

Thermal Welding

Bags on Four Tracks

The new machine Roller 110/CRT, manufactured by Mober, opens up a number of interesting possibilities in sectors that until today were considered low-profit areas of the market, due to the limited number of tracks for the production of bags on the roll with cardboard core (for example: freezer bags, biodegradable bags, bags for packaging fruit and vegetables etc.).

By exploiting its years of experience in the production of machinery for roll-type bags, Mober has managed to design and build a machine that combines very high production capacity with notable versatility in the type of products which can be produced. The same machine can, therefore, produce rolls both with and without cardboard core on 2, 3 or 4 tracks. Production speeds can reach 250 cycles a minute producing 1,000 bags a minute. The line comes with a "self-centring" reel holder that does not need the heavy reel holder shaft, a cut and seal and gusseting groups. A large number of optional accessories which can be used with this machine are available including:

- automatic insertion of metallic strings to close freezer bags
- single-fold device for the production of bottom welded bags with star sealing
- 'C' type bag folding group
- device for bag production with incorporated print centring mark.

Another important product from Mober which will be showed at K 04 is the new Roller 110 3- M Nastrosc.

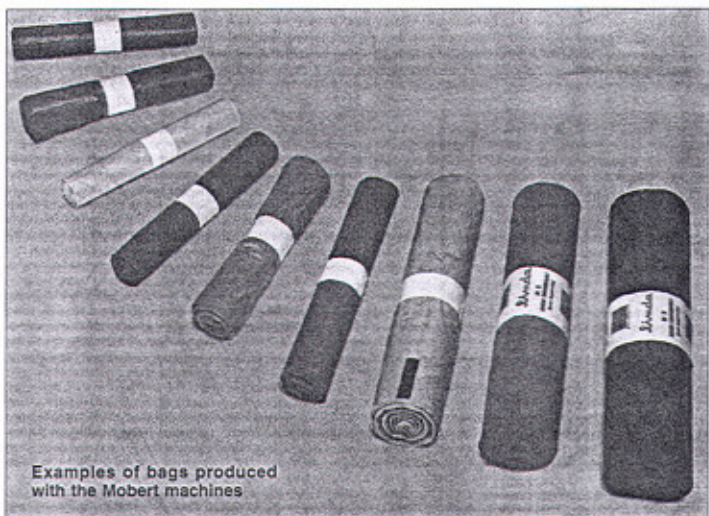
Roller 110 3- M Nastrosc
This thermo-welding machine is Mober's

At the Booth E 16, Hall 3, of the trade fair K 2004, the Italian company Mober, from Castellanza (Varese), presents an exclusive line for the production of bags on the roll with pre-cut tear line: the Roller 110/CRT. This production machine can be used with up to four tracks for bags packaged on cardboard core.

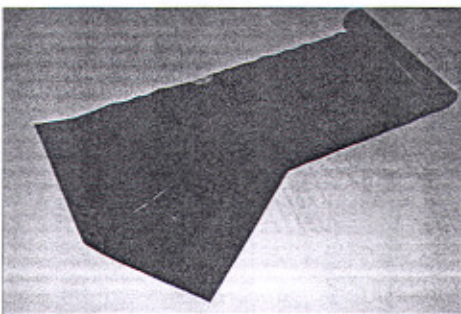
most ambitious article, created to produce pre-cut, roll-type bags with incorporated closing string. The latest version of this already successful product reaches top-of-category production speeds: producing up to 250 bags/min at a film unwinding speed of 120 m/min.

The exclusive film moving system inside the welding machine ensures a perfect weld with any type of film and any thickness. You can, in fact, produce bags with thicknesses that vary from 10 to 60 microns.

It is common knowledge that the most delicate part of welding operations in the production of this type of bag regards the area where the closing string is inserted. At this point, there is not only the string but also the fold in the film which creates the pocket the string runs through. Thus the thicknesses which must be welded becomes 8. Therefore Mober has adopted a welding system that differentiates the welding temperature based on the thickness of the welding site - the points where the film is double thickness and the area where the string is far thicker. Furthermore there is another system which has been patented by Mober that prevents stress on the film during and after the welding until the weld it-



Examples of bags produced with the Mober machines



The control system

The two machines shown at Booth E 16, Hall 3, at K '04 are both fitted with a new series of extremely user-friendly touch screen monitors, which not only interface with the PLC running the line but allows the operator to view all the most important product-

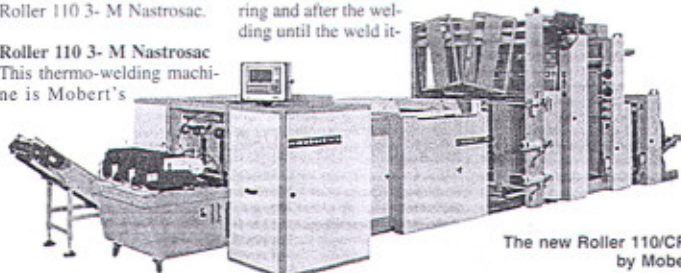
vity control parameters. Using the same control panel the operator can receive all the necessary information to re-set the machine in the event of a shut down caused by malfunction.

A specific program called "formula" memorises the most important production parameters for up to several hundred products.

Therefore when changing the type of product in production re-setting the parameters is not necessary. All the operator has to do is call up the product code which is already recorded in the memory.

The machines are also supplied with an efficient system of on-line customer service which means Mober's technical staff can access the machines' PLC via internet and rapidly identify all and any electrical or electronic faults which may affect the efficiency of the machine. ■

self is fully set. Yet another important feature of this series of machines is its ability to produce even normal bottom welded bags, packaged on-roll or non-drip bags which are welded laterally. Changing production over from string-closed bags to normal bottom welded bags is extremely quick and does not require any special mechanical expertise.



The new Roller 110/CRT by Mober