



INNOVATIVE COATING TECHNOLOGY IN THE TECHNICAL CENTRE OF OLBRICH GMBH

OLBRICH is expanding its already more than extensive range of available coating technologies in its technical center in Bocholt. The coating specialist from Bocholt starts with its newly available dual layer slot die from Nordson EDI exactly where many ideas could not be implemented until now due to low process speeds. Many products do not obtain their final characteristics from just a single coating. Therefore, it is often coated, dried or hardened, cooled sequentially and then again coated, step by step until the finished product is obtained.

With the new Nordson EDI dual layer slot die with a coating width from 500 to 1.050 mm OLBRICH now offers completely new possibilities. The experience of wet-in-wet coating with the aid of slide curtain technology, which has been positive for decades, can be raised to a completely new level with the aid of the dual layer coating die for completely new fields of application and wider process windows. The slide curtain requires a minimum web velocity and film

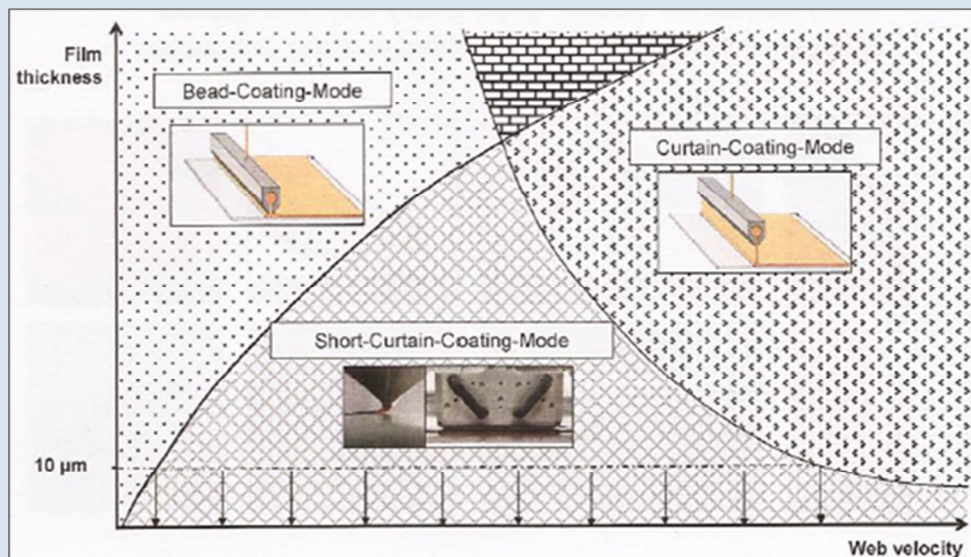


Picture: Dual layer slot die in the technical centre BA2, coating width 1.050 mm

thickness for its reliable operation. Products such as decorative foils, tapes or special inkjet papers can often be produced industrially but not at the speeds required to meet the demands of a stable curtain. This restriction prevents the broad commercialization of this technology. With the new dual layer die in the OLBRICH technical center, the high speed requirements of the classic slide curtain have now been removed from the list of requirements.

Dual layer wet-in-wet products with for instance 10µm and 30µm coating

thickness and only a few m/min process speeds can now be presented. The advantages of the slot die technology such as a higher applicable viscosity, and thus often also a higher content of solids in the coating medium, stay fully preserved with the dual layer slot die. Of course, the dual layer slot die can also be used as a single layer slot die.



Picture: Process Windows of Slot Dies, Source KIT, Karlsruhe

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AMI's Polymers in Flooring 2017

December 05-06, 2017
Berlin, Germany

Heimtextil 2018

January 09-12, 2018
Frankfurt a.M., Germany
Hall 3.1, Booth E35

Domotex 2018

January 12-15, 2018
Hannover, Germany
Hall 12, Booth D58

Interplastica 2018

January 23-26, 2018
Moscow, Russia
Hall 02, Booth 22B22