



TWIN™ ABC

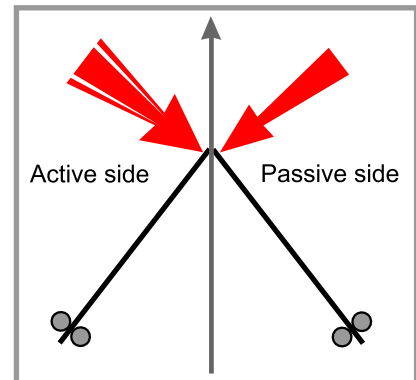
A company within

The basic concept of the TWIN ABC is to use the blade coating process on both sides of the web in a single step. This is achieved through having two blades positioned in a mirror image of each other, one on each side of the paper web, with their tips separated only by the thickness of the paper. This concept has been dreamed of for 20 years, but it is only now possible through two new innovations:

- The ABC blade loading principle
- The soft tip coating blades

The ABC principle uses blade loading at the very tip, this keeps the blades completely straight during all phases of operation and for all blade pressures and angles. Since the blades never bend, the position and angle of each blade tip is always known and under exacting control. Only with this perfect control does the blade tip alignment become precise and repeatable.

The profiling is achieved by adjusting the blade pressure of one of the blades against the other. The many individual pneumatic actuators that apply pressure across the web's width respond

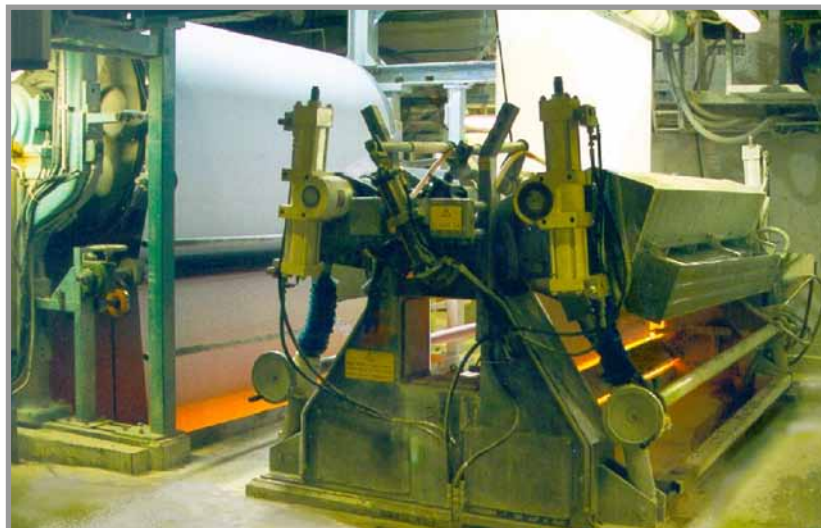


Ink mottle and curl tendency is virtually eliminated.

With an equal and simultaneous wetting of the paper or board from both sides, the subsequent drying does not produce the stresses that cause curl. The TWIN ABC coater uses the revolutionary new "soft-tip" blade technology. The exceptional uniformity of fiber coverage produced, results in a mottle free printing surface.

With TWIN ABC your project will be straight forward, and exactly meet your needs!

The TWIN ABC is made to fit into your plant, i. e. the scope of supply is adapted to the needs of each project. Existing equipment will be utilized to the fullest possible extent. Your installed cost will be lower!

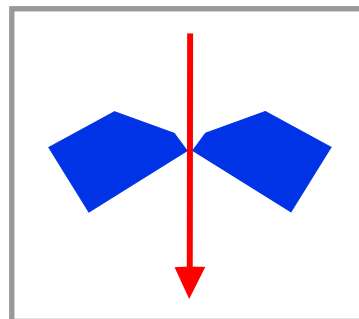
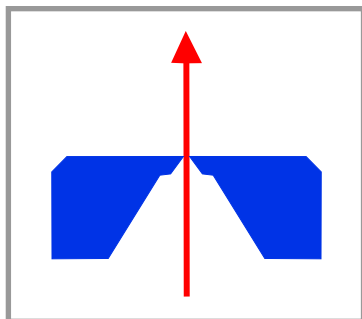
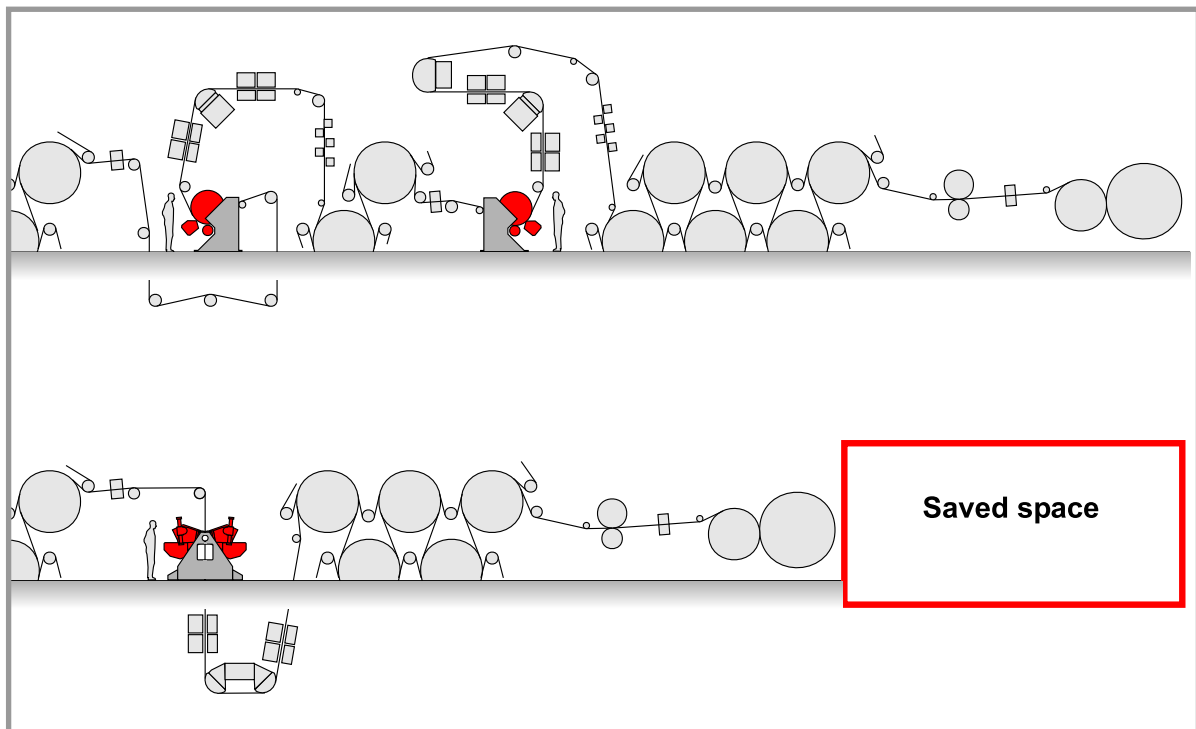


Find a solution within your limited space!

Your paper or board can be coated in a space less than one- third the size of the most efficient two-station layout. Also with the TWIN ABC coater there are no drive, therefore the difficulties of motor and gearbox placement is eliminated. The coater can be placed almost anywhere!

The size of the coater itself is minimal. This means that it can be installed in a small space. The fact that there is no drive facilitates the lay-out design even more. Which makes the installation on the backside of the machine very simple. The TWIN ABC can be installed in an upwards or downwards configuration.

The TWIN ABC plus the necessary auxiliary equipment for web handling require about one- third of the investment cost as compared to a conventional two- station installation. And when there is less equipment to install and less of your existing equipment to move, the installation time required will be much shorter.

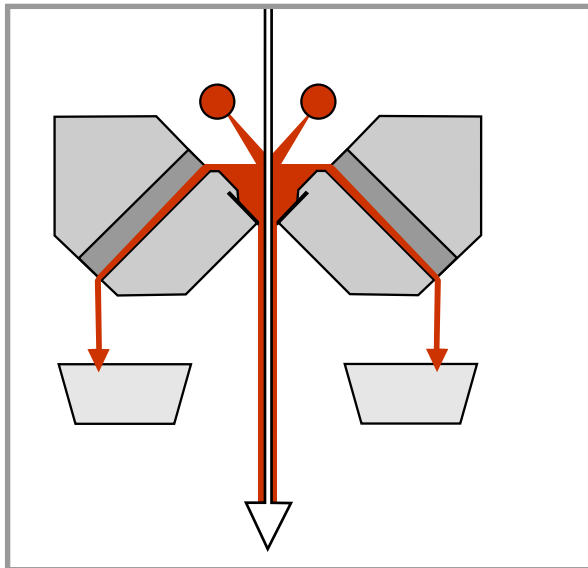


TWIN ABC for a downwards web run:

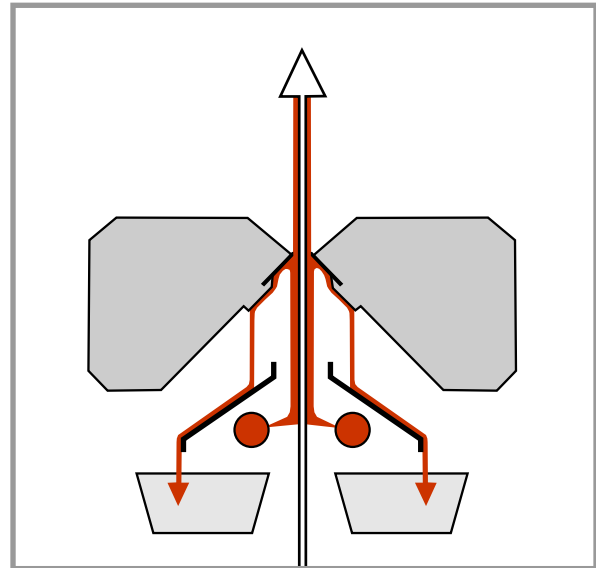
In this configuration the blades come together forming a V-shaped pond with the paper running vertically downward between them. The coating pond, with a full width overflow system, evenly applies coating to the paper surface with an absolute minimal recirculation rate. Piping, filters and pumps can be sized small and economically. This method is ideal for moderate speeds of C-2-S coating

TWIN ABC for upwards web run:

The TWIN ABC with upwards layout can be utilized for C-2-S as well as C-1-S applications. The coating color is added by fountain applicators on each side of the web. The benefit being a perfect side-to-side color separation. This coating method is also applicable to high machine speeds!



TWIN ABC downwards



TWIN ABC upwards