

Dumor!



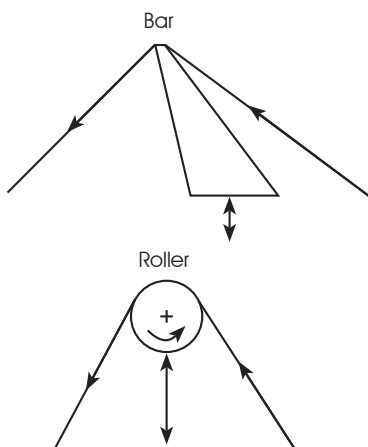
Innovation! Quality! Value!



Picture shows Trident 46 fitted with optional film slitters and cross cutter

Dumor hot/cold **trident laminators**

Anti-Curling



New and unique: The trident series of double and single sided laminators allows you to do all possible kinds of lamination with just one ultra compact flexible machine at a really attractive price!

- Single sided thin film / thin substrate
- Single side thin film / thicker substrate with double sided print
- Double sided thick film medium to thick substrate encapsulation
- Cold film pressure sealing

The trident has a totally new de-curling system with 2 distinct types of de-curler. A unique variable height rotating roller for de-curling of thicker stock with absolutely no scratching of the inner side, perfect for digital print. A variable height de-curling bar for sharper de-curling of thin stock that usually can't be de-curved properly. A bypass for straight through flow of double sided laminate. This, coupled with the best quality of soft silicone rollers, will absorb any digital print height variance on the sheet and eliminate bubbling. Make no mistake! This industrial duty machine is probably the best that money can buy and is made in the most modern production facilities.



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Technical specifications

Model	Dumor Digilam 36 / 46 / 66 / 110
Width	36 or 46 or 66 cm with de-curling, 110 double sided only
Control panel	Digital
Optimal film thickness	From 20 mic bopp for single-sided use to 200 mic pet for double-sided use
	2 types of de-curler fitted: Roller and blade

Upper and lower roll holders
 Extra high upper roll holder is suitable for jumbo rolls to ca. 30cm diameter upper, to ca. 20cm diameter lower.
 Floating tensioner roller
 Adjustable web tensioner brake
 1 / 3 inch mandrels on upper holder
 Finest full conformal silicone rubber heated rolls
 Most sensitive heat thermostat on the roller core
 Adjustable pressure to 400N (40 kgf)
 Infinitely adjustable de-curler bar and roller
 De-curler bypass function
 Model 110 is fitted with a paper rewinder

Substrate	To 2 mm
Warm up time	Ca. 10 min
Temp. adjustment	Cold up to 150 degrees Celsius
Speed adjustment	From 0.3 to 3 m/min in 9 steps

Digital heat and speed display
 Single side heat cut off switch
 Reverse function
 Adjustable left side lay
 Safety cover with interlock

Optional: Film trimmer rotary knives with guards, film cross slitter at the out feed, film cutter tool.

- Note, sheets with fuser oil should be left to dry for 4 to 6 hours before lamination, to avoid bubbling, special film with heavy glue application may be needed for best results when used with xerographic production.
- Note, stands are delivered as standard with the model 66 and 110.
- Trimming of the film overhang may reduce adherence.

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Features

- All the laminators feature high spec silicone rollers which are far better than natural rubber rollers found on cheaper machines. The advantage of the silicone rubber rollers is that they are more conforming to the thickness of the digital print (yes digital printer toner and ink has a definite thickness that makes the surface of the sheet irregular) and better presses the laminate to the substrate. This is because the silicone rubber gives a little to take up the irregular surface and gives a more equal pressure to the film, reducing the incidence of bubbles under the film*
- The machines all are robustly built with heavy roller steel cores, heavy side frames and heavy duty drive motors and electrics
- Quick warm up time
- The laminate rolls are easily mounted to the roller shafts which can adapt to several core sizes
- The finished products is outfed by the secondary feed rollers
- The film web tension is controlled by the tension rollers
- The mandrel turning resistance (tension on the film) can be adjusted
- The roller spacing can be adjusted by knob to many positions for different thickness of substrate to 0.6 mm, the top roller is held down by spring pressure on to the laminate
- The control panel is easy to understand and allows you to adjust temperature, feed speed, forward or back motion, according to the substrate and film requirements. The last settings are memorized for your convenience
- The infeed of the film web is easy and straightforward
- The infeed area is guarded
- There is an adjustable left side guide on the infeed table to align the substrate to be fed into the rolls
- A reverse function is also included
- An optional corner rounder with 2 diameter punch tools is available to finish the process

Dumor Trident 46

