

Plastic Trays from a roll

Nothing could be more obvious than the idea of deep-drawing plastic trays directly from a roll of film in-house in the future. The advantages speak for themselves. The concept reduces material and logistics costs and saves money thanks to the greater efficiency of the packaging process.

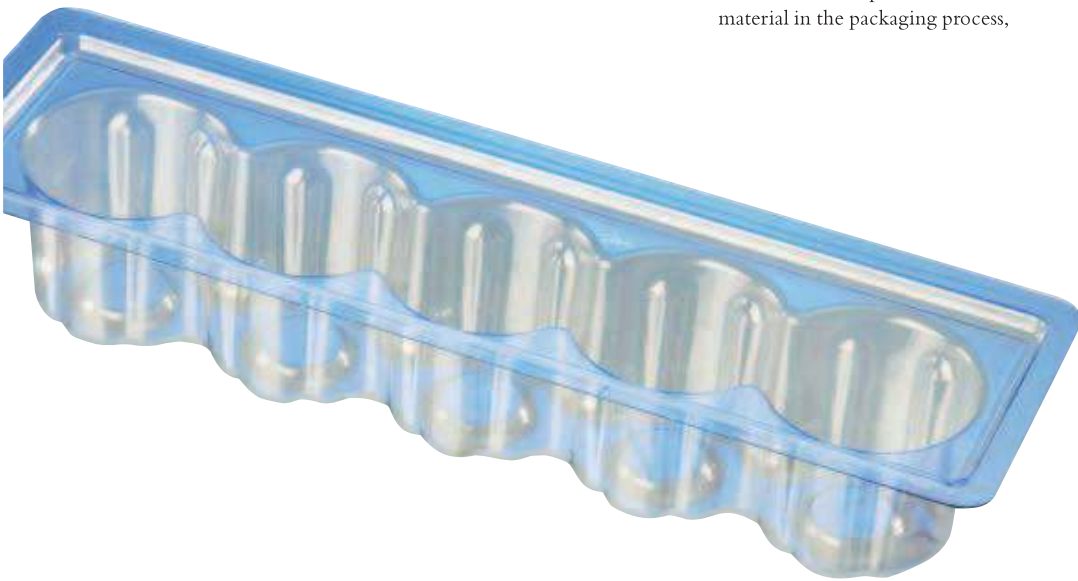
Plastic trays from a roll utilize less material, as they need no destacking cams and can therefore be designed with thinner walls. The plastic trays formed from a roll need only ensure protection of the product during transport. Incidentally, we have found that deep-drawn trays are considered an optimum use of material in the packaging process,

and therefore meet with a high degree of acceptance among consumers. Quite simply it is clear that the use of less plastic makes this a more popular choice in today's environmentally concerned climate.

The TLM units for deep-drawing and closing the plastic trays are designed to enable fast size

changes. It was the complicated changing of size parts that motivated packers to use plastic trays as ready-made trays for the packaging process. However, high material consumption had to be accepted in exchange for better destackability.

[Nycomed]



[Nycomed]

With our TLM-FFS range we have now provided packaging technology with a machine system for further rationalization of packaging. Our photo shows a TLM machine for manufacturing plastic trays used in the pharmaceuticals industry at Nycomed. From left to right, the film rolls, the automatic film infeed, deep-drawing unit, punching unit and a TLM-F2 robot for discharging the punched-out plastic trays are shown.

The 400 mm wide film web runs continually at a speed of up to 9 m/minute. The deep-drawing

unit and the punching unit automatically adjust to the film speed.

Punching out is accomplished by means of ultrasound, a process that permits any desired punching contours and uses inexpensive tools that enable fast size changes.

A shaping plug is available for deep-drawing. The entire machine is controlled and driven completely electronically. Programming is carried out by entering parameters on the screen.



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