



37 Nelson Road, Caterham, Surrey CR3 5PP England
 Telephone: +44(0)1883 347059 Fax: +44(0)1883 341350 E-Mail: ken@mcmpublishing.co.uk



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**K2004
PREVIEW**



EXTRUSION

FILM & SHEET - BLOWN FILM

Righting wrongs in film thickness control: The concept of 'the weakest link' is at the heart of two film control developments by [DR-Pack](#) of Hungary. The company reasons that if a film has a fluctuating thickness, it is only going to be as strong as the thinnest point, and the thicker parts are no more than wasted material.

To reduce the thickness variation in a film DR-PACK has developed a design of rotating die which eliminates what it says are deficiencies in traditional rotating die design, and has improved film cooling.

The die deficiencies stem from the spiral channel distribution which DR-PACK says leads to inhomogeneity, poor concentricity and resulting variations in the die slit, and uneven thermal distribution. DR-PACK has designed a die which controls melt speed, does not cause frequent splitting

and recombining of the melt, and gives a more constant melt temperature.

Conventional bubble cooling systems are restricted by the need to keep the bubble stable, which limits the air speed which can be used and therefore its cooling potential. The DR-PACK alternative is a turbulent cooling air feed. [Stand 17 C78].

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