



Maxson Automatic Machinery Company

Penetrating Breaker Roll Decurl Unit Design

The MAXSON penetrating breaker roll decurl unit, mechanically flattens the incoming web caused by roll set near the core. The penetrating breaker roll design employs free spinning breaker roll assemblies that are supported across the width of the assembly by back up bearings, which are mounted on a rigid cross member. The breaker roll penetrates into the web between king rolls, decurling the web.

- The decurl assemblies can accommodate multiple webs, ranging from 40# - 0.040" thick (60 – 800 gsm)
- Each decurl station can be outfitted with various diameter breaker rolls that can flatten the web without damaging the surface of the material ("checking").
- Positioning the decurl penetration can be accomplished manually or automatically by motorized controls.
- The freestanding assemblies are designed to easily fit between the infeed of the sheeter and the roll stand area to minimize installation effort.
- Properly designed decurl units can reduce roll waste by up to 2% of total weight.

Max. Width: 100" (2450 mm)

Max. Caliper: 0.040" (1000 gsm),

Max. Speed: 1300 fpm (396 mpm)