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EQUIPMENT

Simple,

like opening a bottle!

The Aerial Bundle Extractor

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Since the development of the first so called, "bundle pullers" in the late 60's, this successful product has gone through some major changes.
Where the first bundle pullers were huge, air driven and slow machines, the new design is all self contained, easy to operate and slim, making it possible to pull nearly any bundle with minimal effort.
Peinemann has been active in bundle pulling since the early 70's. Being a large contractor in this field, helped us discover what was really necessary to build the best bundle puller for the job.
The secret is to listen and look at the people in the field who use the machines every day and design a machine especially for them.


Peinemann line: 100T, 80T & 45T

Bundlelifter


Three meter diameter tube sheet (10 feet)


100T bundle puller with 100T winch capacity


NEW 25T extractor with 30T combi lifter

As the world changes around us, so does the size and weight of the bundles. We are noticing that the new plants often have larger and heavier bundles than we ever expected many years ago. Being active as a leader in the world wide market of bundle pullers keeps us informed about the new developments and helps us to change our designs according to the latest technological possibilities.

The Aerial bundle extractor is a self contained unit, which is easily lifted in position by a crane. The machine has it's own air cooled diesel engine, which drives the hydraulic system and is operated via remote control.
Depending on the weight, length and diameter of the bundle, we can offer you a custom made extractor ranging from 20T up to 125T capacity (until we are asked to go larger).
The extractor is clamped to the exchanger by means of 2 hydraulic clamps at the front of the machine. Two steel slings are secured around the shell to make sure the extractor is abso-

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25T extractor in action


60T bundle puller with 2 meter rear extension (6.5 feet). Pulling 11 meter bundle (36 feet)

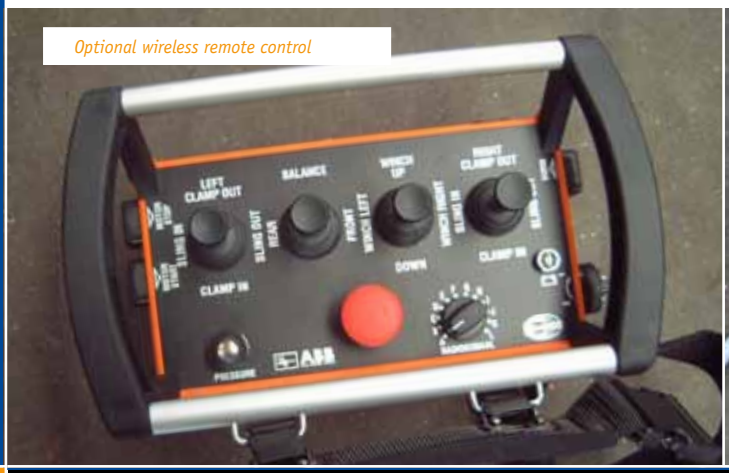

45T (EL) extractor in action, pulling an 8 meter bundle

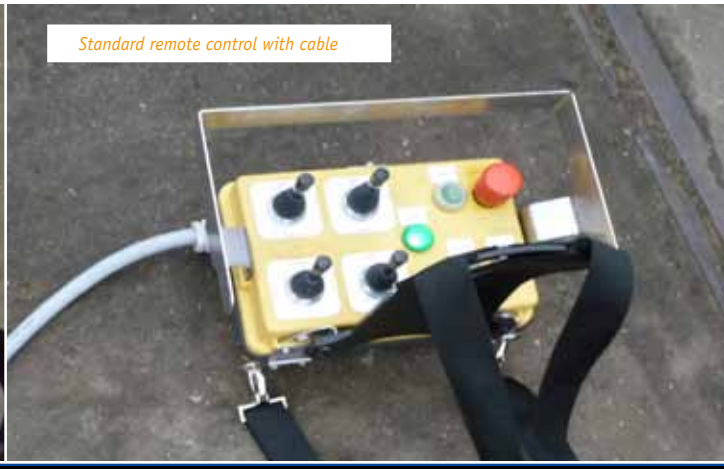

60T bundle puller with 10 meter bundle (33 feet) and 2,75 meter diameter lifting frame (9 feet)

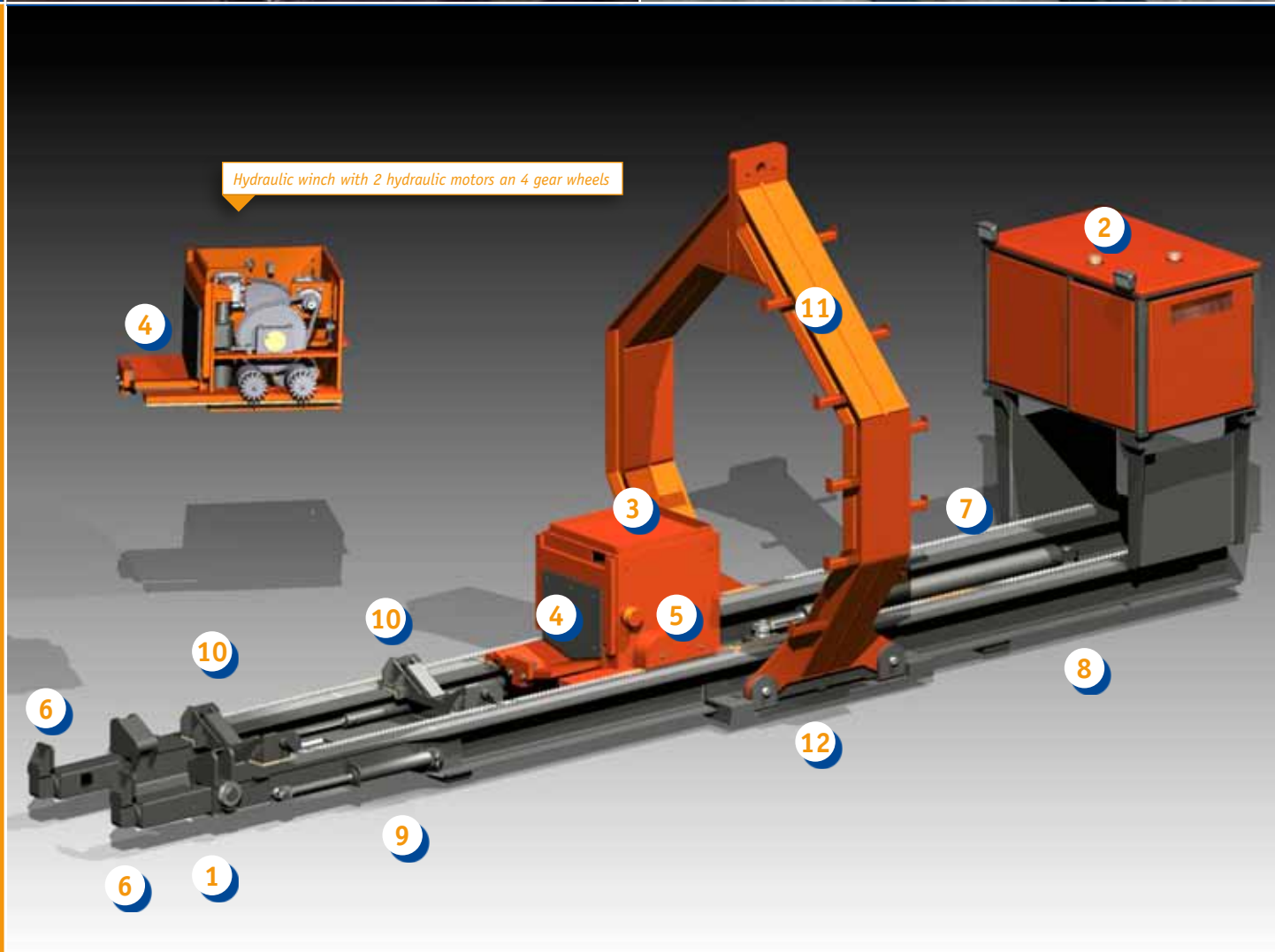
lutely fixed to the shell before we start to pull it out.
With a very powerful hydraulic winch, ranging from 30T up to 100T pulling force, we can easily pull the exchanger out of the shell without putting any stress on the foundation. The pulling winch is equipped with a vertical lifting pull hook system which can hydraulically raise and lower to make sure the bundle is always in line with the shell while pulling. This feature offers huge benefits for the operators of the crane as it brings the communication with the bundle puller operator down to a minimum.

Once the bundle is pulled out, the operator balances the extractor by moving the lifting frame forward with his remote control. When the extractor is in balance, the slings at the front will become slack and the operator can now safely disconnect the extractor from the shell and lower the extractor to the ground.
Once on the ground, the balance frame can be moved backwards and the bundle moved forwards so the bundle can be lifted out without dismantling the extractor.

See also
www.peinemannequipment.com





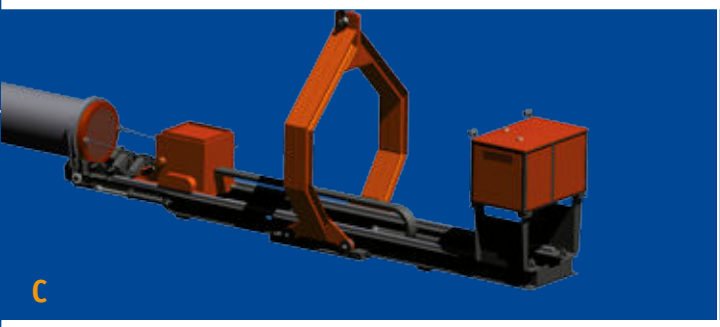


Description

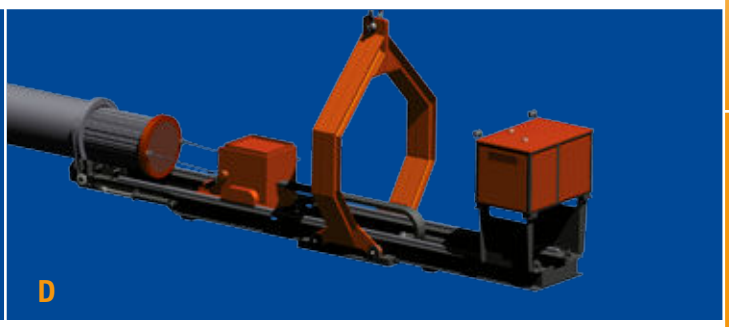
1. Front butt plates
2. Engine compartment with Air cooled diesel engine and hydraulic pump/valves
3. Hydraulic winch with 2 hydraulic motors and 4 gear wheels
4. Vertical lifting “pull hook” covered with heavy duty plastic
5. Pulling anchors for initial break of the bundle with slings
6. 2 Front clamps
7. Balance cylinder connected to lifting frame to balance the extractor
8. Main frame
9. Sling cylinders to attach the extractor to the shell flange
10. V-blocks to support the bundle
11. Lifting frame
12. Balance plate with attachments for lifting frame

Extractor in empty balanced position

Connect slings to shell flange and clamps behind shell flange



Connect pulling slings of the winch to tube sheet



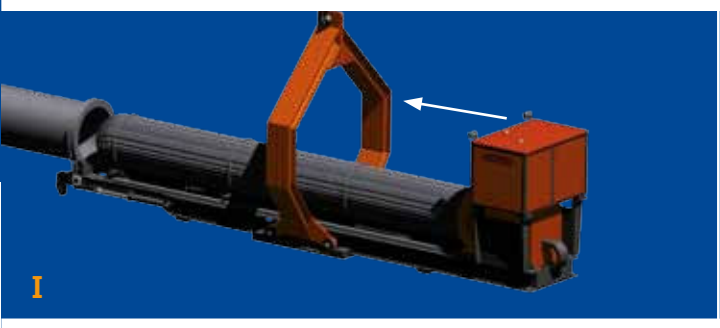
Initial break of bundle

Disconnect pulling slings and move pull hook behind tube sheet

Use V-block to support bundle

Pull out bundle completely

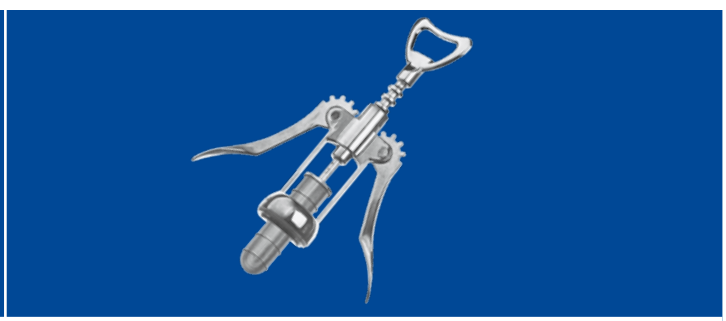
Disconnect clamps



Move lifting frame forwards with balance cylinder

When slings are loose, disconnect and remove extractor

Position extractor on the ground and move lifting frame backwards to remove bundle



Simple, like opening a bottle!

In 15 minutes most bundles are free

Most bundles can be removed within 15 minutes with our extractors. Of course, they can be put back in the shell, using the same machine.


25T 6100 x 1600 E


45T 7000 x 2000 EL


45T 8000 x 2000 EL


25T extractor with 30T combi lifter

25T and 45T EL(S) models will allow for the Combi Lifter to be fitted

Peinemann offers the following standard bundle extractors

1. **25T 6100 x 1600E** Our smallest extractor, capable of handling bundles up to 7 meter lenght, 1.6m diameter* and bundle weigh capacity of 25T. This is an extractor which is perfectly suitable for the confined areas thanks to its dimensions and the low own weight of approx 5T.
2. **45T 7000 x 2000EL** One of our most popular extractors. It can handle bundles up to 8M in lenght and 2 meter diameter*. As a larger extractor can also handle the smaller bundles it gives you added flexibility. A powerfull winch with dual hydraulic motors will generate a continuous pulling force of 60T. Thanks to the dual motor set up the system work s at a max of 190 Bar. This in turn will contribute to a much longer life of the extractor.
3. **45T 8000 x 2000EL** Same capacities and suitable for bundles up to 9m in lenght.
4. **45T 6100 x 2000ELS** Same capacities but with the advantages of rear extension. This latest model will allow for an increase in flexibility as it can be made compact for the confined areas and can be made longer for bundles up to 9.1 meter.

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80T 9000 x 3000 ES


60T 9000 x 2750 ES


Selection of lifting frames

5. **60T 8000 x 2000ES** One of our most versitile extractors thanks to the front and rear extensions. This model allows you to pull bundels up to 9m in lenght, but has the flexibility to be extended for 12 meter bundles when needed. This rear extension will also allow you to enter much deeper into (super) structures.
6. **80T 9000 x 2750ES** Similar versitility as our other ES models but with a higher capacity and longer lenght.
7. **100T plus models** As plants become larger, the exchangers grow with them. We have made custom exchangers of 100T plus models to accomodate specific projects. Within the 100T plus range the model: 100T 9500x3000 would be most common. This extractor is capable of bundles weighing 100T with a diameter of 3 meter* and lenght of 10 meter.

* different sizes of lifting frames are available with all extractors

See also
www.peinemannequipment.com

Hydraulic Tube Bundle Extractor

Technical specifications

Measurements & weights are approx.

Extractor model	25T 6100x1600E	45T 7000x2000EL	45T 8000x2000EL	45T 6100x2000ELS	60T 8000x2000ES	80T 9000x2750ES	125T 12000x3000
• Max. bundle weight, kg	25000	45000	45000	45000	60000	80000	100000-125000
• Max. bundle length for extractor without extensions, mm	6100	7000	8000	6100	8000	9000	custom upon request
• Length of the extractor without extensions, mm	7100	8000	9000	7100	9000	10000	"
• Max. bundle length for extractor with front extension, mm	7100	8000	9000	7100	9000	10000	"
• Max. bundle length for extractor with both front and rear extensions, mm	-	-	-	9100*	11000*	12000*	"
	-	-	-	-	12000**	-	"
• Length of the extractor with both front and rear extensions attached, mm	8100	9000	10000	10100	12000*	13000*	"
	-	-	-	-	13000**	-	"
• Max. bundle diameter with standard lifting frame, mm	1600	2000	2000	2000	2000	2750	"
• Other size lifting frames which are available	2000	2500 | 3000	2500 | 3000	2500 | 3000	2750 | 3000	2000 | 3000	"
• Width of lifting frame in operational position, mm	1953	2450	2450	2450	2425	3450	"
• Width of main frame, mm	900	1120	1120	1120	1160	1160	"
• Height of extractor in operational position, mm. Depending on the size lifing frame	(1600 mm) 2474 (2000 mm) 2864	(2000 mm) 3300 (2500 mm) 4022	(2000 mm) 3300 (2500 mm) 4022	(2000 mm) 3300 (2500 mm) 4022	(2000 mm) 3500 (2750 mm) 4650 (3000 mm) 4969	(2750 mm) 4560	"
• Operational weight, kg	5000	8500	8900	9000	11500	13500	"
• Diesel engine, air cooled, hp	33	33	33	33	33	33	"
• Standard hydraulic pressure, bar	190	190	190	190	190	190	"
• Max. pulling force of winch, ton	30	60	60	60	60 | 80	80	"
• Suitable to work in combination with a combilifter, type	30T Combi	53T Combi	53T Combi	53T Combi	No	No	No

*** with 2 meter rear extension pieces**

****with 3 meter rear extension pieces**

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See also
www.peinemannequipment.com

Peinemann Equipment iPhone App
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