



ErgoPack

The range



Whether large or small: pallet strapping has become a simple matter with ErgoPack systems

ErgoPack Deutschland GmbH
Ergonomical Pallet Strapping Systems
Hanns-Martin-Schleyer Straße 21
89415 Lauingen
Phone: +49 (0) 9072 / 702 83-0
Fax: +49 (0) 9072 / 702 83-29
E-Mail: Info@ergopack.de
www.ergopack.de

Hello!

If you are interested in the elegant way of pallet strapping, then you have come to the right place, since this is what we do. Without back pains, quickly, neatly and efficiently - ErgoPack!



This brochure has been designed for you: Perhaps you have not yet even considered the subject of pallet strapping - or you know from your own painful experience that this is more demanding than you might think.

In this brochure, you will find everything you need to know about reliable and ergonomic pallet strapping. This will put you far ahead of the competition - since thousands of pallets are still strapped every day "somehow or other". This is neither reliable nor efficient, nor is it good for people who have to bother with this laborious task, which often causes severe back pains.

This doesn't have to be so. My offer: It works easier and better with the systems of ErgoPack. Browse and read - and simply call us if you have any questions.

I wish you an enjoyable read and good ideas from this brochure



Andreas Kimmerle,
ErgoPack-Founder und Managing Director

The ErgoPack idea: Ergonomy!

*Andreas Kimmerle,
inventor, founder and
Managing Director of
ErgoPack:*

*“Anyone should have
a bad conscience who
today still straps their
pallets without the aid
of a machine”*

ErgoPack founder Andreas Kimmerle is passionate when it comes to ergonomy: “If a man is off work for a long time, or even permanently, because of back problems, that costs a great deal of money. Many people still fail to take this into consideration.”

In fact: Back problems due to frequent bending or working with a bent posture are amongst the most frequent occupational illnesses, as is proven by the statistics.

ErgoPack has finally solved the back problem with the strapping of pallets - and offers many other advantages into the bargain.

Even as a schoolboy employed on holiday jobs in his parents’ timber business, Andreas Kimmerle was annoyed by the frequent bending required when strapping pallets. As a trained wood technology engineer, he began to look for suitable solutions. “But”, says Kimmerle today, “the specialists did not understand the problem. Either they showed me a huge machine, or simply said ‘take a broomstick with a slot in the end, and use that to apply the strapping...”

So Kimmerle set to work himself, and in 1999 invented his first pallet strapping machine. In 2002 he was awarded the Gold Medal of the International Inventors Exhibition in Geneva and the German Inventor’s Prize, and founded the firm of ErgoPack GmbH.

Today over 4,000 ErgoPack systems have been sold in 35 countries throughout the world. The machines are easy to operate. But so that everything goes smoothly from the beginning, experts from ErgoPack also provide employee training on the customer’s premises on delivery of the systems. ErgoPack - the name says it all: Ergonomic strapping of pallets and packages. Bending is now a thing of the past with ErgoPack.

The future looks good for ErgoPack: In August 2010 the company left its original location of Höchstädt and moved into larger offices, assembly and storage facilities only a few kilometres away in Lauingen - the demand for ErgoPack systems is growing all the time...



**ErgoPack building in Lauingen:
capacity created for further growth
in 2010**

The ErgoPack range

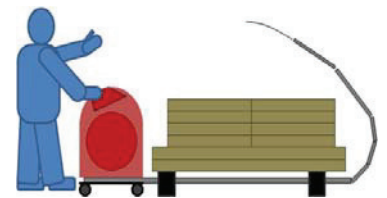
With ErgoPack you have made the right decision: Whether large, small, wide or high: ErgoPack straps the packaging absolutely securely and reliably. Nothing wobbles or slides around, nothing falls to pieces. With ErgoPack you make the greatest possible contribution towards safety in the transport of packaged goods and pallets.

Did you know that even in the early history of ErgoPack, it is estimated that over 30 million pallets and other packaged goods were strapped using ErgoPack systems? - Without accidents or incidents. That speaks for itself.

The system with the patented Chainlance is absolutely ingenious: The Chainlance slides under the packaged goods carrying the strap with it, and feeds it back to the operator. The operator has only to take the strap and fit the closure device, and the strap is then automatically tensioned and welded - finished.

ErgoPack inventor and businessman Andreas Kimmerle: "With the ErgoPack system, I wanted to avoid above all the continual bending and the associated back problems resulting from the strapping of pallets. And we succeeded. Anyone should have a bad conscience who today still straps their pallets without the aid of our machine!"

By solving the back and bending problem, Andreas Kimmerle simultaneously solved other, quite different problems. ErgoPack has completely revolutionised the strapping of packaged goods. And this is appreciated by his customers, who today include over a thousand companies all over the world, amongst them Bosch, Audi, Schwarzkopf-Henkel, ZF Sachs, MAN, VW and many more. Another substantial sided effect for industry is that thanks to their flexible operation, ErgoPack systems are frequently integrated directly into production lines. Special designs are rarely necessary, although these are also no problem for ErgoPack.



**Whether large, small, wide or high:
With ErgoPack the packaging is
strapped quickly and reliably,
without back pains.**

Fast, reliable, clean and ergonomic

Anyone who has still had to pack by hand will immediately appreciate the benefits of ErgoPack. In addition to the avoidance of back pains due to continual bending, there are three further main advantages that make ErgoPack stand out from the competition:

■ fast

We have worked it all out for you: Even professionals need about two minutes to strap one Euro-pallet twice by hand. The ErgoPack with electric drive can handle the task in less than 60 seconds, providing the following minimum time savings:

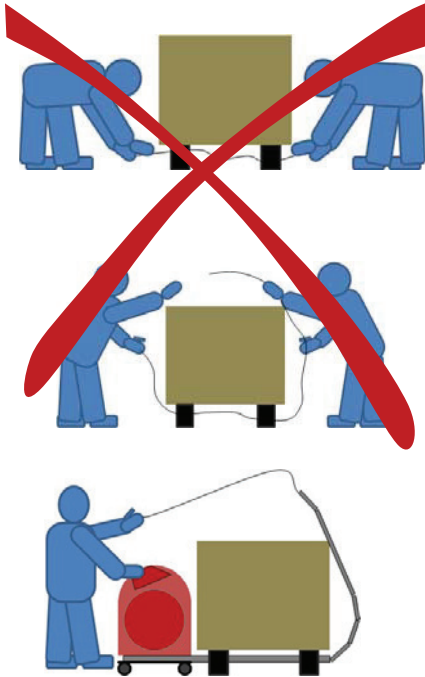
Pallets / day	Time-saving / day	Time-saving / month
10	10 minutes	3,7 hours
30	30 minutes	11,0 hours
50	50 minutes	18,3 hours
100	1,7 hours	36,7 hours

No question about it, the ErgoPack investment amortises itself quickly and calculably. Furthermore: Two workers are often needed to strap a pallet properly: one feeds the strap over the pallet, while the other slides it back through under the pallet from the other side. With ErgoPack, the second man can be dispensed with, thereby saving wage costs!

With their large, ball-bearing mounted hard rubber wheels (20 cm diameter), ErgoPack systems can also be quickly transported even over uneven surfaces to wherever they are required. This sounds obvious, but is not the case: The only approximately comparable machines known to us are stationary and cost many times as much.

■ reliable

With over 4,000 systems delivered so far, we have not received reports of any accidents with ErgoPack machines. This is due both to the easy operation, and also to the logic of the system: a major weak point in strapping by hand results from the twisting of the packing strap. This reduces the tear strength of the strap by 30%. With ErgoPack systems, the twisting of the packing strap is a thing of the past.



Fast, reliable, clean and ergonomic: What previously took two people with laborious bending can now be carried out, elegantly and ergonomically by one: ErgoPack!



■ clean

This is the first advantage always mentioned by ErgoPack users: with ErgoPack, operators no longer need to get their hands, arms and knees dirty. This was previously almost impossible to avoid when the strap had to be fed manually between the floor and the pallet and then over the packaged goods. This operation is now performed by the patented ErgoPack Chainlance.

■ ergonomics

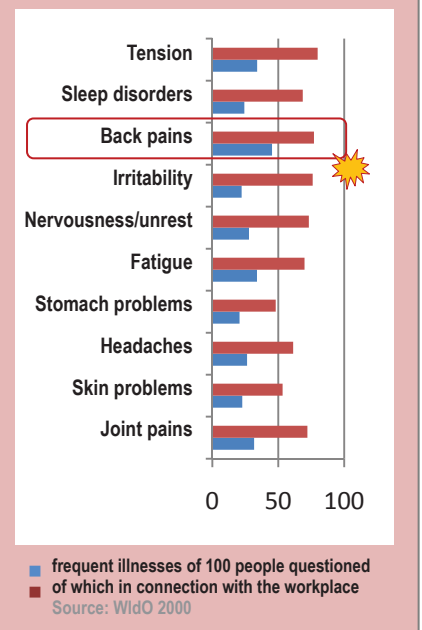
The ErgoPack system is so fascinating because its major advantage is only recognised at the second glance - ergonomics.

In the story of the origin of ErgoPack, it was exactly the reverse: It was above all ergonomic considerations which guided Andreas Kimmerle in the development of the system, and finally prompted him in the naming of his company: "Ergo-Pack". Only then did he realise that with the patented Chainlance, he had developed a strapping system which in addition to the ergonomic aspects also offered significant further advantages, such as the described time and cost saving, reliability and cleanliness in use.

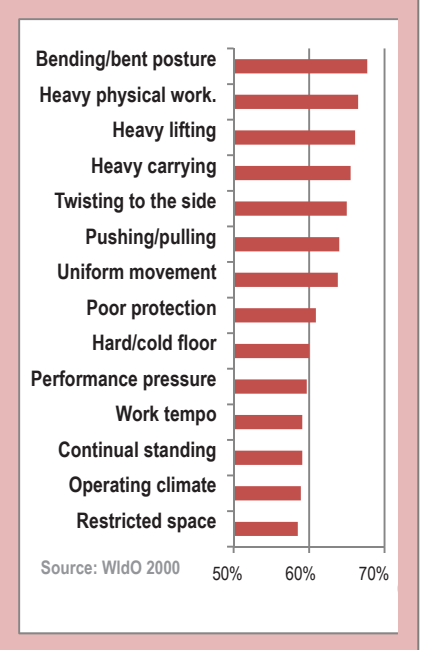
Ergonomically designed equipment has verifiably positive effects on work safety and health protection. The danger of accidents - as in the case of ErgoPack machines - is dramatically reduced. The result: less time lost through illness-greater productivity.

The manual strapping of pallets is amongst the activities in which workers have to bend most frequently: a worker has to bend over twice per strap and walk round the pallet once. For proper strapping using two straps, this means bending over four times and walking round the pallet twice. For 50 pallets per day, this means bending over 200 times and walking around the pallet 100 times. In one week, this totals bending over 1,000 times and walking around the pallet 500 times ... ErgoPack put a stop to all this!

Back pains, the most common cause of occupational illness



What causes back pains





Gold Medal at the
International Inventors'
Exhibition in Geneva and
German Inventors'
Prize 2002

The ErgoPack product range



ErgoPack 725 E / 740 E

Ergonomic pallet strapping system

- with electronically regulated drive, joystick control
- battery pack
- charging unit
- ErgoPack tool lift
- sealing head 725 E / 740 E with 2,500 N / 4,000 N tensioning force



ErgoPack 700 E

Ergonomic pallet strapping system

- with electronically regulated drive, joystick control
- battery pack
- charging unit



ErgoPack 700

Ergonomic pallet strapping system

- with manual drive via hand-crank

ErgoPack 700 embodies our basic technology. All the above models are based on this, and are equipped with various additional elements for greater operating convenience.



Mobile Overheight Module for pallets up to 3.00 m in height

This additional device enables the strapping of pallets up to 3.00 m in height. It is also ideally suitable for the reliable and careful strapping of projecting packages or pallets containing sensitive goods (such as painted surfaces).



Dispenser for plastic straps

This fully galvanised unrolling trolley is perfect for work in the open. The specially developed strap guide in combination with an external drum brake reliably prevents the running-on of the strap.



Battery-powered sealing tool for plastic straps

The battery-powered sealing tool defines the current status of the technology: safe one-hand operation, high tensioning force, low weight, good balance - a compact and robust design specially for industrial use.



PP and PET straps

Plastic straps for all available ErgoPack models, suitable for all packaged goods.

Product descriptions

ErgoPack 725 E / 740 E

Width: 770 mm, height: 1200 mm, depth: 630 mm, weight: 87.7 kg completely ready for operation, incl. sealing head and battery pack, without strap.

Maximum pallet dimensions: width: 2.40 m, height: 2.20 m

Required floor clearance: min. 85 mm (special version min. 55 mm)

Sealing head:

ErgoPack 725 E: 12-16mm strap width, up to 2,500 N tensioning force

ErgoPack 740 E: 16-19mm strap width, up to 4,000 N tensioning force

Battery service life: approx. 500 charges, charging time approx. 6 hrs.

ErgoPack 700 E

As for ErgoPack 725 E / 740 E, but without ErgoPack tool lift and without sealing head, weight: 78.7 kg.

ErgoPack 700

As for ErgoPack 700 E, but with manual drive via hand-crank instead of electronically regulated drive, weight: 59.7 kg.

Mobile Overheight Module

Additional unit for pallets up to 3.00 m height or projecting packaged goods. Individually manufactured according to the dimensions of the pallets to be strapped. Attachment to the ErgoPack by detachable quick-connection - can be detached from the ErgoPack in 30 sec. - preserving your maximum flexibility.

Dispenser for plastic straps

For internal core diameter 406 mm, weight 25 kg, height: 770 mm, width: 400 mm, depth: 340 mm. Very strong, solid steel construction.

Battery-powered sealing tool

For polyester straps (PET) or polypropylene straps (PP)

OR-T 250: 12-16mm strap width, up to 2,500 N tensioning force

OR-T 400: 16-19mm strap width, up to 4,000 N tensioning force

Strap range

PP: 12.7 x 0.73mm, tear force 236kg, 2,000m/Rolle, 40 rolls/pal.

PP: 16.0 x 0.73mm, tear force 257kg, 2,000m/Rolle, 40 rolls/pal.

PET: 12.5 x 0.6mm, tear force 290kg, 2,500m/Rolle, 22 rolls/pal.

PET: 15.5 x 0.9mm, tear force 534kg, 1,500m/Rolle, 22 rolls/pal.

PET: 19.0 x 0.8mm, tear force 650kg, 1,200m/Rolle, 22 rolls/pal.



ErgoPack machines are assembled by us in Lauingen. On request, ErgoPack experts make the delivery personally and train customers' employees in all the tips and tricks of operation



Always fascinating in practice: The patented Chainlance slides through under the pallet, stands itself up and feeds the strap back to the operator. Fast, reliable, clean and above all easy on the back!



The delivery and training service of ErgoPack
 [photo: ErgoPack Sales Manager Thomas Schombacher] helps your employees familiarise themselves immediately with the ErgoPack system.

ErgoPack training and emergency service

Make it easy on yourself: Have your ErgoPack system delivered directly by ErgoPack GmbH and at the same time book a training course for your employees.

You and your employees do not need to study the operating instructions yourself. The training takes only about two hours. Everything is demonstrated, explained and practiced in the training. Not only the basic method of operation of the machine, but also changing the strap roll, the operating elements of the controls, the charging unit and maintenance, the most frequent faults and their avoidance, safety instructions and the handling of special pallet sizes and shapes.

With the training you will receive a training report. The "Training guidelines" can also be found on our website, although personal training is in all cases more effective.

Emergency Service: If a breakdown occurs during operational use, then call our **emergency number: 49 (0) 9072 / 702 83-0** - our experts will try to rectify the problem with your employees over the telephone. If this fails, we will immediately provide a **loan machine**, while yours is repaired

Satisfaction guarantee

We are completely convinced of the reliability and productivity of our ErgoPack systems.

After delivery and training, you are therefore entitled to return the ErgoPack system to us within four weeks if it does not provide the expected productivity benefits. For this, you pay only an administration charge of 8 % of the net order value and the dispatch costs.

Andreas Kimmerle,
 Managing Director, ErgoPack GmbH

Tips for the practical use of ErgoPack systems:

- Take your time: Even after the training, allow your employees a little time to practice with the ErgoPack system. If the machine is placed into production immediately, where things are usually very hectic, unpracticed employees become uncertain and nervous. Nobody finds this enjoyable.
- For charging, the machine can either be parked at the charging unit, or the battery simply removed from the machine and taken to the charging unit. The charging time is approx. 6 hrs. if the battery is fully discharged. For shift operation, you will need a replacement battery. The service life of the battery is longest if it is charged frequently. Ideally it should be charged every night.
- Hand-crank or electronic? Even the ErgoPack system with hand-crank makes a great labour-saver. From more than 10 pallets per day however, the ErgoPack system with electronically regulated drive, tool lift and sealing head is much more productive and well worthwhile.



ErgoPack – a good decision

The illustration shows that not only the system itself, but also its design and user-friendliness, comply with all current requirements of ergonomics and a fast, reliable and clean working process. ErgoPack has been developed from practice, for practice. Down to the smallest detail. So that you and your employees can handle even major packaging problems more easily in future.

With ErgoPack, you have made the right decision every time!

ErgoPack Deutschland GmbH



ErgoPack Deutschland GmbH

Ergonomical Pallet Strapping Systems

Hanns-Martin-Schleyer Straße 21

89415 Lauingen

Phone: +49 (0) 9072 / 702 83-0

Fax: +49 (0) 9072 / 702 83-29

E-Mail: info@ergopack.de

www.ergopack.de

