



The Union Tool Corp.

1144 N. Detroit St. (St. Rd. 15 N) 46580
P.O. Box 935 / Warsaw, IN 46581-0935
Phone: (574) 267-3211 / FAX: (574) 267-5703

E-mail: sales@uniontoolcorp.com
Web Site: www.uniontoolcorp.com

PRODUCT BULLETIN

Series #45 Roller Coater

(Foam to Foam Lamination)



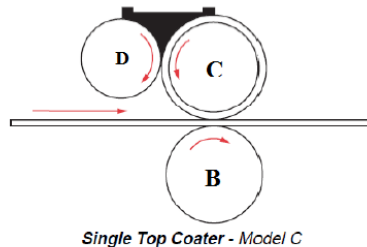
ROLLER COATER Series #45

A roller coater designed to apply a variety of different coating materials including water base adhesives, resin adhesives, solvent based adhesives, etc. to a variety of different flat foam substrates up to 98" wide. Both single-sided and double-sided models are available, as either stand-alone or in-line units with optional infeed and offbearing conveyors.

SYNONYMS

Roller coater, adhesive spreader, roll coater, panel coater, sheet coater, glue spreader, and coating machine.

ROLL CONFIGURATION



In our *Model C Coater Roll Configuration*, the water base adhesive is held in the trough between the coating roll and its companion doctor roll, top only.

OPERATIONAL DESCRIPTION

The Union Series #45 Roller Coater was designed for customers who require an extremely rugged, dependable roller coater. The 8.75" diameter coating roll and the 6.5" diameter doctor roll are constructed of extra-heavy wall tubing and are mounted in heavy-duty, anti-friction, self-aligning ball bearings. The heavy-duty construction allows the Series #45 to be built in widths ranging from 12" to 98". Coating speeds up to 120l.f.p.m are possible while applying a smooth, even, controllable coating to a wide variety of foam sheets.

Standard construction features includes a single hand-wheel to adjust the upper coating head in a vertical plane in order to compensate for various substrate thicknesses. Unifeed hand crank adjustments move the doctor roll(s) bearing assemblies in relationship to the coating roll to adjust the amount of coating being applied. All coating and/or backup rolls are powered through a chain drive, complete with spring-loaded take-ups.

Standard safety features include a safety cable located around the perimeter of the coater to reverse the direction of the powered rolls in the event of an emergency. Sheet metal and lexan guarding enclose the upper coating head area. The drive system, as well as, all moving parts are shielded with sheet metal, lexan, and expanded sheet metal guards or covers to protect the operator.

Optional equipment includes (but not limited to):

- Automatic Glue Gravity Feed System
- Automatic Coating Head Thickness Sensor Adjustment
- Automatic or Manually controlled Infeed/Outfeed Conveyors
- Independent Doctor Roll Speed Drive
- Complete PLC Integration for all system controls