



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 – ErgoPack!

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 ErgoPack systems!

Browse, read – and give us a call if you have any questions.

I hope our technology provides health and efficiency solutions to you.



A handwritten signature in black ink that reads "A. Kimmerle".

Andreas Kimmerle
Founder & Inventor ErgoPack



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 



Manual pallet strapping causes back problems, requires more staff and leads to additional costs due to sick leave.
You can avoid it!



Sick leave

Ø5¹ 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.

4 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.

1 BAuA 2020 - Volkswirtschaftliche Kosten durch Arbeitsunfähigkeit 2020

The solution



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

The ErgoPack



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**.

Unique worldwide ”



Roll the **ErgoPack** 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.

Testimonial of Elbe Flugzeugwerke

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



Here you can find our satisfied & enthusiastic customers.
www.ergopack.com/en/testimonials



THE ERGOPACK ADDED VALUE?

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

GÜNTHER EHRLICH
EMPLOYEE PRODUCTION



RECOMMEND ERGOPACK?

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

HENDRICK KOBER
HEAD OF PRODUCTION



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.



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:

ErgoPack is a back-friendly product!



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



ErgoPack Success story

1970 First prototype of a strapping device based on a double scissors system similar to a scissors lifting table.

1975 First serial model ErgoPack 300 for composite straps with a core diameter of 75mm, operated by a crank.

1985 The new ErgoPack 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.

1995 ErgoPack 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.

2000 The completely revised Model 2017 with over 40 new features is introduced.

2005 **ErgoPack E-conomy 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.

2011 Advanced strapping system meets innovative battery technology. The **ErgoPack X-pert Line Lithium** combines ergonomics and efficiency at maximum operating time thanks to the latest lithium ion battery technology.

1975 Invention and patenting of the world's first ChainLance.

1985 Introduction of the ErgoPack 500 with a 5m long ChainLance to strap larger pallets with PP and PET strap with a 406mm core diameter.

1995 Change from the crank to an electronic drive operated by battery. The ErgoPack 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.

2011 ErgoPack 725E and 740E. Integration of a totally new state of the art sealing head.

2016 The ErgoPack Air becomes a milestone in pallet strapping. The worldwide one and only mobile system to strap raised pallets.

since 2014

since 2018

2019 The **ErgoPack 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.

2021

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



X-pert Line

E-conomy Line



66M/MIN (+65%)



1.200 STRAPPING CYCLES (+340%)



INTUITIVE GUIDANCE



40M/MIN

40m/min

350 Umreifungszyklen



mechanische Bedienung

350 STRAPPING CYCLES



MECHANICALLY CONTROL

**THAT IS ALREADY
PART OF IT** ”

713X LI / 726X LI / 745X LI



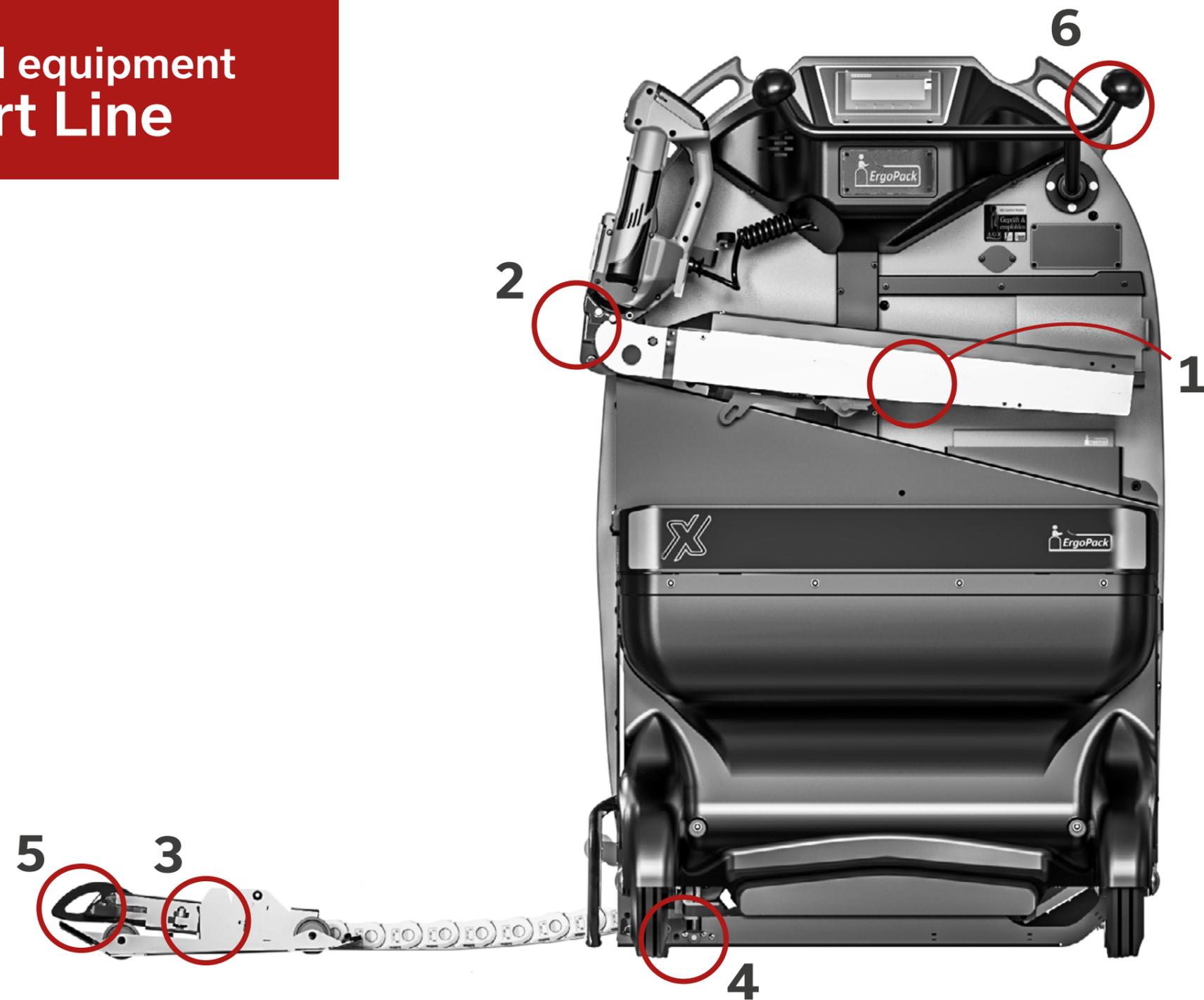
- WITH ELECTRONICALLY CONTROLLED DRIVE & CONTROL VIA JOYSTICK
- LITHIUM BATTERY
- CHARGER
- LINE LASER
- ERGOPACK TOOL-LIFT
- SEALING TOOL
- CONTROL VIA INDUSTRY TOUCHSCREEN

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 100mm and higher
 (replaces the standard ErgoPack 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 Triples-Tool-Lift.

5 HEADPIECE WITH BUMPER  
 For strapping pallets with lateral overlappings up to 40mm, e.g. cardboard covers or uneven side surfaces.

3 REVERSING SLEDGE
 Reversing sledge 47 (for X-pert Line and E-conomy Line):
 Flat version with minimum clearance height 47mm
 Reversing sledge 47S (for X-pert Line and E-conomy Line):
 Slim version with minimum clearance width 160mm

6 EASY MOVE ASSISTANT  
 Adapter for even easier moving of the ErgoPack.

THAT IS ALREADY
PART OF IT ”

713E / 726E / 745E

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



700E

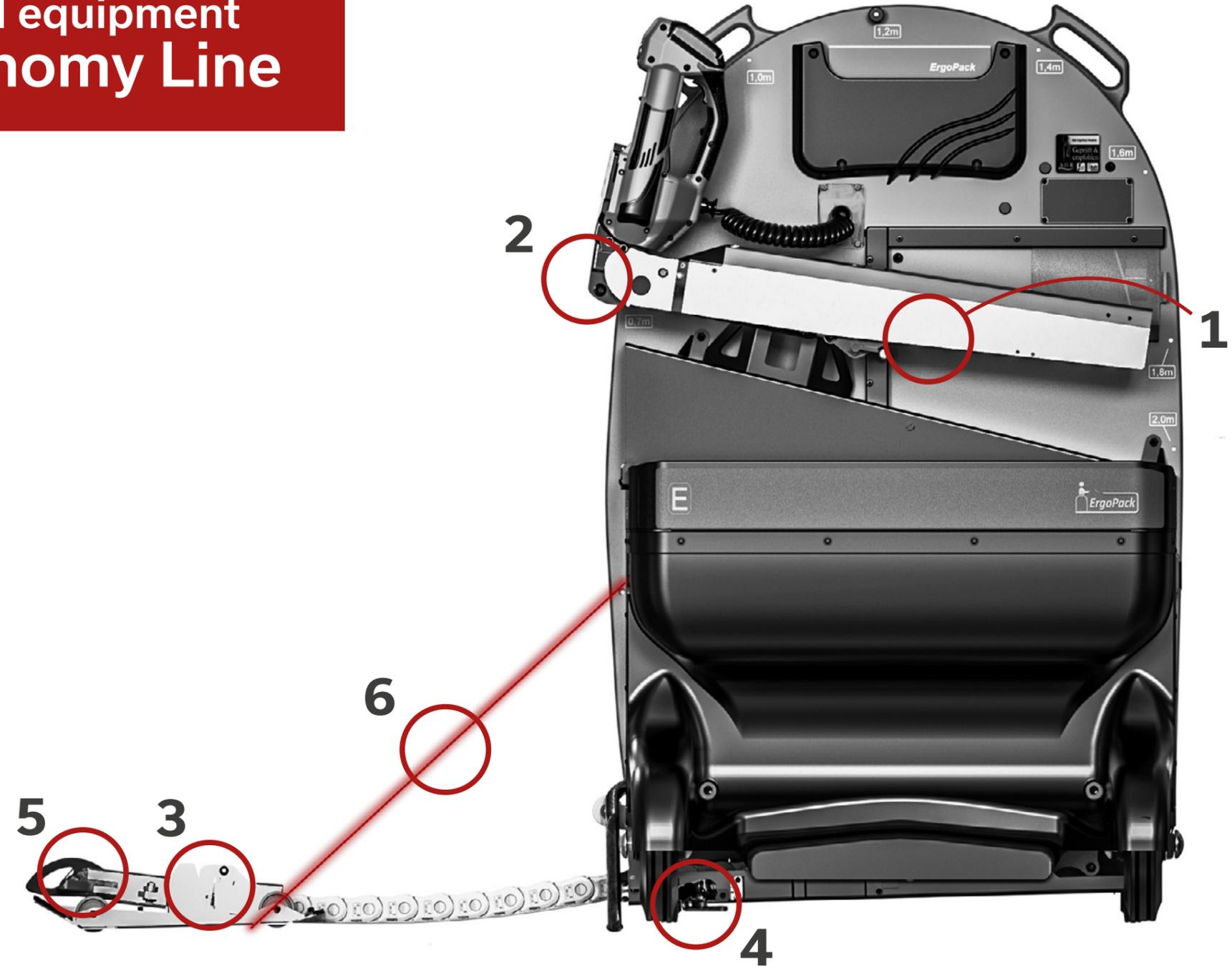
- WITH ELECTRONICALLY CONTROLLED DRIVE & CONTROL VIA JOYSTICK
- 24V AGM BATTERY PACK
- CHARGER

700

- MANUALLY DRIVE VIA A HAND CRANK



Special equipment E-economy Line



1 TRIPLEX-TOOL-LIFT  
 For pallets from 100mm and higher (replaces the standard ErgoPack 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 40mm, e.g. cardboard covers or uneven side surfaces.

3 REVERSING SLEDGE
 Reversing sledge 47 (for X-pert Line and E-economy Line): Flat version with minimum clearance height 47mm
 Reversing sledge 47S (for X-pert Line and E-economy Line): Slim version with minimum clearance width 160mm

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-economy Line				
	700X LI	713X LI	726X LI	745X LI	700	700E	713E	726E	745E
Model									
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	66m/min	66m/min	66m/min	66m/min	-	40m/min	40m/min	40m/min	40m/min
Pallets width setting	via Siemens Industrial Touchscreen in 10cm 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"> Chain speed, Chain length, standby timer, Strap lifter time for upper position, Line Laser on/off, Sealing head on/off 				-	-	-	-	-
Indicators	<ul style="list-style-type: none"> charging level indicated graphically and in %, set pallet width, permanent graphically indication of the ChainLance position, strapping cycles, sliding window open graphically and in writing, safety instructions, menu-driven step by step description for semi automated strap roll change 				-	3 LEDs indicating charging level and sliding window „open“			-
Software update	easy update via USB stick				-	only by manufacturer			

	ErgoPack X-pert Line				ErgoPack E-economy Line				
	700X LI	713X LI	726X LI	745X LI	700	700E	713E	726E	745E
Model									
AGR certificate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chainlance	glasfaserverstärkte, hochfeste Soft-Slide-Spezialkette								
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	9-25mm	9-13mm	12-16mm	15-19mm	9-25mm	9-25mm	9-13mm	12-16mm	15-19mm
Strap thickness	0,5-1,3mm	0,35-0,85mm	0,5-1,0mm	0,8-1,3mm	0,5-1,3mm	0,5-1,3mm	0,35-0,85mm	0,5-1,0mm	0,8-1,3mm
Standard equipment									
Triplex-Tool-Lift	-	✓	✓	✓	-	-	✓	✓	✓
Sealing head removable	-	✓	✓	✓	-	-	✓	✓	✓
Line laser	✓	✓	✓	✓	-	✓	✓	✓	✓
Strap brake relief	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reversing sledge	47 / 47S	47 / 47S	47 / 47S	47 / 47S	47 / 47S / 85S	47 / 47S / 85S	47 / 47S / 85S	47 / 47S / 85S	47 / 47S / 85S
Headpiece with bumper	✓	✓	✓	✓	✓	✓	✓	✓	✓
Special equipment									
Mobile overheight module	✓	✓	✓	✓	-	✓	✓	✓	✓
Sledge tunnel stationary	✓	✓	✓	✓	-	✓	✓	✓	✓
Mobile sledge tunnel station	✓	✓	✓	✓	-	✓	✓	✓	✓
Accessories									

*Standard strapping: Battery pack: 100 charging- and discharging-cycles | Strap: 13 mm PET (complete strap roll) | Sealing Tool: 726, Tension Force 900 N without soft, Welding time 2 | Pallet: pallet width 0.8 m, pallet height 1.15 m | Strapping speed: fast | Room temperature: 20 °C

THAT IS ALREADY
PART OF IT ”

AIR 713-580 / 726-580 / 745-580

- WITH ELECTRONICALLY CONTROLLED DRIVE & CONTROL VIA JOYSTICK
- 24V AGM BATTERY PACK
- CHARGER
- ERGOPACK TRIPLEX-TOOL-LIFT
- SEALING HEAD
- HEIGHT ADJUSTABLE

The ErgoPack Air is a milestone in pallet strapping. The worldwide one and only mobile system to strap elevated pallets.

For use on conveyor lines, lifting tables or tugger trains.



<https://youtu.be/yBVBeAe6Hlg>



MOBILE OVERHEIGHT MODULE ENABLES STRAPPING OF PALLETS UP TO 3M HEIGHT

This custom-made accessory is designed to strap pallets of up to 3m 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 ErgoPack machine via a detachable quick fastener. Once the Mobile Overheight Module gets separated from the ErgoPack machine, normal pallets of up to 2,3m height can be strapped as usual.

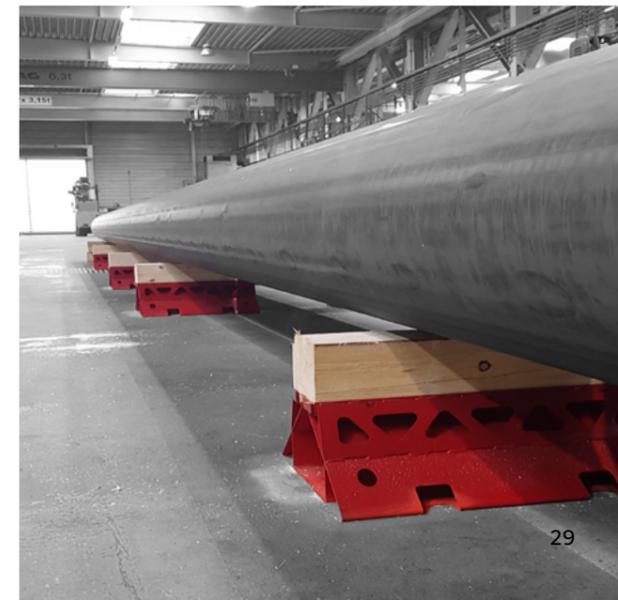
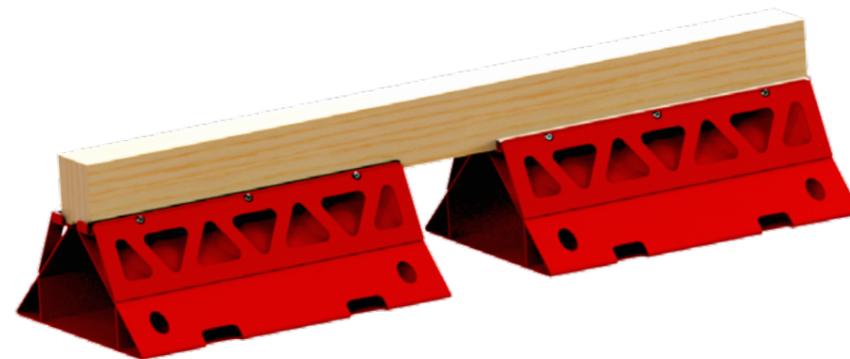


<https://youtu.be/c-T20Yeu7Cw>



STRAPPING FOR SCANTLINGS STATIONARY SLEDGE TUNNELS | LOCAL

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



<https://youtu.be/mDCOVC6txfE>



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.



Battery powered sealing tools for PP and PET straps

Secure one-hand-operation, high tensioning force, low weight, optimized balance – a compact and sturdy construction particularly for the industrial use.

ORT-130: 9-13 mm strap width, 150N - 1.200N tensioning force
 ORT-260: 12-16 mm strap width, 400N - 2.500N tensioning force
 ORT-450: 15-19 mm strap width, 400N - 4.500N tensioning force



Strap dispenser

Heavy-duty galvanized strap dispenser with storage box and rubber wheels. Perfectly suitable for outside work. The specially designed strap guide in combination with an external drum brake prevents the disturbing chasing of the strap.
 For strap cores 406 mm



High-Performance PP and PET straps for highest demands

For highest quality demands | Plastic straps for all available ErgoPack systems

PP: 12,7 x 0,73 mm, breaking strength 236 kg, 2.000 m/roll, 48 rolls/pallet
 PP: 16,0 x 0,73 mm, breaking strength 225 kg, 2.000 m/roll, 48 rolls/pallet
 PET: 12,5 x 0,60 mm, breaking strength 290 kg, 2.500 m/roll, 22 rolls/pallet
 PET: 15,5 x 0,90 mm, breaking strength 534 kg, 1.500 m/roll, 22 rolls/pallet
 PET: 19,0 x 0,90 mm, breaking strength 700 kg, 1.200 m/roll, 22 rolls/pallet



Always close to you



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

FREE

Are you interested in the ErgoPack 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



**INTERESTED IN TRAINING OR
NEED INSTRUCTION?**

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

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



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

Customer service



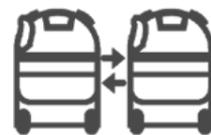
Guaranteed satisfaction

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.

We are convinced of our ErgoPack system



We are fully convinced of the reliability and efficiency of our ErgoPack systems.

After delivery and training, you therefore have the right to return the ErgoPack system to us within four weeks, if the expected efficiency benefits do not materialize. You will only have to pay a handling fee of eight percent of the net order value and the shipping costs.

Your ErgoPack expert

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.



ErgoPack Deutschland GmbH
Hanns-Martin-Schleyer-Str. 21
89415 Lauingen/Donau
Germany
+49 (0)9072 70283-0
experte@ergopack.de
www.ergopack.com



EN v.01



WWW.ERGOPACK.COM