

MICREX®/Microcreper



The MICREX Process is a unique, uncomplicated, mechanical technology to impart functional (stretch, extensibility, absorbency, bulk) and esthetic (softness, drape, hand) qualities to a wide range of web structures.

There are **five basic configurations** of the MICREX/Microcreper: Comb Roll, Rigid Retarder, Bladeless, Flat Blade and Two Roll. There are also four proprietary configurations which are only available under a technology license.

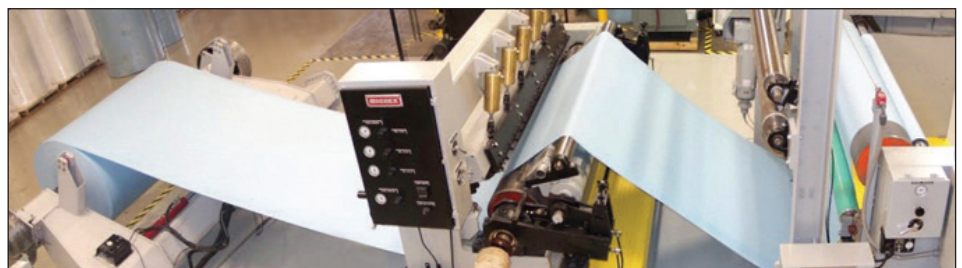
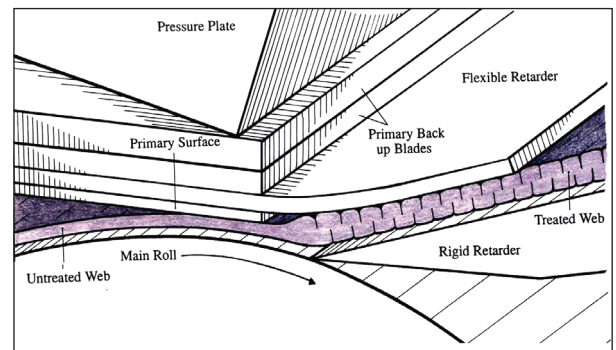
Rigid Retarder (example configuration)

The operation is a simple mechanical technology, in which the management of geometry and force can be precisely controlled. By adjusting the controls, varying amounts of residual

compaction and crepe profile can be obtained – depending upon the desired result and the characteristics of the material being treated.

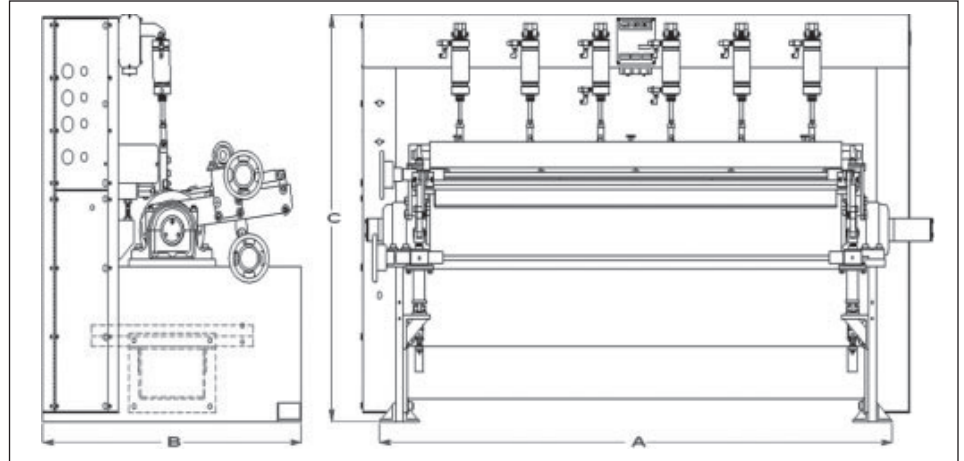
The MICREX Process has numerous benefits: Speeds of up to 300 meters per minute can be obtained on some substrates. As a mechanical process, it is also environmentally friendly. Consumable parts usage is low, with parts costing less than 4/10 of a cent (\$0.004) per square meter of material processed.

MICREX/Microcrepers (in basic configurations) are available in widths ranging from 42" (1067 mm) to 124" (3150 mm). Systems are designed to be operated by a single operator. A PLC controlled digital drive system runs at speeds up to 300 meters per minute, depending upon substrate conditions.



MICREX[®]/Microcreper

MICREX can supply just the Microcreper itself or a complete turn-key system, including unwind, rewind slitter and PLC controlled drive system. Software for data collection can easily be integrated into the system design.



Roll Face & Model	Machine Width (A)	Machine Length (B)	Machine Height (C)	Working Width	Weight
1067 mm (42")	1450 mm	1219 mm	1727 mm	965 mm	1820 kg
1626 mm (64")	1956 mm	1219 mm	1727 mm	1524 mm	2500 kg
1930 mm (76")	2261 mm	1219 mm	1727 mm	1828 mm	2720 kg
2235 mm (88T")	2692 mm	1219 mm	1727 mm	2134 mm	3000 kg
2235 mm (88")	2692 mm	1422 mm	1829 mm	2134 mm	4080 kg
2540 mm (100")	2997 mm	1422 mm	1829 mm	2438 mm	4540 kg
3150 mm (124")	3607 mm	1422 mm	1829 mm	3048 mm	5910 kg

To evaluate the benefits of the MICREX/Microcreper on your materials, contact MICREX directly. MICREX will arrange a **free trial** using your materials at our lab.

Note: Not all materials can be processed successfully. MICREX can only represent performance on materials where trials have been performed on a commercial scale.