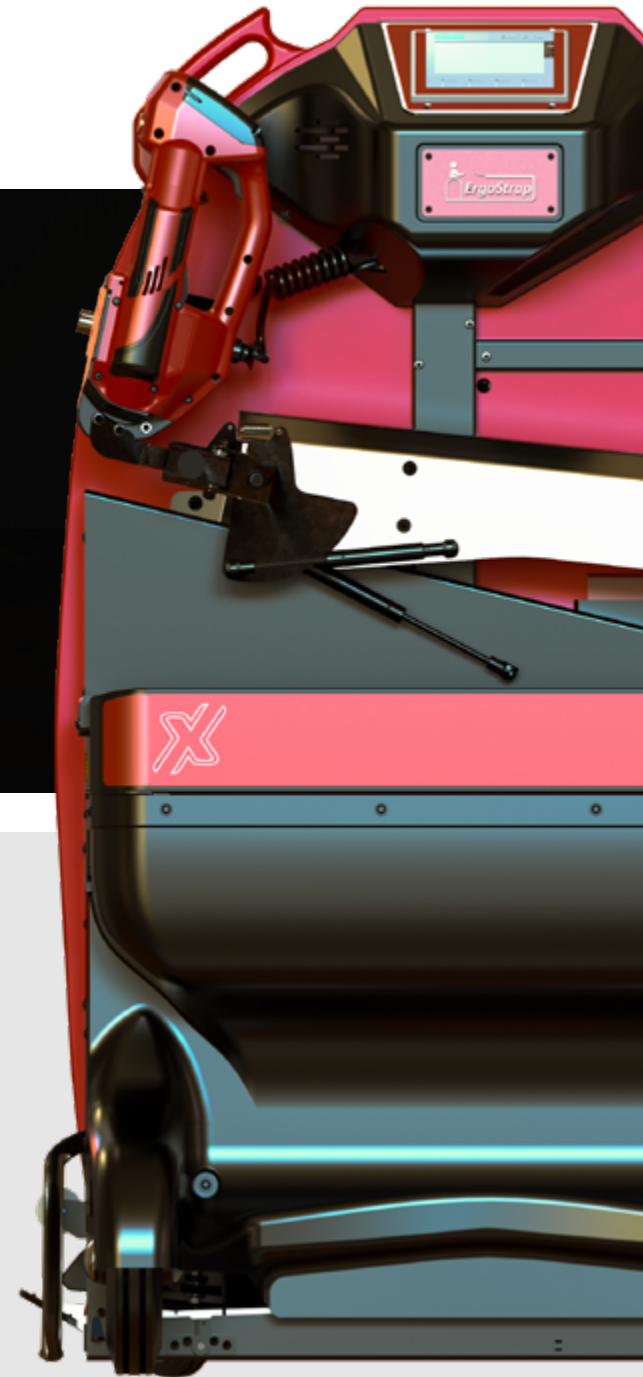




**X-pert Line**

# Healthy pallet strapping

Securing loading units ergonomic,  
easy and efficient



**Health is the primary duty of life.**



Oscar Wilde  
Author

Dear Friends of ergonomics,

nothing is more important to the human being than health. Health is essential for all of us. Backaches are a major health problem these days. Almost 50% of all employees suffer from pain in the back and neck area.

To work in a bent down position means strain, especially when strapping pallets manually.

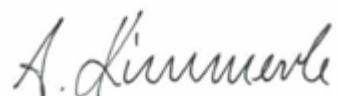
If you are interested in strapping pallets ergonomically, you came to the right place. That's what we do! Ergonomic, easy, efficient – ErgoStrap!

Maybe you have never really paid attention to the “pallet strapping” issue. Or have you yourself made the painful experience that strapping is more stressful than it actually seems?

Our suggestion:

Give your employees a break and increase the efficiency of your organization with the help of our ErgoStrap systems!

Browse, read – and give us a call if you have any questions.  
I hope our technology provides health and efficiency solutions to you. ”



Andreas Kimmerle  
Founder & Inventor ErgoStrap



# The problem

## Did you know?

Strapping **50 pallets** per day  
with 2 straps each means  
each year the operator at least

**50.000** x   
**25.000** x 

## And with you?

Strapping  per day  
with 2 straps each means  
each year the operator at least

x   
 x 

Calculation example:

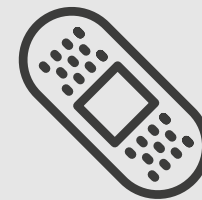
For manual strapping, the operator has to bend down 2 times and walk around the pallet 1 time.

With 1 pallet per day with 2 strapping operations and an average of 250 working days, this results in 1000 times bending and 500 times walking around the pallet.



**Manual pallet strapping** causes back problems, requires more staff and leads to additional costs due to sick leave.

**You can avoid it!**



**Ø5<sup>1</sup>** days of sick leave per employee per year in every company in average, just caused by **back pain**.



## Lack of motivation

Working in a **bent position** is stressful & painful for employees.



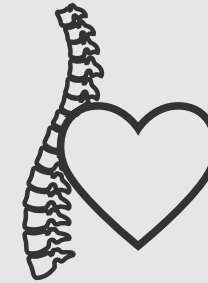
## Time spent

Most of all companies need **two minutes** for the strapping process, ErgoPack does it in 40 seconds.

# The solution

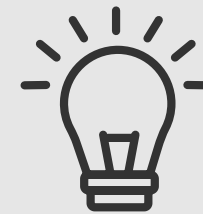


**More efficient employees** due to physical relief. Your employees will thank you!



## Ergonomic

**No bending**, low risk of injury, **prevent back problems!**  
Enthuse your employees, they will be thankful.



## Easy

**Simple operation**, quick training of your employees and suddenly strapping is fun.



## Efficient

**67%** faster pallet strapping ensures more **efficient workflows.**

# The ErgoStrap

unique worldwide



Roll the **ErgoStrap** in front of the pallet. The ChainLance pulls the **strap** through under the pallet.



Up again on the rear side and over the pallet into the hand of the operator. The **ChainLance** retracts.



The strap lifter brings the 2nd strap end. The **sealing head** welds the strap securely.

# ErgoStrap unfiltered

## Testimonial of Elbe Flugzeugwerke

„Before we started using the ErgoStrap system, we used a long stick, went on our knees and had a bent-over position to strap the pallets.“



### THE ERGOSTRAP ADDED VALUE?

Very helpful, because the system is easy on my back and it is fast.

GÜNTHER EHRLICH  
EMPLOYEE PRODUCTION



### RECOMMEND ERGOSTRAP?

From our experience, we have been using the machine for one and a half years, I can only recommend ErgoStrap to everyone.

HENDRICK KOBER  
HEAD OF PRODUCTION







Here you can find our satisfied  
& enthusiastic customers.  
<https://www.ergostrap.com/testimonials>



# Testimonials



# Satisfied customers are what makes us happy

Our customers are the focus of what we are doing. The quality of our efforts is therefore only measured by the satisfaction of our customers.



More than **3 billion** bend overs avoided & over **65,000** healthy and happy users thanks to ErgoStrap.



Mercedes-Benz



amazon



3M

SIEMENS

AGFA



Miele

# Back-friendly & awarded



What characteristics does a product have to fulfil to provide the spinal column and the locomotor system with optimum support, providing relief and not acting as a burden for the user? As this is not immediately apparent in most products and as industry and the retail sector do not have a clear view, the "Aktion Gesunder Rücken (AGR) e.V." has developed a decision-making aid for consumers.

The AGR Seal of Approval is awarded only to products whose back-friendly design has been verified by an independent testing committee made up of experts from various medical disciplines. The special, and unique feature of the seal, is the medical multidisciplinary approach to deciding which products receive the AGR Seal of Approval, without being influenced by industry.

## Multiple awards

The strict testing criteria and the composition of the committee with designated medical experts means that the AGR Seal of Approval is well accepted in the medical world. For consumers the seal has become established as a clear decision making aid, confirming:

**ErgoStrap is a back-friendly product!**



# ErgoStrap Success story



First prototype of a strapping device based on a double scissors system similar to a scissors lifting table.

1998



First serial model ErgoStrap 300 for composite straps with a core diameter of 75mm, operated by a crank.

2000



The new ErgoStrap 600 wins the gold medal at the International Exhibition of Inventions in Geneva, as well as the German Inventor's Award. With the help of the newly developed strap lifter, the operator does not have to bend down anymore at all.

2002



2003

2008



Invention and patenting of the world's first ChainLance.

1999



Introduction of the ErgoStrap 500 with a 5m long ChainLance to strap larger pallets with PP and PET strap with a 406mm core diameter.

2001



Change from the crank to an electronic drive operated by battery. The ErgoStrap Tool-Lift makes side strapping of high pallets even easier, as different sealing tools can be attached to it and do not have to be held in the hand.

In our **25**-year company history, we can already look back on more than **20,000** systems sold in **60** countries.

ErgoStrap 720E and 730E, the first complete strapping systems with an integrated sealing head and a centralised battery power supply, are part of our product range.



The completely revised Model 2017 with over 40 new features is introduced.



**ErgoStrap E-economy Line**, the further development of the Model 2017. The new intuitive sealing head with touchscreen with an improved ergonomic fit and intuitive control. Reliable and safe strapping, for almost 20 years.



Advanced strapping system meets innovative battery technology. The **ErgoStrap X-pert Line Lithium** combines ergonomics and efficiency at maximum operating time thanks to the latest lithium ion battery technology.

2011

since 2014

2016

since 2018

2019

2021

ErgoStrap 725E and 740E. Integration of a totally new state of the art sealing head.



The ErgoStrap Air becomes a milestone in pallet strapping. The worldwide one and only mobile system to strap raised pallets.



The **ErgoStrap X-pert Line** sets the new benchmark. Advanced electronics and newly designed touchscreens on the sealing head and the strapping system guarantee the user interface being intuitive. Also in terms of ergonomics, the X-pert Line sets a new standard.



As the world's leading manufacturer of ergonomic, mobile pallet strapping systems, we are represented in more than **30** countries.

# X-pert Line

<https://youtu.be/b-sBHobCKyc>



**2598"/MIN (+65%)**



**1,200 STRAPPING CYCLES (+340%)**



**INTUITIVE GUIDANCE**

# E-economy Line



**1575"/MIN**



**350 STRAPPING CYCLES**



**MECHANICALLY CONTROL**

# THAT IS ALREADY PART OF IT

”



## 713X LI / 726X LI / 745X LI

- WITH ELECTRONICALLY CONTROLLED DRIVE & CONTROL VIA JOYSTICK
- LITHIUM BATTERY
- CHARGER
- LINE LASER
- ERGOSTRAP TOOL-LIFT
- SEALING TOOL
- CONTROL VIA INDUSTRY TOUCHSCREEN

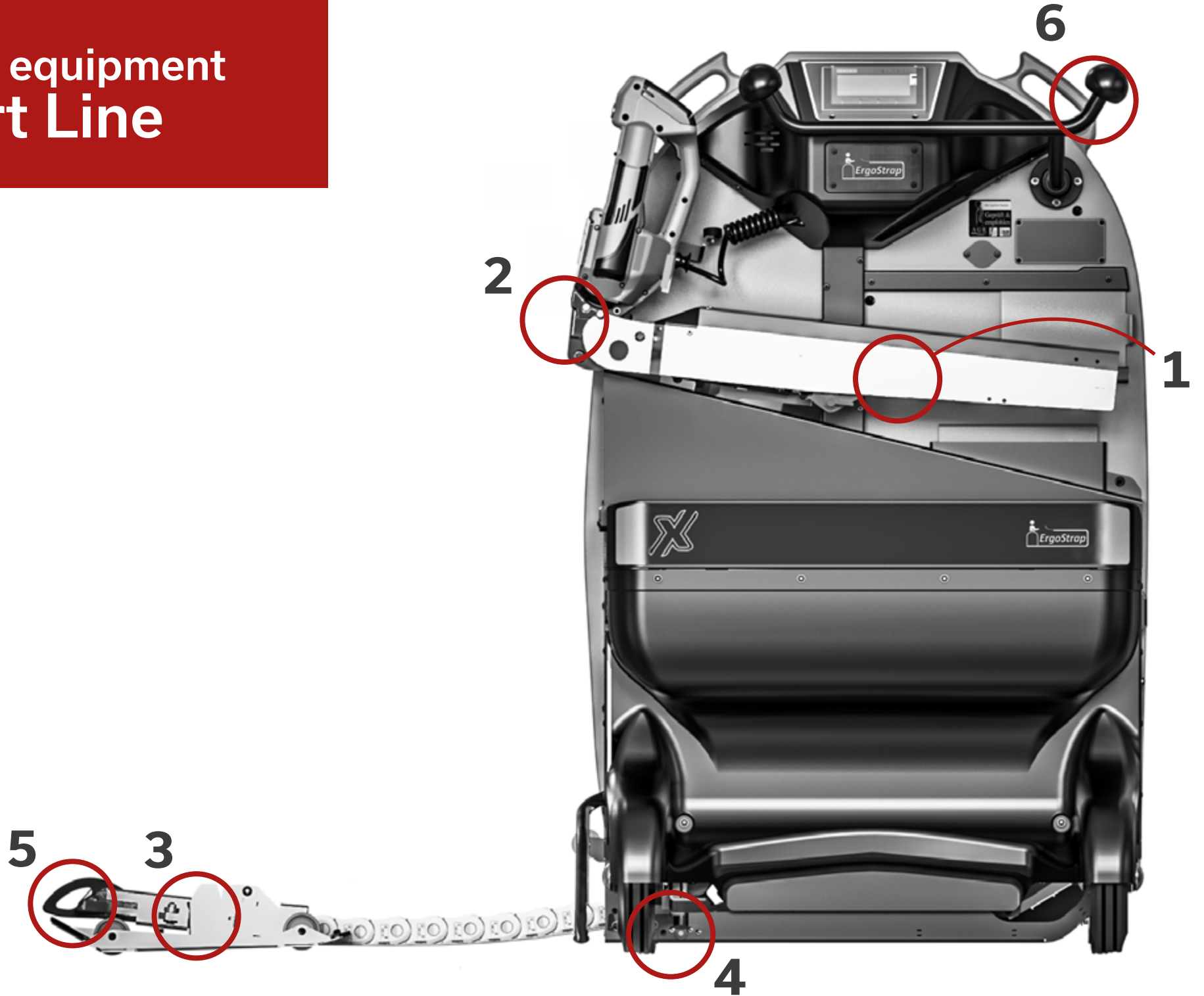






## 700X

- WITH ELECTRONICALLY CONTROLLED DRIVE & CONTROL VIA JOYSTICK
- LITHIUM BATTERY
- CHARGER
- CONTROL VIA INDUSTRY TOUCHSCREEN

# Special equipment X-pert Line




**1 TRIPLEX-TOOL-LIFT**  


For pallets from 4" and higher  
(replaces the standard ErgoStrap Tool-Lift).

**4 STRAP BRAKE RELIEF**  

The brake resistance of the strap roll can be reduced to 20% by simply pushing a foot pedal. The manual pulling out of an additional strap is made much easier.

**2 SEALING HEAD REMOVABLE**  

Adapter for quick and easy removal of the sealing head from the Triplex-Tool-Lift.



**5 HEADPIECE WITH BUMPER**  

For strapping pallets with lateral overlappings up to 1,6", e.g. cardboard covers or uneven side surfaces.

**3 REVERSING SLEDGE**

Reversing sledge 85S (E-conomy Line):  
Slimmer version of the standard sledge.  
Minimum clearance width: 6.3"

Reversing sledge 47S (X-pert Line and E-conomy Line):  
Slimmer version of the reversing sledge 47.  
Minimum clearance width: 6.3"

**6 EASY MOVE ASSISTANT**  

Adapter for even easier moving of the ErgoStrap.

# E-economy Line

# THAT IS ALREADY PART OF IT

”



## 713E / 726E / 745E

- WITH ELECTRONICALLY CONTROLLED DRIVE & CONTROL VIA JOYSTICK
- 24V AGM BATTERY PACK
- CHARGER
- ERGOSTRAP TOOL-LIFT
- SEALING HEAD



# 700E

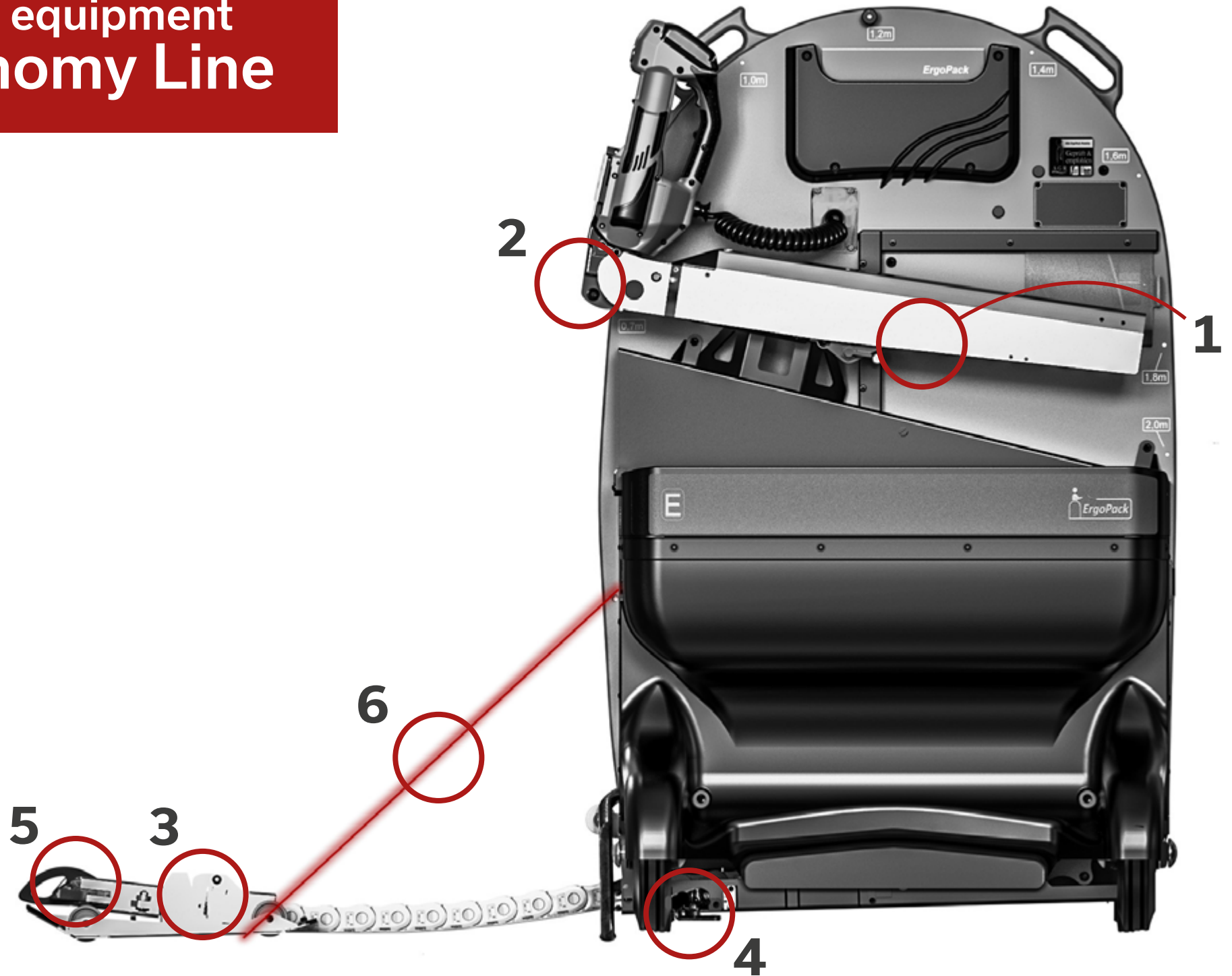
- WITH ELECTRONICALLY CONTROLLED DRIVE & CONTROL VIA JOYSTICK
- 24V AGM BATTERY PACK
- CHARGER



# 700


- MANUALLY DRIVE VIA A HAND CRANK

# Special equipment E-conomy Line





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Slimmer version of the reversing sledge 47.  
Minimum clearance width: 6.3"

**6 LINE LASER**  










A red laser line enables to position the machine fast, precise and safe in front of the pallet.

# Product range

		ErgoPack X-pert Line				ErgoPack E-conomy Line				
Model	700X LI	713X LI	726X LI	745X LI	700	700E	713E	726E	745E	
										
Power	235W	235W	235W	235W	-	93W	93W	93W	93W	
Drive	Electric motor with reinforced angle gear, electronically controlled				manually via a hand crank	Electric motor with spur gear, electronically controlled				
Battery	Lithium battery (inter-charging possible)	Lithium battery (inter-charging possible)	Lithium battery (inter-charging possible)	Lithium battery (inter-charging possible)	-	2 x 12V AGM	2 x 12V AGM	2 x 12V AGM	2 x 12V AGM	
Operating voltage	36V	36V	36V	36V	-	24V	24V	24V	24V	
Strapping cycles / battery charge (standard strapping)	1,200	1,200	1,200	1,200	-	350	350	350	350	
Charger	36V Charger, 10A	36V Charger, 10A	36V Charger, 10A	36V Charger, 10A	-	2 x 12V Dual Charger, 2A	2 x 12V Dual Charger, 2A	2 x 12V Dual Charger, 2A	2 x 12V Dual Charger, 2A	
Chainspeed	2598"/min	2598"/min	2598"/min	2598"/min	-	1575"/min	1575"/min	1575"/min	1575"/min	
Pallets width setting	via Siemens Industrial Touchscreen in 4" steps, works with work gloves				mechanically, by inserting a bolt in the appropriate position in 20cm steps					
Other settings	individual setting options via the Siemens Industrial Touchscreen, such as: <ul style="list-style-type: none"> <li>Chain speed,</li> <li>Chain length,</li> <li>standby timer,</li> <li>Strap lifter time for upper position,</li> <li>Line Laser on/off,</li> <li>Sealing head on/off</li> </ul>				-	-	-	-	-	
Indicators	<ul style="list-style-type: none"> <li>charging level indicated graphically and in %,</li> <li>set pallet width,</li> <li>permanent graphically indication of the ChainLance position,</li> <li>strapping cycles,</li> <li>sliding window open graphically and in writing,</li> <li>safety instructions,</li> <li>menu-driven step by step description for semi automated strap roll change</li> </ul>				-	3 LEDs indicating charging level and sliding window „open“				
Software update	easy update via USB stick				-	only by manufacturer				

Standard equipment



		ErgoPack X-pert Line				ErgoPack E-conomy Line				
Model		700X LI	713X LI	726X LI	745X LI	700	700E	713E	726E	745E
										
Standard equipment	AGR certificate	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Chainlance				special, glass fiber reinforced, high strength soft-slide chain					
	Tool-Lift	-	✓	✓	✓	-	-	✓	✓	✓
	Sealing head	-	✓	✓	✓	-	-	✓	✓	✓
	Tension force	-	150N - 1200N	400N - 2500N	400N - 4500N	-	-	150N - 1200N	400N - 2500N	400N - 4500N
	Strap type	PP/PET	PP/PET	PP/PET	PP/PET	PP/PET	PP/PET	PP/PET	PP/PET	PP/PET
	Strap width	3/8" - 3/4"	3/8" - 1/2"	1/2" - 5/8"	5/8" - 3/4"	3/8" - 3/4"	3/8" - 3/4"	3/8" - 1/2"	1/2" - 5/8"	5/8" - 3/4"
Strap thickness	0.019" - 0.051"	0.019" - 0.031"	0.019" - 0.040"	0.031" - 0.051"	0.019" - 0.051"	0.019" - 0.051"	0.019" - 0.031"	0.019" - 0.040"	0.031" - 0.051"	
Special equipment	Triplex-Tool-Lift	-	✓	✓	✓	-	-	✓	✓	✓
	Sealing head removable	-	✓	✓	✓	-	-	✓	✓	✓
	Line laser	✓	✓	✓	✓	-	✓	✓	✓	✓
	Strap brake relief	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Reversing sledge	85 / 47S	85 / 47S	85 / 47S	85 / 47S	85 / 85S / 47S	85 / 85S / 47S	85 / 85S / 47S	85 / 85S / 47S	85 / 85S / 47S
	Headpiece with bumper	✓	✓	✓	✓	✓	✓	✓	✓	✓
Accessories	Mobile overheight module	✓	✓	✓	✓	-	✓	✓	✓	✓
	Sledge tunnel stationary	✓	✓	✓	✓	-	✓	✓	✓	✓
	Mobile sledge tunnel station	✓	✓	✓	✓	-	✓	✓	✓	✓

\*Standard strapping:  
 Battery pack: 100 charging- and discharging-cycles | Strap: 1/2" PET (complete strap roll) | Sealing Tool: 726, Tension Force 200 lbf without soft, Welding time 2nd range | Pallet: pallet width 32", pallet height 45" | Strapping speed: fast | Room temperature: 68 °F



## **MOBILE OVERHEIGHT MODULE ENABLES STRAPPING OF PALLETS UP TO 120" HIGH**

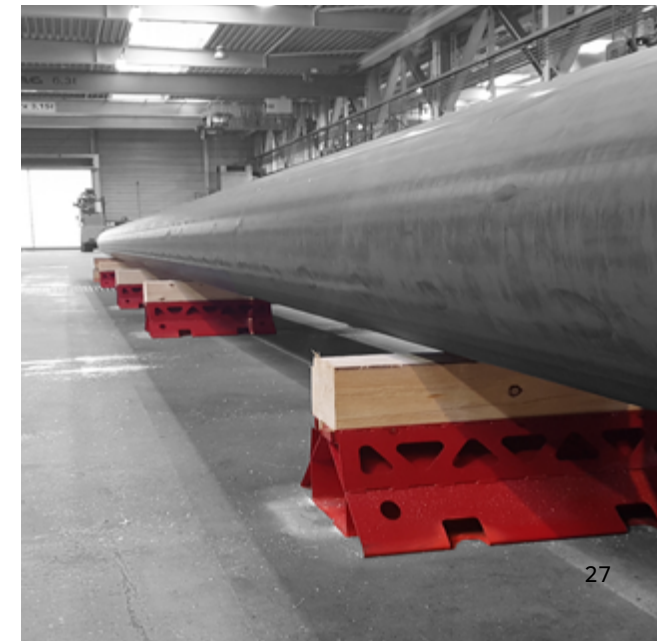
This custom-made accessory is designed to strap pallets of up to 120" height. It is an ideal solution to strap pallets with protruding products or sensitive goods, (such as varnished surfaces), securely and gently. Attaches to the ErgoStrap machine via a detachable quick fastener. Once the Mobile Overheight Module gets separated from the ErgoStrap machine, normal pallets of up to 90" height can be strapped as usual.





## STRAPPING FOR SCANTLINGS STATIONARY SLEDGE TUNNELS | LOCAL

The Stationary Sledge Tunnels are fixed on the floor and can be used with every standard ErgoStrap system. The Tunnels are individually adapted to the width of your scantlings.

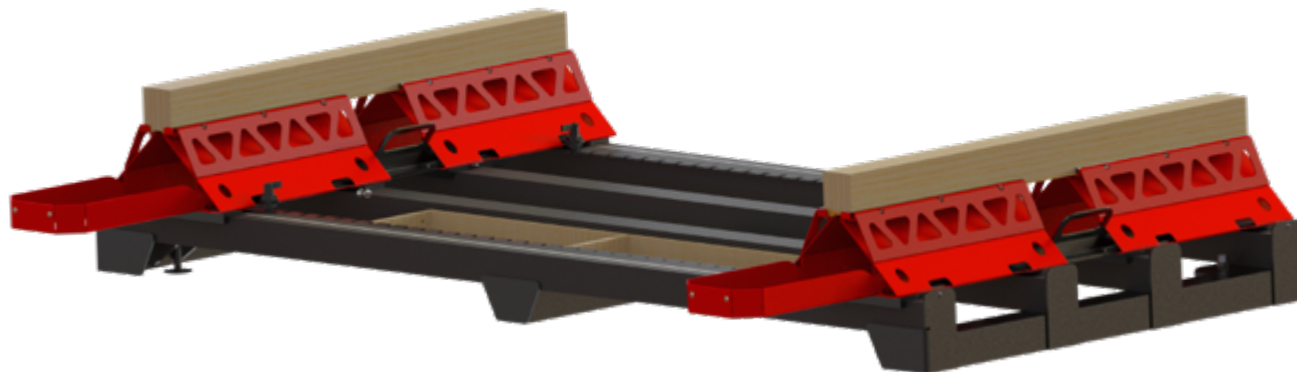




## STRAPPING FOR SCANTLINGS MOBILE SLEDGE TUNNEL STATION | LOCAL INDEPENDENT

Flexible and precise. The Mobile Sledge Tunnel Station straps pallets including scantlings. The distance of the scantlings can be adjusted continuously by the aid of an integrated tape measure.

Always adapted to your needs – the Mobile Sledge Tunnel Station is manufactured according to your requirements. The entire station can be moved to wherever you need to strap.



# Manufacturer

Technological expertise in the field of pallet strapping has been the foundation of our company ever since its inauguration in 1999. In this context we develop, manufacture and distribute mobile pallet strapping systems of the highest quality which are unique worldwide. Our goal is to significantly improve safety and ergonomics in the field of manual pallet strapping.

Thereby we endeavour to improve the health and motivation of all users, as well as the efficiency of our customers' logistical processes. At the same time we completely re-define the field of pallet strapping by focussing on innovative products with high functionality as well as unique patented selling points.



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info@ergopack.de  
www.ergopack.de

# Always close to you



**INTERESTED?  
WE WOULD BE HAPPY TO VISIT YOU.**

## FREE

Are you interested in the ErgoStrap system?  
But unsure if it will fit your application? It will be our  
pleasure to visit you.

We will demonstrate the system and all its  
capabilities in your environment. With your pallets.

For your employees. Of course free and without any  
obligations. You will receive our custom-tailored offer,  
perfectly adapted to your individual needs.

# Individual training



The delivery and training service will help your employees to become familiar with the ErgoStrap immediately. Make it easy for yourself:

Arrange a training for your employees when you order your system. Your ErgoStrap expert will deliver your system personally and train your employees. This takes about two hours.

**INTERESTED IN TRAINING OR  
NEED INSTRUCTION?**



- basic operation
- care & maintenance
- changing the strap roll
- safety instructions

# Customer service

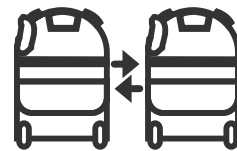


**YOUR SATISFACTION IS OUR MISSION.**



## Service by phone

If you report us a disturbance of your strapping system, our technicians will initially try to solve the problem together with you by phone. This works in three of four cases



## Loaner units

If the cause of the defect cannot be found, we will send you right away – usually the same day – one of our loaner units. Thus you will be able to continue to work the next day.



## Repair

Your defective machine will be checked and repaired at our service center in Lauingen and sent back to you at short term.



## Just talk with us.

We would like to visit you. We demo the system and its possibilities in your application area! With your goods! For your employees! **Free of charge!** Afterwards you will receive your offer for the best suitable system for your specific application.



US v01



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www.ergostrap.com



W W W . E R G O S T R A P . C O M