

BASIC ARRANGEMENT

K Flow-H Headbox

The optimum level of intensified micro turbulence generated by the combination of step manifold and turbulence generator which are made of 316L stainless steel, has enabled us to obtain excellent stock dispersion for superior streak-free formation.

Flat pre-drainage zone

The table arrangement conforming to the given range of paper grades and machine speeds realizes gradual drainage for better F.P.R., keeping proper stock turbulence.

Sheet transfer zone

Moisture content of the sheet at the place both wires are separated each other, is approx. 90% which is optimum for multi ply board. Depending on the wire run, wet web is picked up to either side of wires, then transferred to the transfer felt and goes to the next unit.

Twin wire drainage zone

Dandy Roll

As dandy roll gives strong shear force to the stock pond at the “converging nip” created between making wire and forming wire, so fibers are re-dispersed, and this results in improving formation remarkably.

When shear force is given to the pond by dandy roll, absolutely no crushing is occurred because the stock suspension which passed through the nip, is held inside of making wire.

Arc Shoe

Strong pressure pulse by arc shoe amplify the turbulence of sufficiently free stock suspension (consistency is less than 2.0%) to the maximum level on the arc area extended to forming roll, resulting in further improvement of sheet formation.

DANDY ROLL ACTION

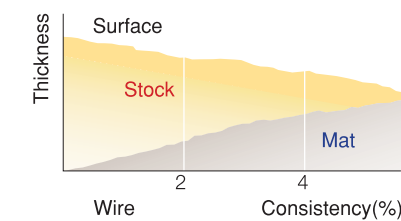


Without dandy roll
600m/min, at 50 g/m²

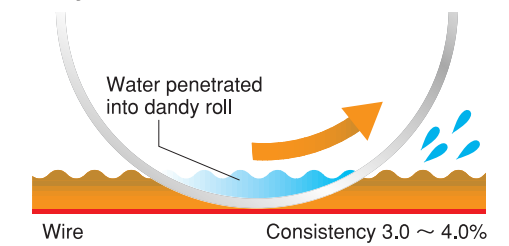


With dandy roll

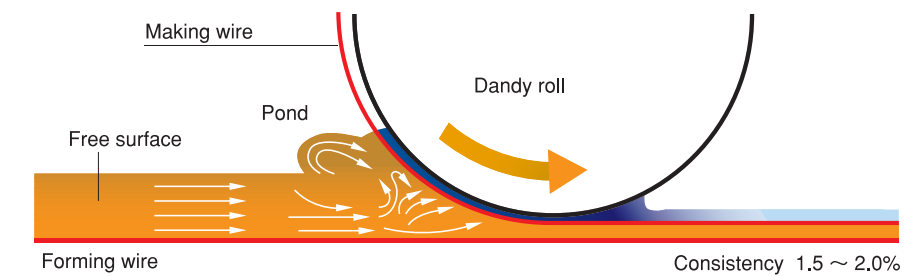
Sheet Forming Model



Dandy roll for Fourdrinier



Dandy roll for Success Former

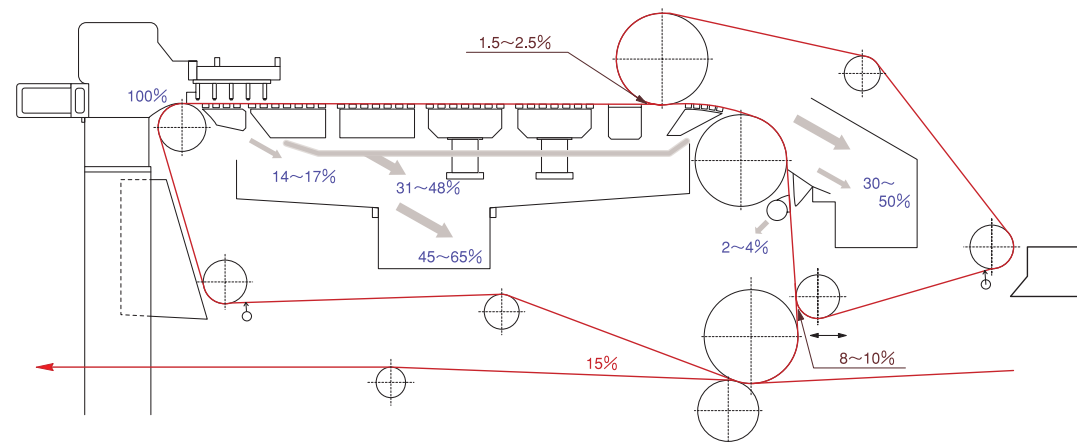


Success Former

Success Former is a twin wire former which has been developed to achieve better sheet formation and higher productivity than Ultra Twin Former which had the highest speed and drainage capacity among our Ultra Former Series.

The shear force generated by dandy roll remarkably improves the formation of the stock suspension which is pre-drained in the flat forming zone.

Success Former is applicable for almost all grades, from high quality white board, liner board, corrugating medium to specialty paper, etc.



SPECIFIC FEATURES

Excellent streak-free formation

- Superior fiber orientation
- High smoothness
- Uniform CD profile

High First Pass Retention

- Improvement of F.P.R. by soft drainage at flat pre-drainage zone

High drainage capacity from low to high speed

- High productivity with less number of unit
- Wide range of machine speed and basis weight
- High physical strength and low stock cost
- Less number of unit and less space requirement
- Low energy consumption

Improvement of two-sidedness by twin wire drainage

PERFORMANCE

- Machine speed range
100 ~ 1100m/min.
- Capacity
(Stock loading per former unit)
Top layer 25~100 g/m²
Filler layer Max. 200 g/m²

