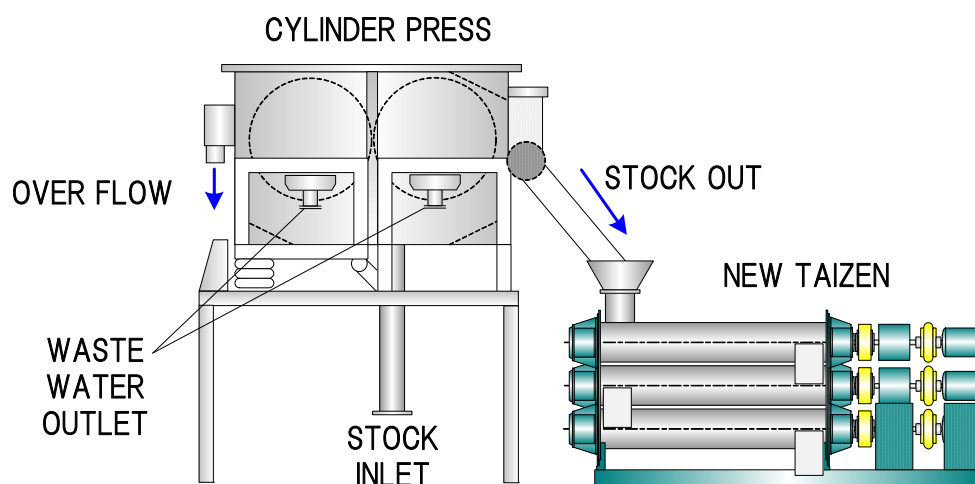
**TAIZEN CO., LTD.**

TAIZEN TECHNICAL R&D LAB INC.

# HIGHER PERFORMANCE DEWATERING MACHINE TAIZEN CYLINDER PRESS



A need for good quality waste papers has become increasingly important for the pulp and paper industry. Under such circumstances, we have concentrated all sorts of efforts to develop waste paper treating machineries to meet contemporary needs. We found the kneading applied to the stock while processing produces a good result in terms of deinking, and that the dewatering prior to kneading is an important point for deinking. Double Cylinder Press Machine developed for this purpose is applicable to any type of waste paper stock as well as a virgin pulp. We are, with an original state-of-the-technology and know-how as well as practical experiences in the pulp and paper stock preparation machineries, always at your disposal for the request to improve your stock preparation system and equipments serving you as a good and reliable adviser.



The patented cylinder-press machine installed immediately prior to the kneading machine allows an enough dewatering of the stock to enhance the deinking and its dispersion.

## STRUCTURE AND PRINCIPLE

The waste paper stock supplied through the stock-inlet pipe underneath the cylinder vat, is dewatered to a higher concentration between two rotating wire-cylinders covered with respectively different size of wire-mesh, first by a natural filtration and successively by an air-pressurizing at the touch point. The paper stock stick on the finer-meshed cylinder is scraped off by the doctor, raked up by the rake-up conveyor and proceeds to the subsequent process.



Superior dewatering, higher yield and less trouble-shooting with simple structure and less power.

## FEATURES

- Most effective dewatering is available (Stock consistency of 3- 5% at the inlet and 15-30% at the outlet).
- Natural vacuum system minimizes power consumption.
- Vat type process makes quick and straight dewatering from the low consistency right up to the higher and simplifies the stock processing flow.
- Higher pulp yield resulted from a lower concentration of fibers in effluent.
- Higher performance naturally less space for the installation.
- A uniform treatment against the fluctuation of inlet stock concentration by way of air-cushion pressurizing.
- An easy control of quantity and concentration of the stock by an inverter control.
- Less consumable attachments and parts, and easier maintenance.

## TAIZEN CYLINDER PRESS SPECIFICATIONS

T y p e	TC-1080	TC-1225	TC-1525	TC-1530	TC-1540
Capacity *	30T/D	50T/D	70T/D	100T/D	150T/D
Dimension **	1000 $\phi$ × 1800	1200 $\phi$ × 2500	1500 $\phi$ × 2500	1500 $\phi$ × 3000	1500 $\phi$ × 4000
Main Motor	5.5kw × 4P	5.5kw × 4P	7.5kw × 4P	7.5kw × 4P	11kw × 4P
Inclination Adjustment	Air Spring				
Air Cushion	2~7kgf / cm <sup>2</sup>				
Material	SUS304 for liquid-contacting parts				

The type of equipment is selected according to the kinds of raw materials.

We are ready to make the other type than those described above upon your order.

Remarks \* : in terms of raw material tonnage to be fed ; \*\* : in mm.



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