

BUNDLE EXTRACTOR

— Professional Solutions for Heat Exchanger Maintenance



Powerful · Reliable · Efficient

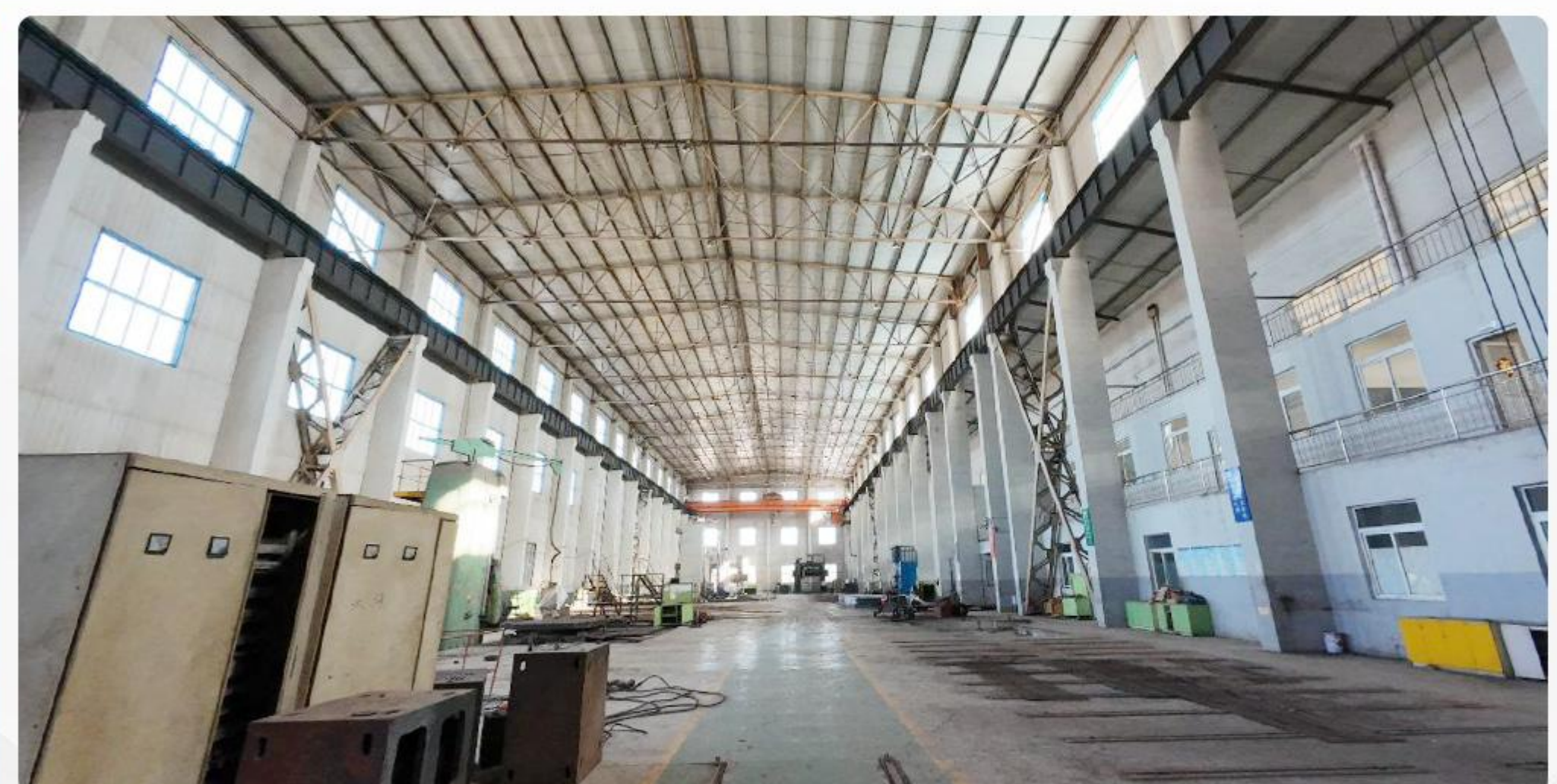
Innovation & Efficiency



Tube Bundle Extractor Manufacturer

Qingwei Equipment is a China-based manufacturer specializing in tube bundle extractors (bundle pullers) and heat exchanger maintenance equipment. Supported by a well-established manufacturing and quality control system—including fabrication, assembly, and final inspection—we deliver dependable equipment, stable lead times, and long-term technical support for refineries, petrochemical plants, power & industrial service contractors.

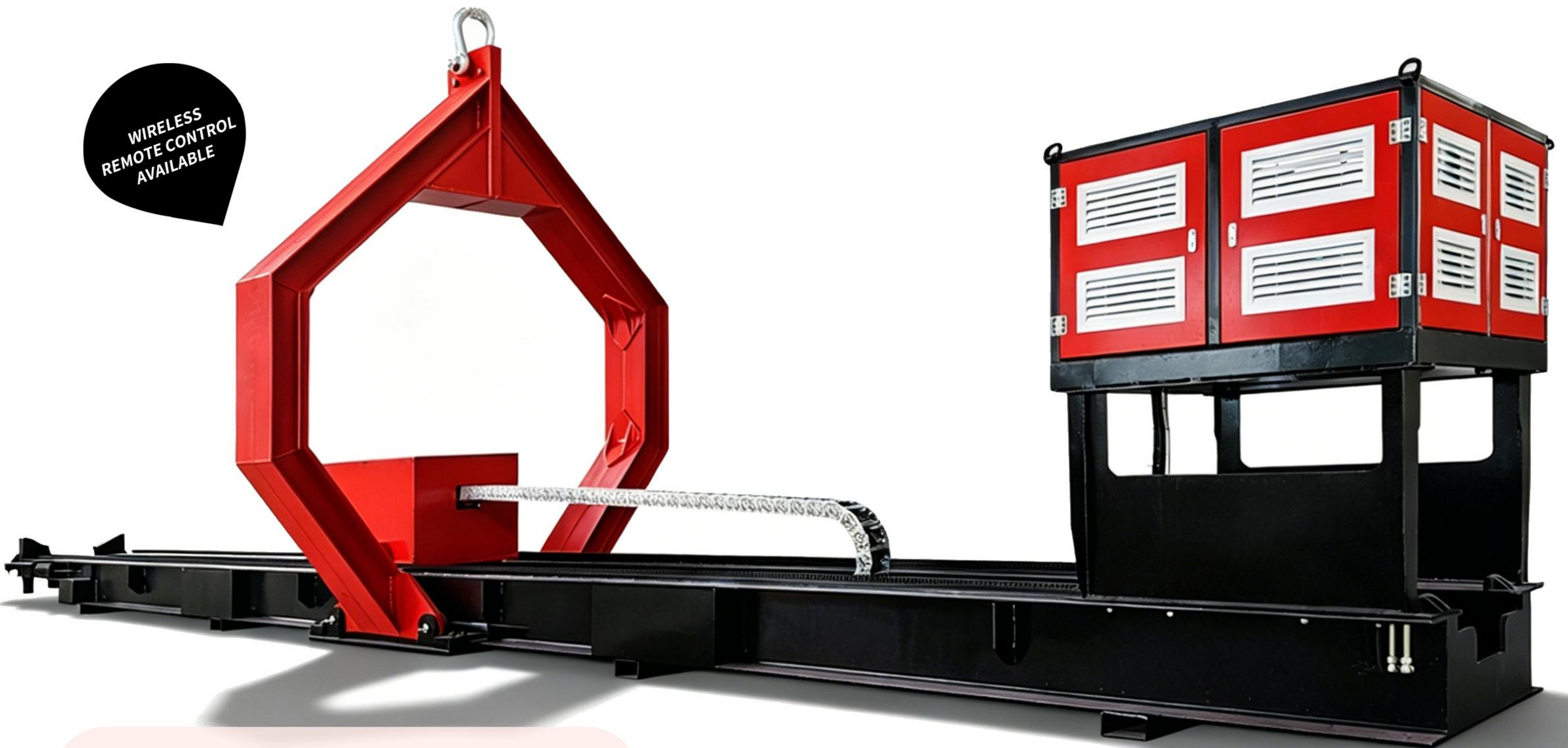
Our complete product range covers rated pulling capacities from 15 to 125 tons, including diesel-powered and electric-powered tube bundle extractors. With modular stroke options and flexible lifting-frame/clamp configurations, each unit can be sized and configured for different exchanger bundles and site conditions. We also provide selection guidance, typical GA reference layouts, commissioning support, and operator training to ensure smooth on-site deployment.



Diesel Tube Bundle Extractor



WIRELESS
REMOTE CONTROL
AVAILABLE



Powerful Extraction Capacity
Safe and Flexible Operation
Designed for Site Conditions

◆ Engineered for Turnaround Maintenance

The diesel-powered tube bundle extractor is developed for tube bundle extraction and reinsertion during refinery and petrochemical plant maintenance. Its independent diesel power system makes it particularly suitable for outdoor sites and working areas where a stable external power supply is not readily available.

Designed for demanding turnaround operations, the equipment helps maintenance teams handle heat exchanger bundles safely and efficiently. Remote control operation enables the operator to work from a safer and more convenient position during equipment positioning, bundle pulling and reinsertion activities.

Different configurations can be selected according to tube bundle diameter, length, weight, operating height and available site space. Qingwei provides technical selection support, GA reference layouts and commissioning guidance to support smooth on-site deployment.

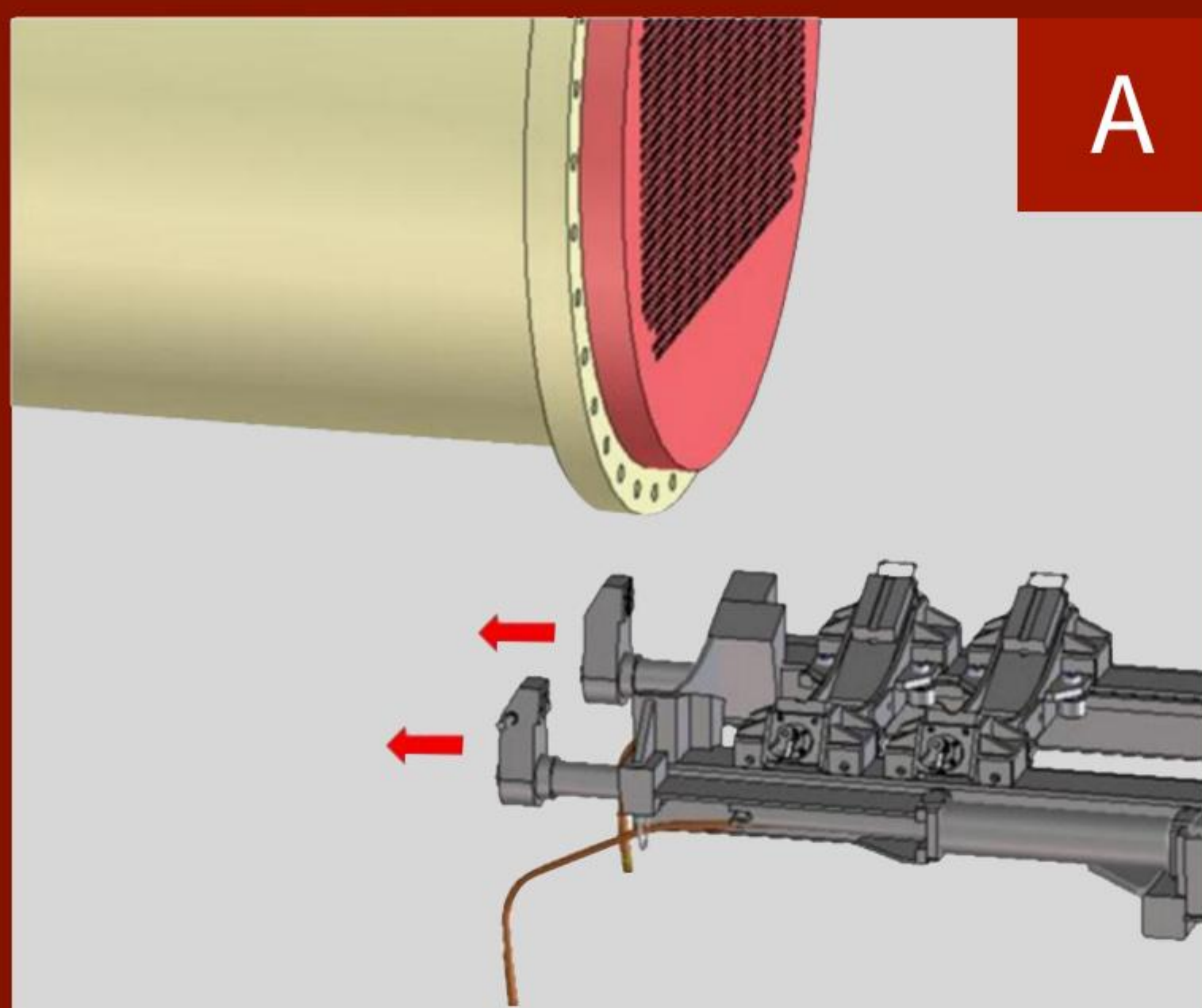
Independent Diesel Power

Designed for outdoor maintenance and turnaround applications where reliable operation without external power supply is required.

Customized Configuration

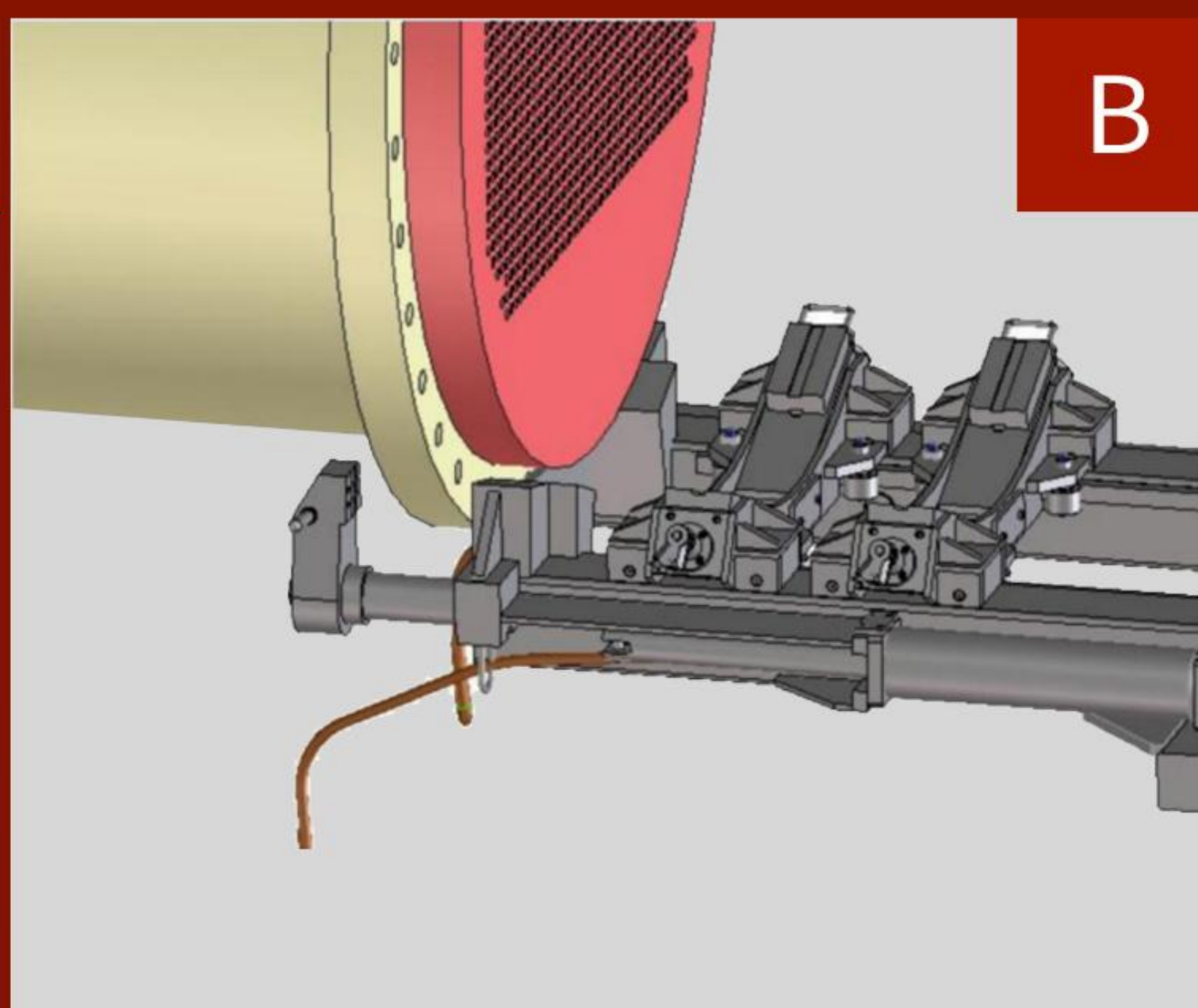
Configurations can be selected according to tube bundle diameter, length, weight, operating height and site space limitations.





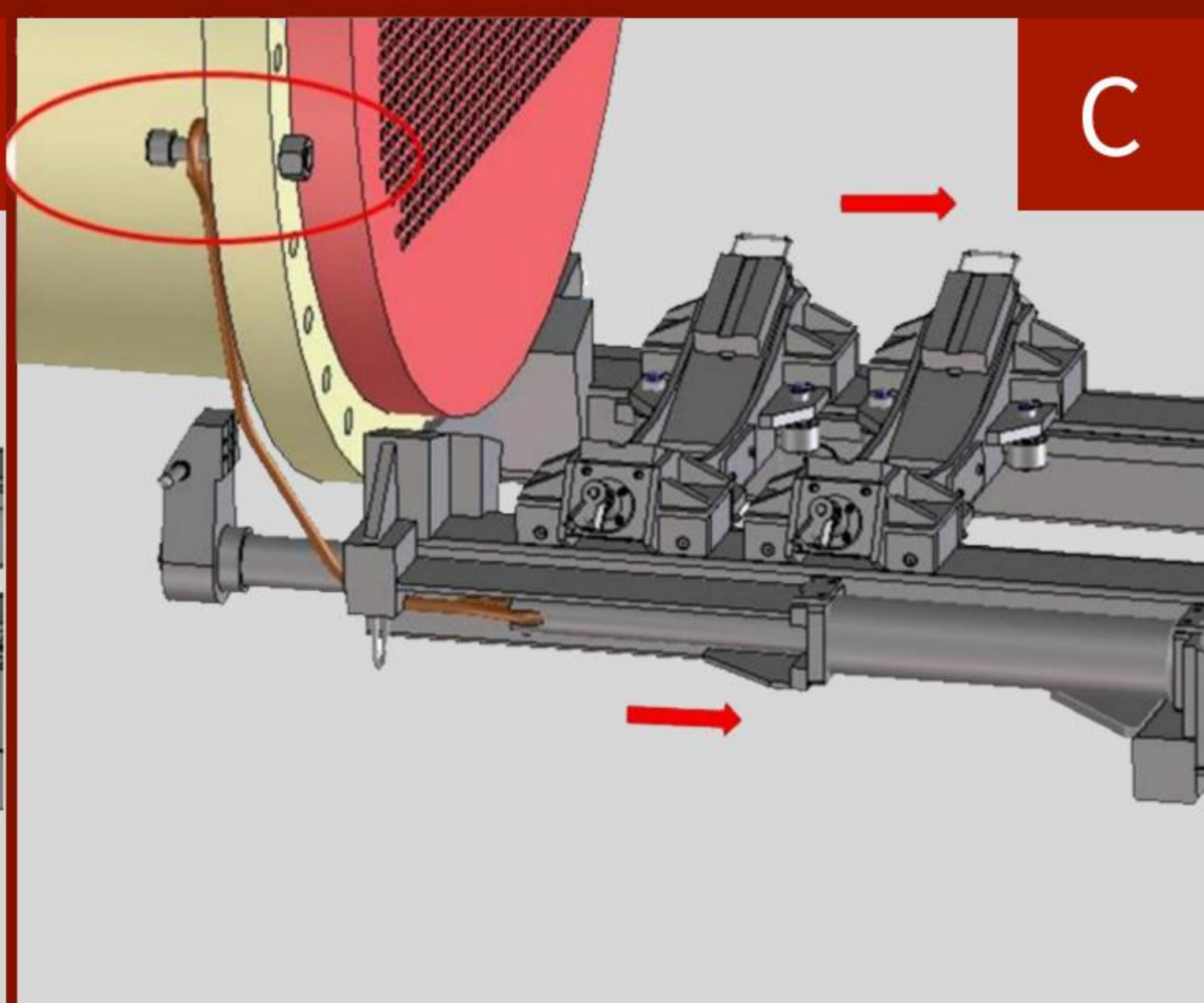
A

Move the clamp assembly to the shell flange position.



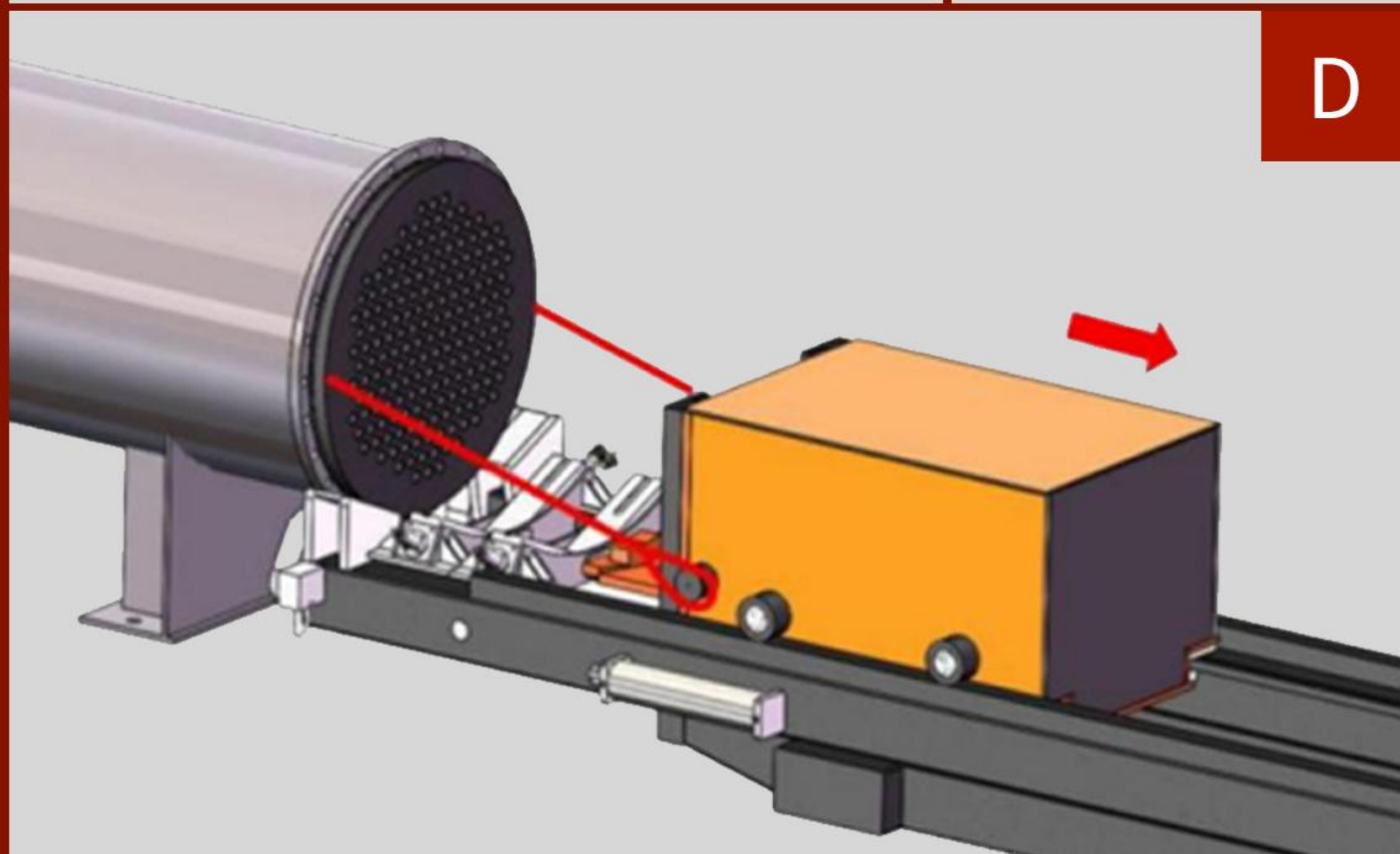
B

Align the clamps with the shell flange and bolt holes.



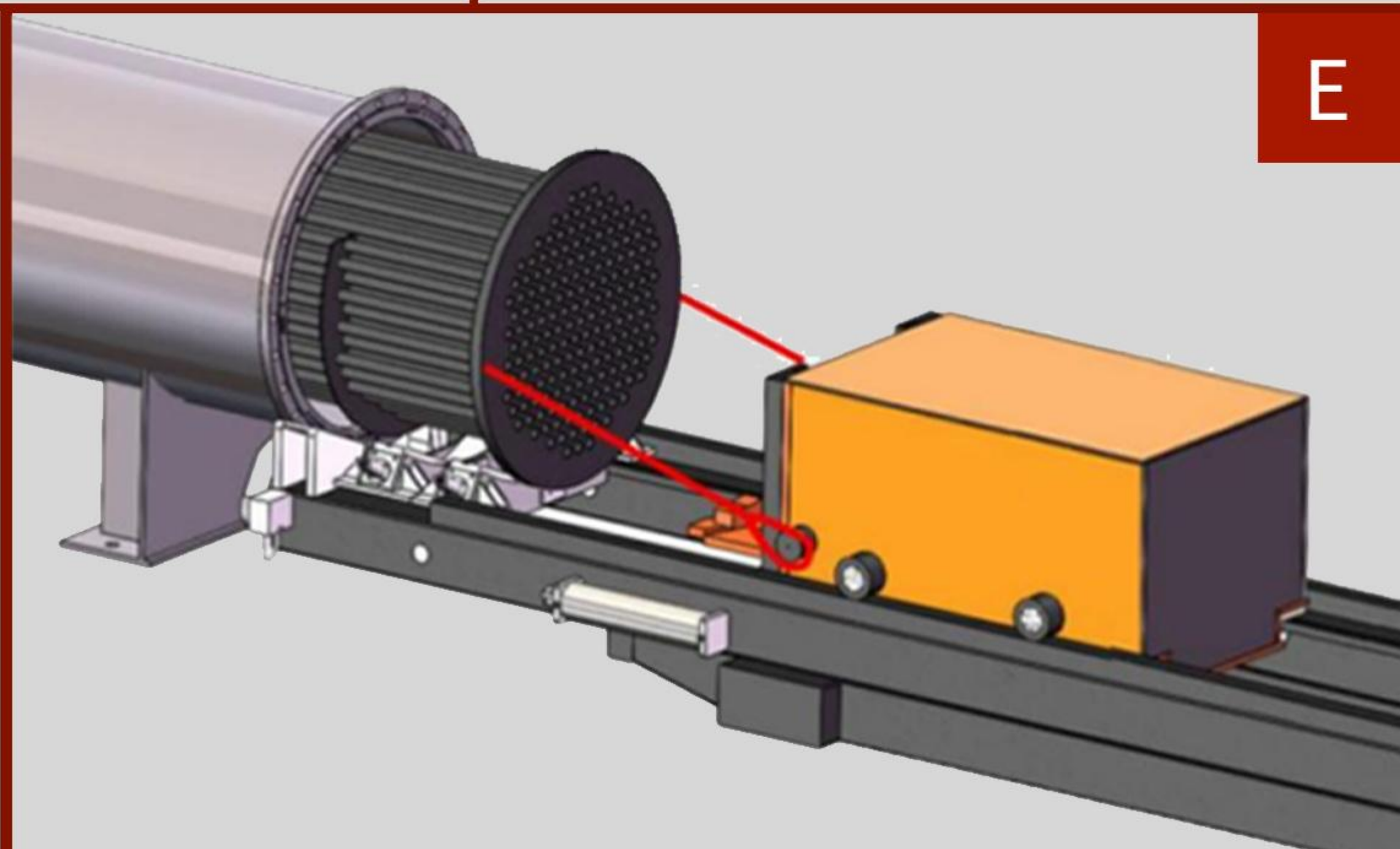
C

Lock the clamps behind the shell flange.



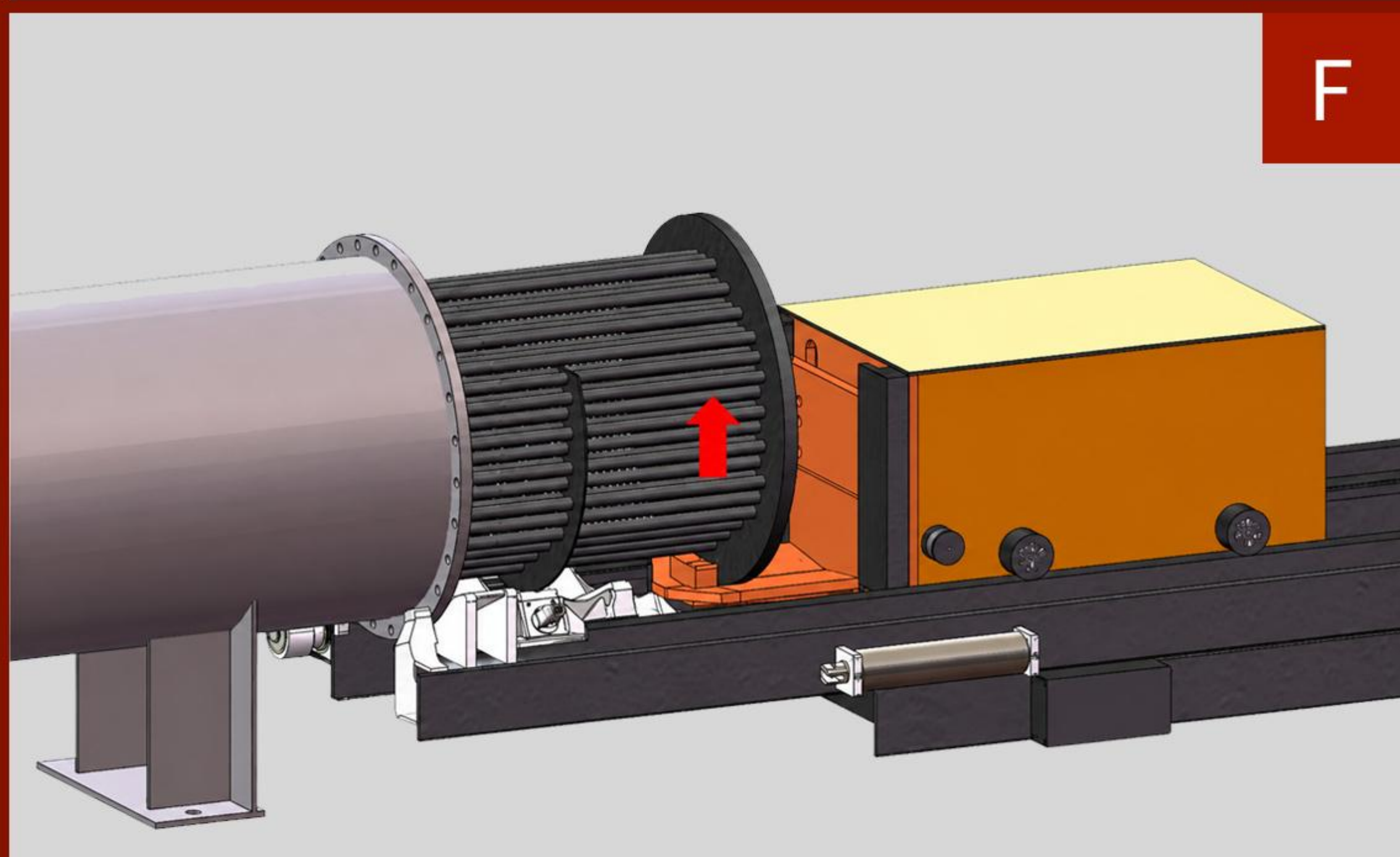
D

Position the winch plate against the tube sheet.



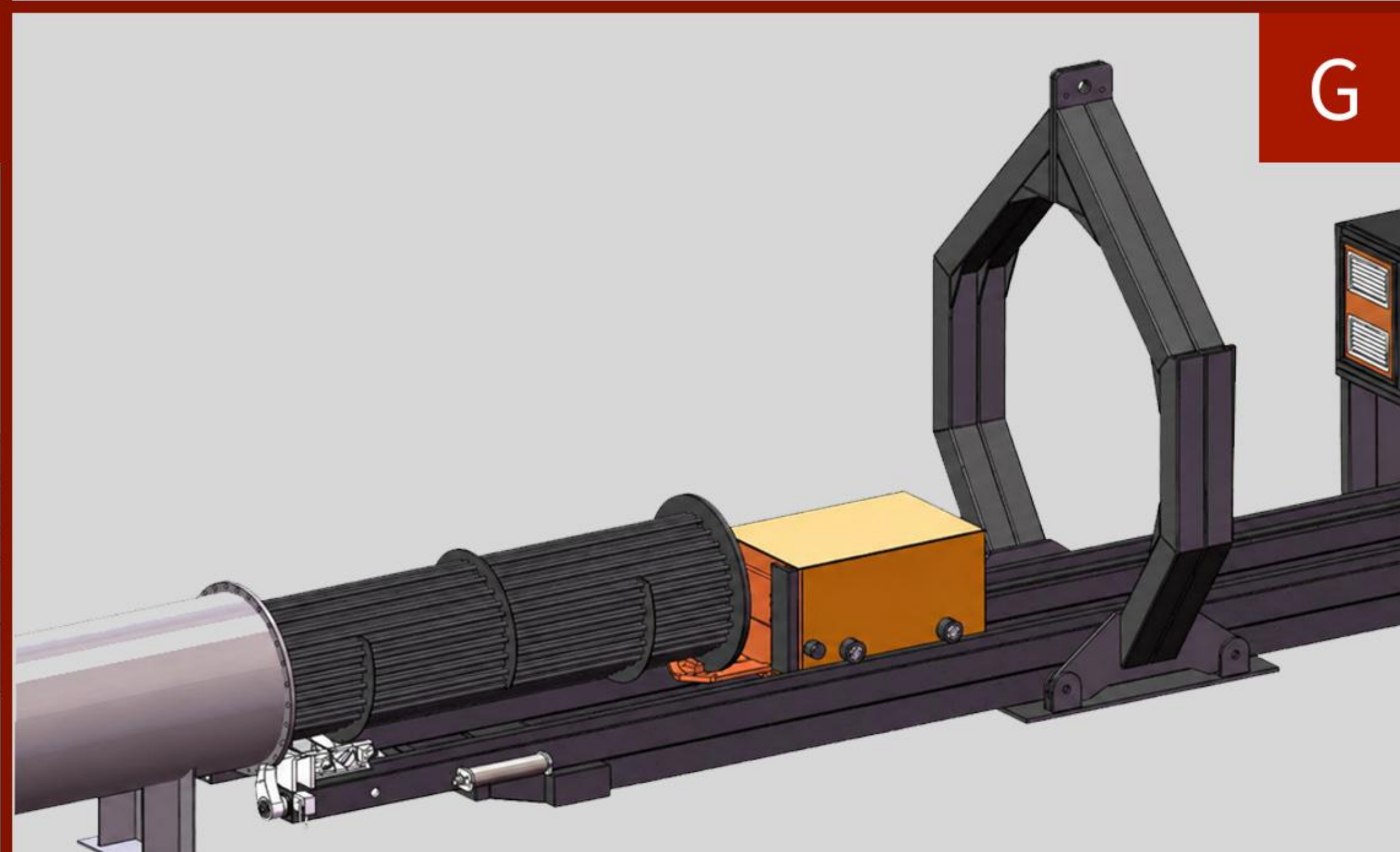
E

Start pulling to achieve the initial break of the bundle.



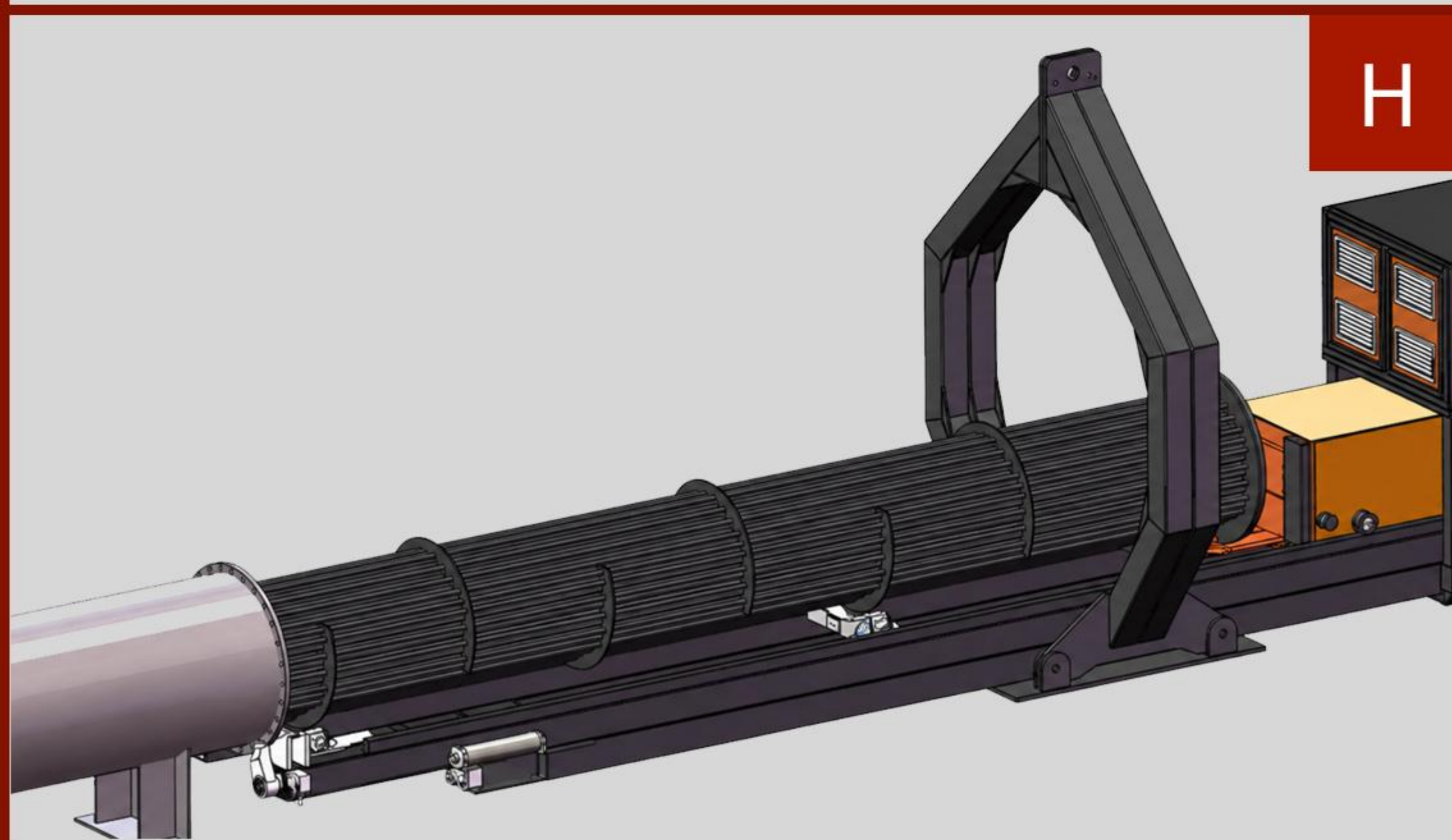
F

Keep the pulling plate securely engaged with the tube sheet during extraction.



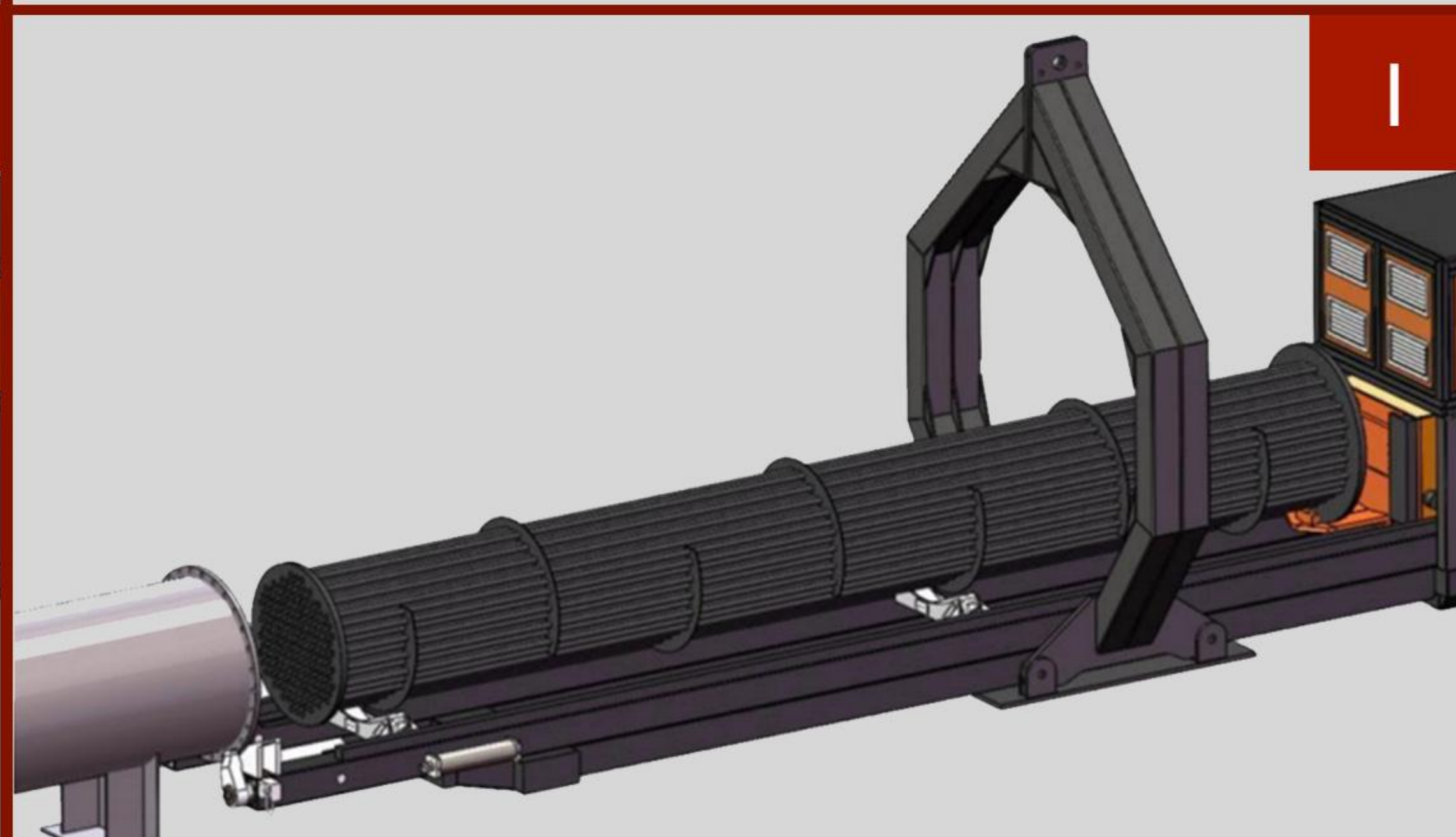
G

Continue pulling the bundle out along the extractor rails.



H

Pull the tube bundle out completely.



I

Once the tube bundle is fully supported and the slings are slack, disconnect and remove the extractor.

1. Clamping cylinder

The clamping cylinders secure the extractor to the exchanger shell flange, helping maintain stability during bundle extraction.

2. Side sling cylinder

The side sling cylinders adjust the supporting slings used to stabilize the tube bundle during extraction.

3. Following trolley

The trolley can support tube bundle during the extraction process.

4. Lifting frame

The lifting frame provides the designated lifting point for handling the extractor by crane.

5. Winch plate

The pulling plate engages with the tube sheet during initial pull-out and extraction.

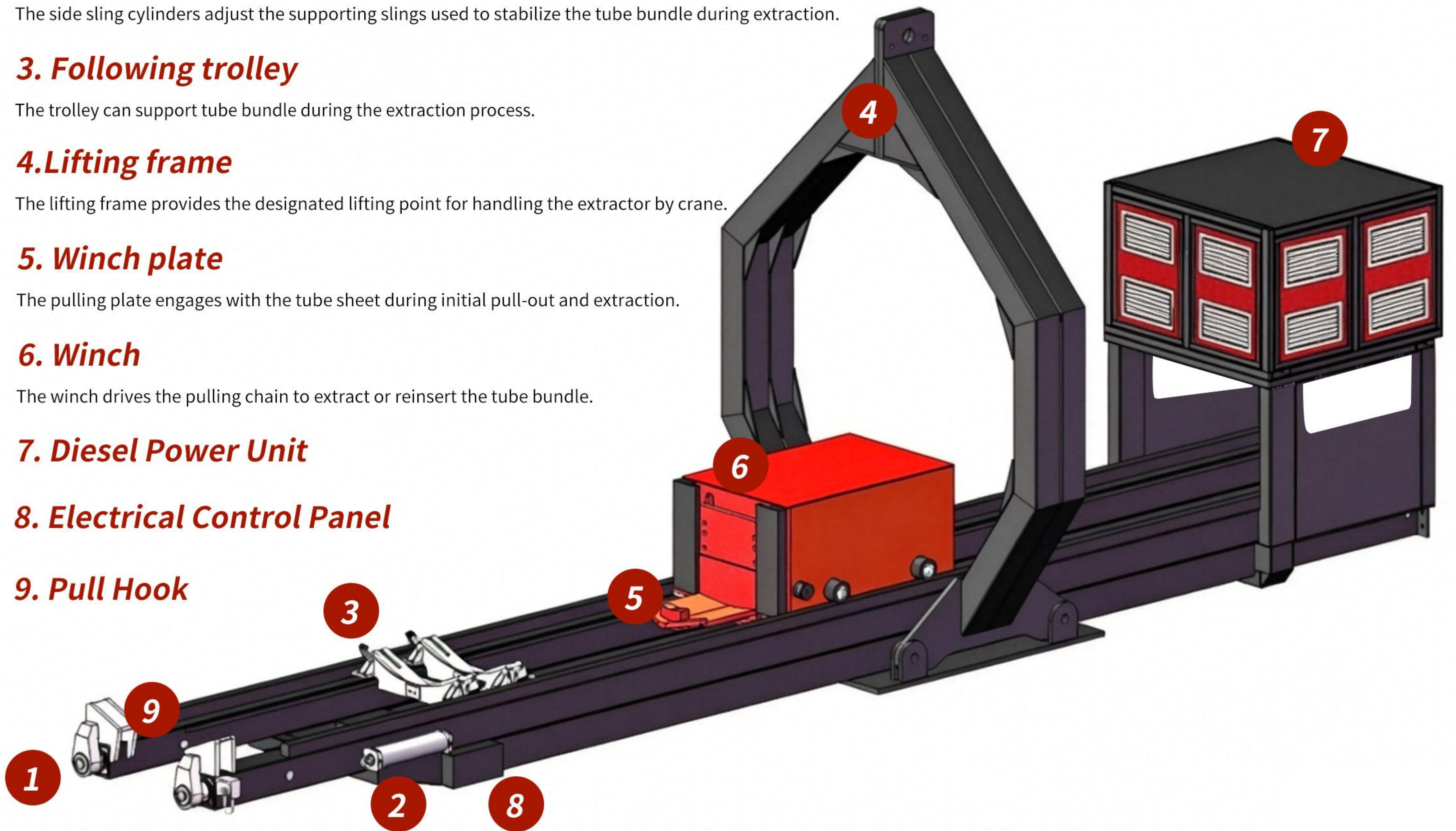
6. Winch

The winch drives the pulling chain to extract or reinsert the tube bundle.

7. Diesel Power Unit

8. Electrical Control Panel

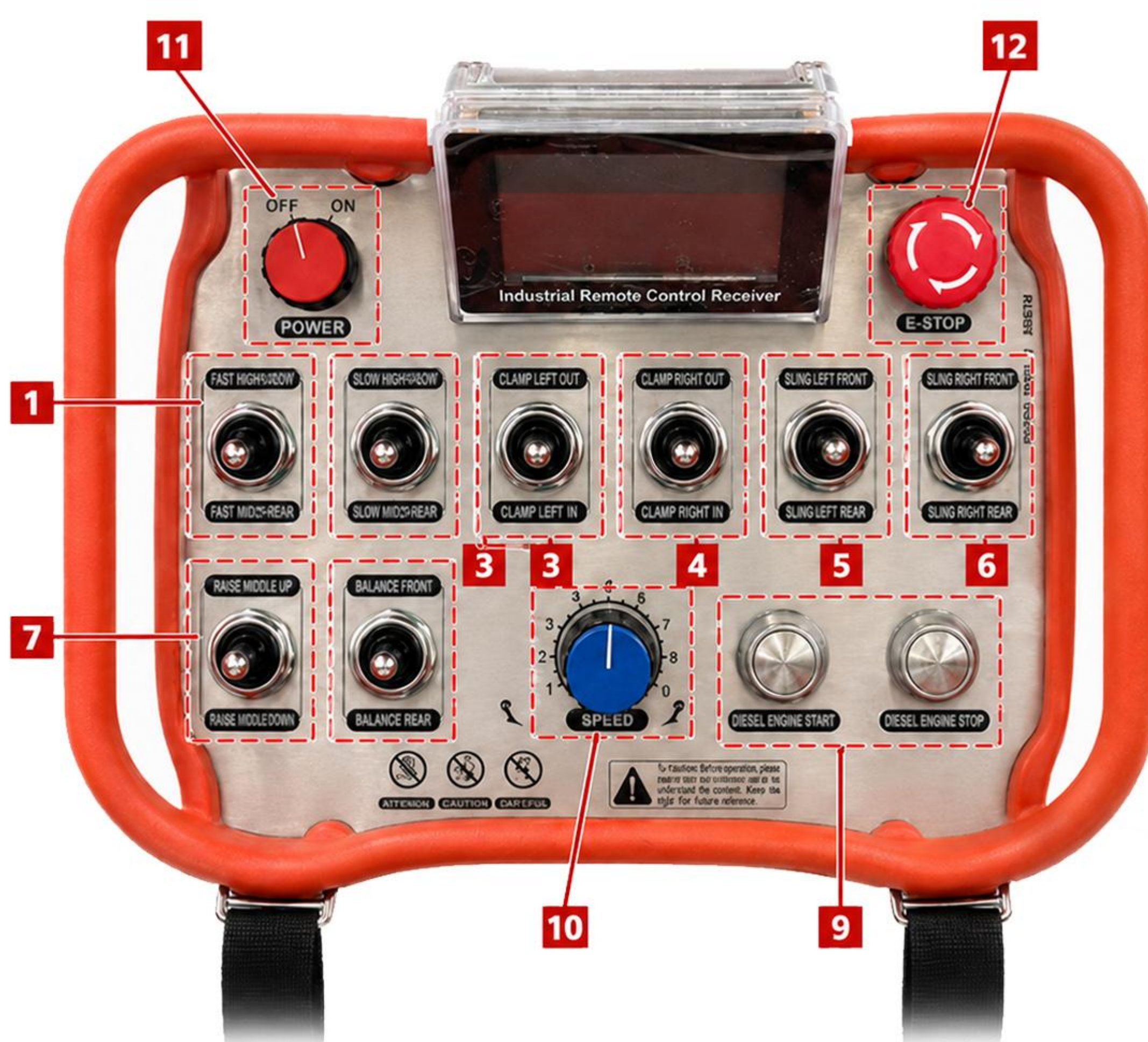
9. Pull Hook



Main components description

Wireless control

1. Fast winch front / Fast winch rear
2. Slow winch front / Slow winch rear
3. Clamp left out / Clamp left in
4. Clamp right out / Clamp right in
5. Sling left front / Sling left rear
6. Sling right front / Sling right rear
7. Frame winch up / Frame winch down
8. Balance front / Balance rear
9. Diesel engine start / Diesel engine stop
10. Speed control
11. Power switch
12. Emergency stop



TECHNICAL SPECIFICATIONS

Model	QW15-6	QW25-6	QW35-8	QW45-8	QW65-12	QW85-12	QW100-12
Max. pulling force (T)	15	25	35	45	65	85	100
Max. load (T)	15	25	35	45	65	85	100
Max. bundle diameter (mm)	1400	1600	1800	2000	3000	3000	3000
Max. bundle length (mm)	6000	6000	8000	8000	12000	12000	15000
Engine	KUBOTA:V2403BM-DI-CT04e	KUBOTA:V2403BM-DI-CT04e	KUBOTA:V2403BM-DI-CT04e	KUBOTA:V2403BM-DI-CT04e	KUBOTA:V2403BM-DI-CT04e	KUBOTA:V2403BM-DI-CT04e	KUBOTA:V2403BM-DI-CT04e
Number of cylinders	4	4	4	4	4	4	4
RPM	2,600	2,600	2,600	2,600	2,600	2,600	2,600
Power	36kW	36kW	36kW	36kW	36kW	36kW	36kW

*Specifications shown are based on standard configurations and are subject to final confirmation according to tube bundle dimensions and site conditions.





Your Trusted Partner in Tube Bundle Extraction



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