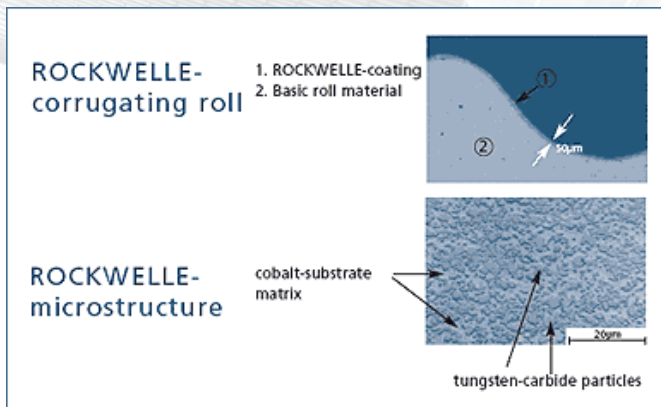


CORRUGATING ROLLS

ROCKWELLE

Our Corrugating Rolls are coated with Tungsten Carbide. This coating has very good adhesion to the base material and is extremely hard without becoming brittle. The surface wear is so infinitesimal that the geometry of the profile is stable throughout the long lifetimes of the corrugating rolls.



Advantages of ROCKWELLE® coating:

- + extremely long lifespan
- + stable profile geometry
- + optimised paper clearance, high production speed
- + lifetime increases by 200%
- + reduction of roll cost by 30%
- + reduction of cost per linear meter by 75%

ROCKPROFILE

The optimised ROCKPROFILE is designed individually for each application. Different parameters - for example type of single facer, paper grades used or production speeds - have to be considered. The take-up ratio can be reduced significantly or even better corrugating board strength is achieved.

Advantages of ROCKWELLE® coating:

- + highest possible board quality over the whole lifetime due to the minimisation of the tension factor.
- + less fluting paper consumption due to reduction of the take up factor
- + Increase of board strength by up to 10% especially on coarse flutes

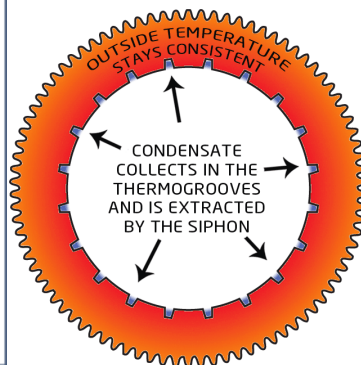
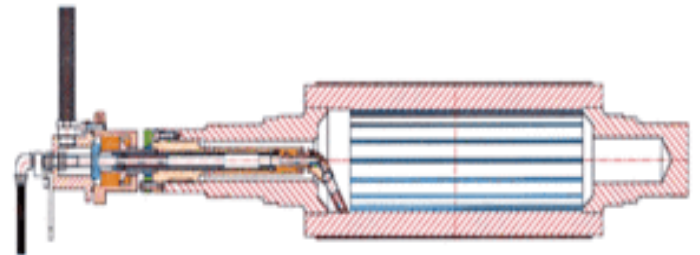
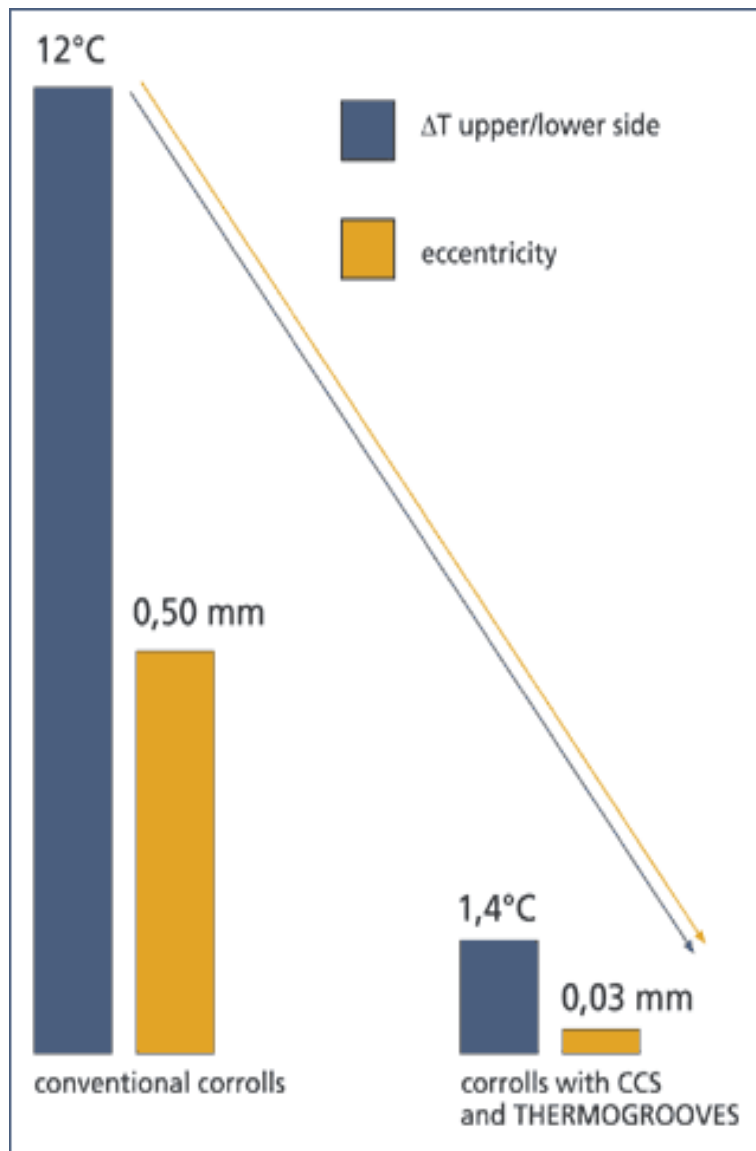
	Take-up ratio conv. profile	Take-up ratio ROCKPROFILE
C-Flute	1.42	1.34 - 1.38
B-Flute	1.31	1.27 - 1.30
E-Flute	1.24	1.18 - 1.21

Controlled Condensate System THERMOGROOVES

Because our CCS / Thermogrooves prevent an insulating condensate ring in the rolls the condensate is sucked out before it hinders the heat transfer. The result is a higher surface temperature. In addition the rolls are dimensionally stable after a stop, so that no distortion occurs anymore.

This leads to following advantages for your production:

- + You can run higher production speed due to the better heat transfer and a better bonding of the board.
- + You can expect 2-5% less paper consumption because there is no waste after stops, no distortion of rolls any more.
- + No maintenance, because the whole system needs no adjustment and no service.



The university of Coburg has made a test run with a conventional system and our CCS/Thermogrooves. The figures in the diagram show the temperature difference of the top and bottom of the corrals as well as the distortion after a stop of 30 minutes