

WORLD OF GÜNTER

NOVEMBER 2012

GÜNTER KUNSTSTOFFMASCHINEN GMBH



OUR ADVANTAGE:

EXPERIENCE

The international logistics market controls the global flow of goods and ensures the availability of products in the right place at the right time. Sustainable solutions which protect the environment and factor in the increasing scarcity of resources around the world are therefore in demand. Any materials and costs saved make a decisive contribution to a company's ability to compete.

Almost all industrial sectors are now characterized by the storage and transportation of bulk goods in FIBCs. The low cost price, reusability, versatility, ease of handling and recyclability of these large bags represent cost-cutting benefits which are convincing an increasing number of firms to switch to FIBCs.

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»EXPERIENCES ARE LIKE SEEDS FROM WHICH INTELLIGENCE GROWS«

(KONRAD ADENAUER)

In the future the trend towards FIBCs will essentially be driven by companies which adapt and build plastic-processing machines for the manufacturing of big bags and liners. At Günter we have already mastered cutting-edge welding technologies. Our many years of international experience and tried-and-trusted expertise flow into each and every one of our systems, which are key to the success of our clients.

Though German know-how is currently at the head of the global pack, only correctly calibrated and perfectly executed welded seams guarantee the long-term usability of FIBCs during day-to-day logistics operations. Our team therefore strives to ensure the utmost in seam durability.



THE FIBC AS A FACTOR FOR SUCCESS

MATURE ENGINEERING SETS BENCHMARKS

Ever since humans came down from the trees and began to stockpile items for later use or consumption, they have needed to not only store and transport their belongings, but also protect them from outside influences. In particular, this has meant developing containers for food and other things which are suitable not only for the volume or mass of the goods involved, but also for long-distance transportation. Over the course of history the days of simple fur pouches and woven baskets have given way to an era in which entire industries are dedicated to the efficient storage, optimized transportation and product-specific, environmentally friendly handling of goods.

FIBCs have established themselves as an intelligent, cost-efficient solution around the world. The greatest benefit they offer is an almost infinite range of product-oriented designs and sizes. FIBCs generally have 1-4 drawstrings, filler necks at their upper ends and in some cases an outlet at their bottom end which simplifies goods handling at special filling and emptying stations. Filler neck lengths are variable and depend on the filling and emptying stations used. The load-bearing capacity of an FIBC currently stands at between 500 kg and 2000 kg, with volumes of up to 3 m³ available. Made from high-density, tear-resistant

polypropylene textile, their considerable load-bearing capacity and ease of handling makes FIBCs an attractive choice for both storage and transportation applications. When empty they can be compacted down to a small size. Their low net weight and reusability are key from the perspective of both cost reduction and environmental protection.

Depending on the characteristics of the bulk goods to be stored or transported, FIBCs can also be fitted with interior liners which protect both the goods inside and the surrounding environment. Open-top liners are particularly suitable for ultra-fine, powdered or hygroscopic products. Form-fit liners prevent goods from coming into contact with the surrounding environment and comply with the utmost in hygiene standards. Perforated liners suitable for goods requiring ventilation (e.g. wheat) are also available.

Technological developments in the field of liners currently focus on three particular areas: reductions in bag wall thickness, additive-based adjustments to bag wall characteristics and the optimization of the strength of welded seams. The reduction in bag wall thickness from 180 µm to the current thickness of 60 µm has not only improved resource efficiency, but also

reduced transport costs due to the lighter tare weights of the FIBCs.

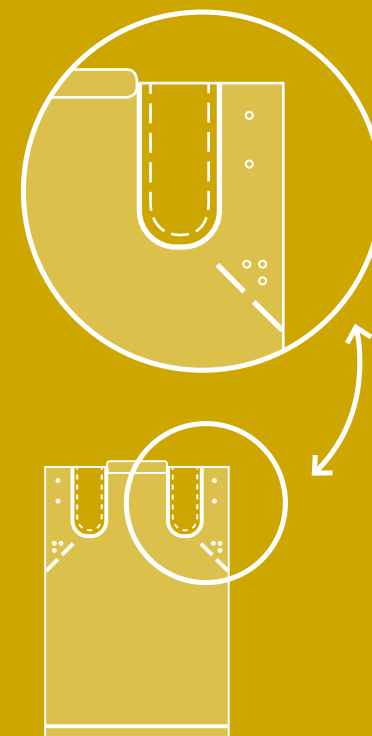
In future the challenge will be to maintain or improve the tear resistance and density of bag walls whilst also achieving further reductions in bag wall thickness. Bag wall characteristics can be adapted using the targeted incorporation of additives to plastic granules, and can include anti-bacterial or anti-static functions.

COEX materials are a promising starting point for further research in this area, and could expand liner functionality beyond conventional possibilities. It is nevertheless to be noted that even the best bag wall material is useless if bag seams are weak. The strength of welded seams makes a significant contribution to liner and overall bag quality, and German technological know-how is at the head of the pack in this regard.

A bag's liner is the interface between the goods and FIBC. Its characteristics influence the way in which an FIBC can be used over the course of the logistical process, and it therefore represents a key commercial factor. Any raw materials and costs saved in this area support the economic success of companies who choose in favour of FIBCs with liners.

NEWLY DESIGNED U-LINER

Now with automatic waste removal at neck lengths of 400 – 700 mm.



HETTLER-SYSTEME GMBH AT A GLANCE

Strong knots for more noughts – or how Hettler-Systeme GmbH rides the wave of development.

The knotting of cotton threads has been the central task of every Hettler system for over thirty years. It all began with textile machines and the idea of automating the knotting of cotton threads using weaving machines. With the textile industry in decline, the decision was taken to apply the firm's existing knowledge of knot engineering to the production of hang tags. This decision proved to be inspired, and saw Hettler assume market leadership in the field of automated knotting devices – a position the firm continues to hold today. Increasing demand for resealable and hangable polyethylene bags saw the firm elect to generate further profit from its know-how in the field of knotting by developing knotting devices and accompanying handling units which could be integrated smoothly into sheet welding machines. This again proved to be a recipe for success. The Hettler team now designs and builds its own full-process systems, for example the FK 2000.

EXACTA SERIES

- Cardboard, paper or plastic hang tags including punched holes, eyelets, paper reinforcement and knotted loops
- Scented hang tags and the automatic transfer thereof to a flow-wrap machine
- Mass-produced jewellery hang tags
- Hang tags for automatic transfer to bottles and foodstuffs packaging

FBM 950 SERVO

- Conical flower bags with gusset, wave cut and macro perforation

FK 2000 SERVO

- Drawstring bags, laundry bags, cotton wool bags, bags for hazardous items, household bags, shoe bags, feminine hygiene bags



FK 2000 SERVO: OUR TOP SELLER

A flexible seam welding machine with a universal range of potential applications, the FK 2000 is specially designed for the production of drawstring PE or PP bags for contents such as laundry, cotton wool, hazardous items, shoes, household items and feminine hygiene products. Available ancillary devices facilitate the high-performance production of nearly all types of cord bag in demand on the market at a rate of up to 150 cycles per minute.

Hettler

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OUR NEW LOGO

... sends a message to our valued clients: We are set up for continued success, and our clients can therefore count on the quality and durability of goods produced on our machines. To see what we can do for you, take a look at the new brochures available on our website.



HETTLER-SYSTEME GMBH AT A GLANCE



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PRODUCT BROCHURES

In addition to our new logo and website, we are also using six fully revised, newly illustrated machine and system brochures to present our company to the outside world. The new colour-coordinated concept guides readers through our portfolio in a targeted way, whilst the simple, clear brochure structure enables interested parties to quickly and easily find the information they require on our systems and ancillary devices. Clients familiar with Günter Kunststoffmaschinen GmbH will recognize that our new layout is more than a little reminiscent of theirs – and this is no coincidence. We aim to use this shared design to strengthen the communication of our close cooperation.

WEBSITE

Have you already explored our new website? Available in 11 languages, www.hettler-systeme.de gives you access to our latest product information, details of the largest specialist trade fairs in our sector and an overview of second-hand systems currently available for purchase (including photos). Why not try using our new contact form?

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HETTLER-SYSTEME GMBH AT A GLANCE

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HETTLER-SYSTEME - A STRONG PARTNER FOR BAGS AND TAGS

Hettler-Systeme GmbH is synonymous with efficient systems for the tailored processing of plastic bag materials and tags. Our portfolio includes versatile seam welding machines for small to large bags (with and without drawstrings), the manufacturing of conical flower bags and hang tag production systems (with or without transfer stations).

Building on a foundation of specialist experience gained during 50 years of Günter Kunststoffmaschinen and 30 years of Hettler, we intend to continue to develop innovative solutions which benefit our clients. Planned synergies range from close cooperation in the field of R&D to the sharing of experience and insights between our service teams. Cooperation between the two companies is characterized by quality, precision and reliability coupled with excellent customer service.



PREVIEW OF K 2013

LOOKING FORWARD TO QUANTUM LEAPS

From the 16th to the 23rd of October 2013 experts from the international plastics and rubber industry will be assembling at the Messe Düsseldorf trade fair complex. The motto of the event will be "K makes the difference".

Industry specialists meet every three years to present on and discuss the latest developments and optimized technologies. K 2013 will therefore be a barometer for trends across the entire industry, and in particular:

- Machines and equipment for the plastics and rubber industry
- Raw materials, expedients
- Semi-finished goods, technical components and plastic products

As usual, Günter Kunststoffmaschinen will be welcoming clients and other interested

parties to its stand in Hall 3. Our teams of developers are already working on some exciting exhibits – but for now we don't want to give too much away! What we can say is that the event will be well worth a visit, as we will not only be celebrating our 50th birthday, but also presenting two new developments which represent a quantum technological leap. We will also be introducing our partner firm Hettler-Systeme GmbH (including extracts from their current product portfolio) and our successful Italian representative (a roll cutter manufacturer).

To avoid falling even a millimetre behind the cutting edge of industry knowledge and technology, we recommend that you ink K 2013 into your diary today. We will also continue to provide clients with all the latest information via our newsletter.



K 2013
16TH – 23RD OF OCTOBER
MESSE DÜSSELDORF

We look forward to seeing you again at our 280 m² stand in Hall 3.



SPARES SERVICE

FEEL THE BENEFIT OF A TEAM WITH OVER 30 YEARS OF COMPANY EXPERIENCE!

The roll winder is jammed, the welding bar is cold, the electronics seem to have gone haywire... Don't worry! To ensure that Günter's clients do not lose production time as a result of such technical issues, all our systems undergo an intensive quality assurance process prior to handover. If required they can also be monitored and serviced remotely. We stand by the high quality of Günter machines. If, for

whatever reason, something nevertheless does go wrong, our friendly, competent Spares Service staff are available to provide you with practical advice and support which not only ensures expert professional analysis of the issue at hand, but also enables you to cope with any logistical problems it may be accompanied by. We make sure you receive required parts quickly, correctly and ready to be installed.



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GÜNTER SPARES SERVICE

In addition to replacement components for our own machines, we also offer a Spares Service for ELWA® and DIECK® systems. Our team is also available to advise you on second-hand systems. Simply contact us direct or refer to the second-hand listings on our website.

Contact details for the Günter
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Contact form/button

> Send to Service <



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