CALDER

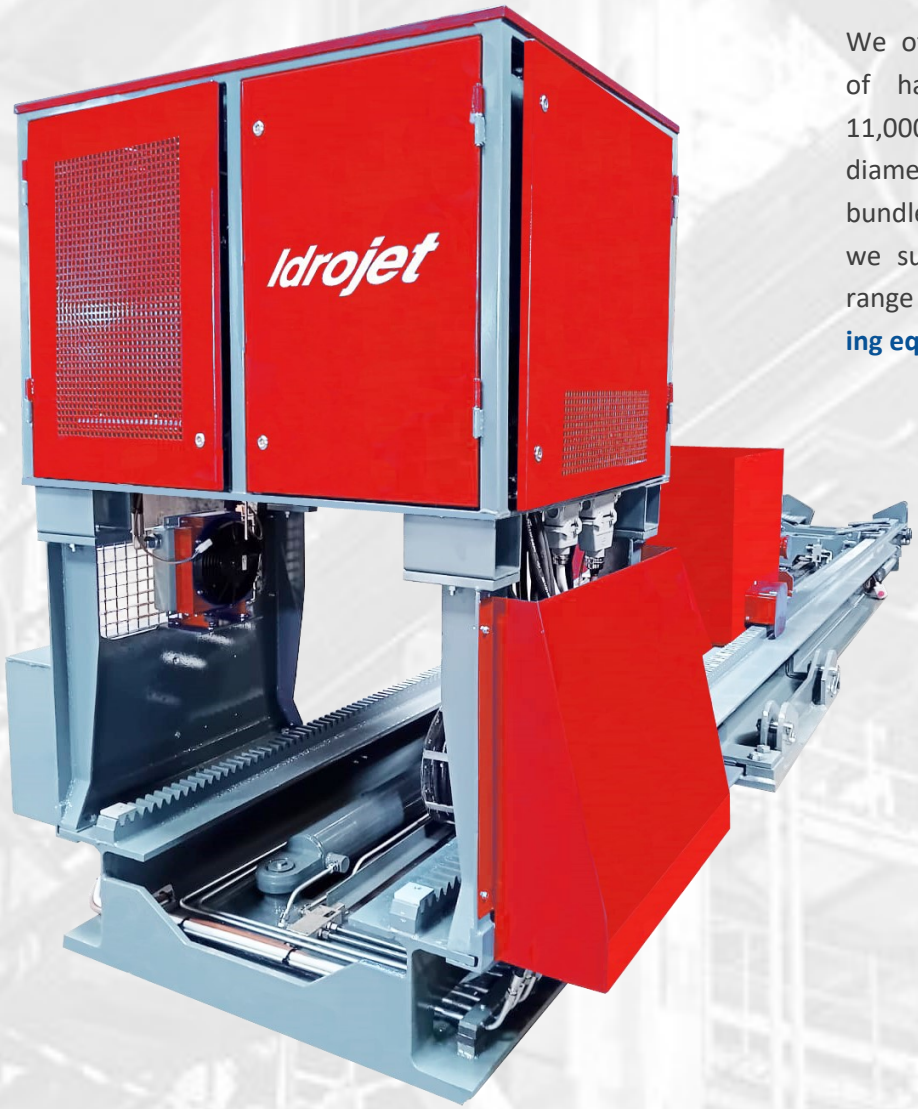
Bundle Pulling Machines



BUNDLEPRO

The safe and efficient method of extracting tube bundles. From 5 tonnes to 100 tonnes, we have the machine to make your job easier. Twelve models of aerial bundle extractor along with truck-mounted and self-propelled machines offer you the solution to the majority of tube bundle handling jobs.

Designed to streamline the crucial process of tube bundle extraction for cleaning in refineries, our extractors are engineered to deliver high performance with safety and reliability. Minimizing downtime, our solution empowers operators to enhance productivity while ensuring the integrity of their equipment.



We offer extractors capable of handling tubes up to 11,000 mm and 3,200 mm in diameter. And once the tube bundle has been extracted, we supply a comprehensive range of **tube bundle cleaning equipment.**

- **Cobra Line option - self-balancing option available on all models.**
- **Wireless control option available on all models.**
- **80,000 kg and 150,000 kg winch pull force options available on selected models.**
- **Extension kits available on selected models.**
- **Hazardous area models available.**

As part of ongoing product development, weights and dimensions may be subject to change.
Specifications will be confirmed at quotation stage.

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5,000 kg to 20,000 kg

	5T	10T	15T	20T
Extractor				
Length	6,600 mm	7,000 mm	7,400 mm	7,400 mm
Width (without arch)	800 mm	1,000 mm	1,200 mm	1,200 mm
Maximum height	1,880 mm	1,880 mm	1,880 mm	1,880mm
Weight (unloaded, without arch)	1,600 kg	1,600 kg	1,800 kg	2,000 kg
Tube Bundle				
Maximum length	6,000 mm	6,400 mm	7,000 mm	7,000 mm
Maximum weight	5,000 kg	10,000 kg	15,000 kg	20,000 kg
Maximum diameter	1,000 mm	1,250 mm	1,500 mm	1,500 mm
Maximum winch pull force	10,000 kg	10,000 kg	10,000 kg	10,000 kg
Winch pulling speed	2,500 mm/min	2,500 mm/min	2,500 mm/min	2,500 mm/min
Engine - all models from 5T to 20T				
Type	1D90W			
Number of cylinders	1			
Cubic capacity	722			
RPM	3,000			
Horse power	16			
Cooling system	air			

- **Self-balancing option available on all models.**
- **Wireless control option available on all models.**
- **Winch upgrades available on selected models.**
- **Extension kits available on selected models.**

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25,000 kg to 65,000 kg

	25T	35T	45T	65T
Extractor				
Length	7,000 mm	8,000 mm	10,000 mm	10,000 mm
Width (without arch)	1,020 mm	1,020 mm	1,220 mm	1,440 mm
Maximum height	2,825 mm	2,215 mm	2,315 mm	3,315 mm
Weight (unloaded, without arch)	4,800 kg	5,400 kg	5,800 kg	5,800 kg
Weight (unloaded, with arch)	6,800 kg	7,400 kg	7,800 kg	7,800 kg
Tube Bundle				
Maximum length	6,500 mm	7,000 mm	9,500 mm	9,700 mm
Maximum weight	25,000 kg	35,000 kg	45,000 kg	65,000 kg
Maximum diameter	2,000 mm	2,000 mm	3,000 mm	3,000 mm
Winch pull force	62,000 kg	62,000 kg	62,000 kg	50,000 kg
Winch pulling speed	2,800 mm/min	2,800 mm/min	2,800 mm/min	2,800 mm/min
Engine - all models from 25T and above				
Type	Hatz mod. 2L41C			
Number of cylinders	2			
Cubic capacity	1,716			
RPM	3,000			
Horse power	33			
Cooling system	air			

- **Self-balancing option available on all models.**
- **Wireless control option available on all models.**
- **Winch upgrades available on selected models.**
- **Extension kits available on selected models.**

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65,000 kg to 100,000 kg

	75T	80T	100T
Extractor			
Length	11,000 mm	12,000 mm	12,000 mm
Width (without arch)	1,550 mm	1,440 mm	1,640 mm
Maximum height	2,350 mm	4,415 mm	3,615 mm
Weight (unloaded, without arch)	5,800 kg	9,800 kg	9,800 kg
Weight (unloaded, with arch)	7,800 kg	12,800 kg	11,700 kg
Tube Bundle			
Maximum length	10,012 mm	11,000 mm	11,700 mm
Maximum weight	75,000 kg	80,000 kg	100,000 kg
Maximum diameter	3,035 mm	3,200 mm	3,200 mm
Winch pull force	80,000 kg	80,000 kg	100,000 kg
Winch pulling speed	2,800 mm/min	2,800 mm/min	2,800 mm/min
Engine - all models from 25T and above			
Type	Hatz mod. 2L41C		
Number of cylinders	2		
Cubic capacity	1,716		
RPM	3,000		
Horse power	33		
Cooling system	air		

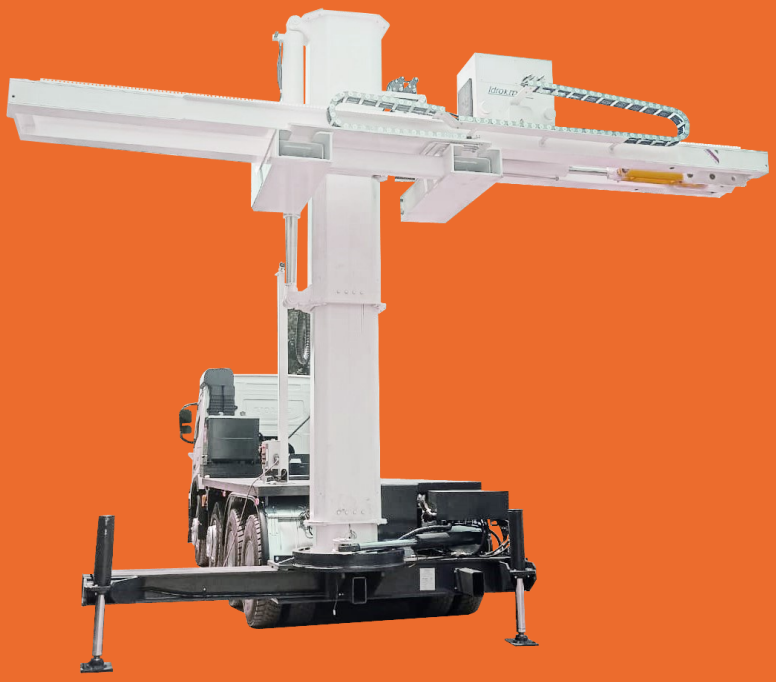
- **Self-balancing option available on all models.**
- **Wireless control option available on all models.**
- **Winch upgrades available on selected models.**
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Truck-mounted Bundle Puller



The truck-mounted bundle extractor is a self-contained, road-going unit. Once in situ, it allows you to extract the tube bundle without the need of other trucks or cranes.



Maximum working height	12,000 mm
Minimum working height	1,640 mm
Maximum bundle weight (at minimum height of extraction)	3,615 kg
Maximum bundle weight (at maximum height of extraction)	9,800 kg
Maximum winch pulling force	11,700 kg

Poly Arch 55T Lifting Device

The multi-functional, self-contained Poly Arch 55T is designed to be used as an integral part of your bundle extractors, as an arch, or when disconnected from bundle pullers to lift tubes bundles.

Four independent arms are able to work parallel or at 90° angle, with the changes made via the wireless controls.



Maximum capacity - diameter	2,500 mm
Maximum capacity - weight	55,000 kg
Machine Weight	4,800 kg

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Self-propelled Bundle Pullers

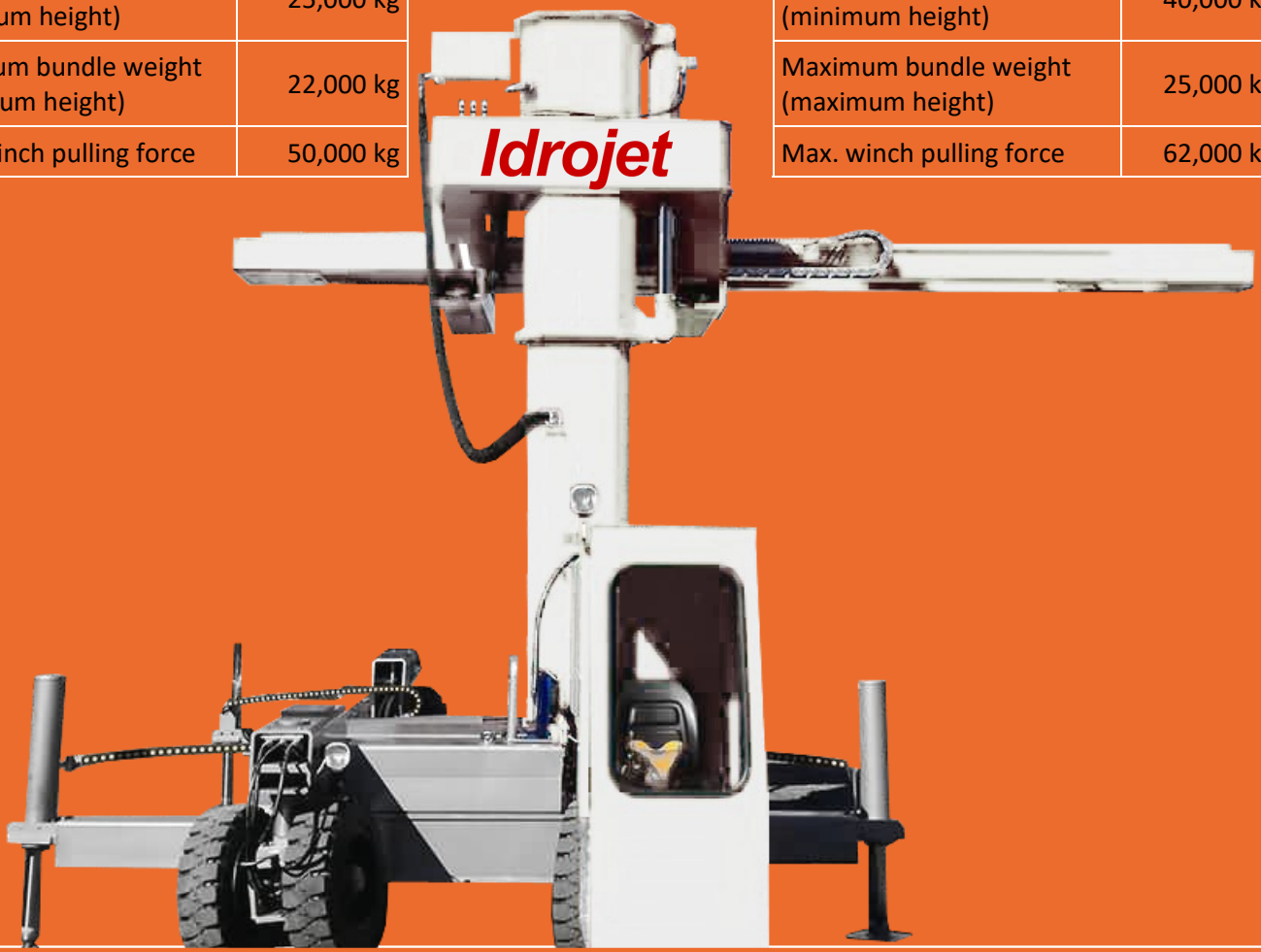
The self-propelled bundle extractor is used for the extraction of tube bundles without the aid of a crane as the extractor is mounted on a self-propelled chassis. There are two models, the Light for tube bundles up to 25,000 kg (at minimum height) and a larger version, the Heavy, with a maximum capacity of 40,000 kg (at minimum height). The unit features a hydraulic power pack and is remotely controlled using joysticks. All wheels turn up to 180° in both directions.

Light

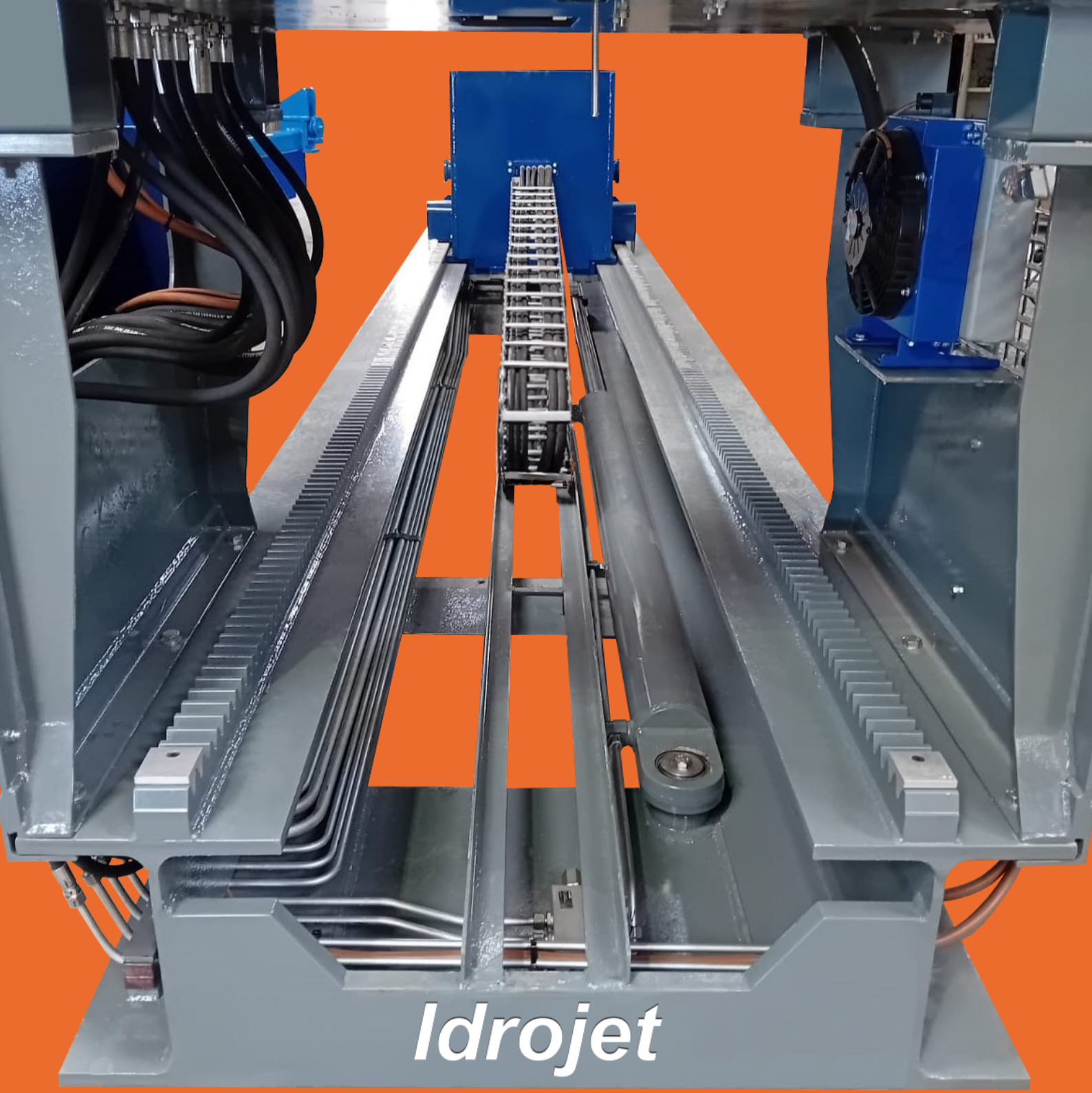
Maximum bundle height	6,600 mm
Maximum working height	6,000 mm
Minimum working height	610 mm
Maximum bundle diame-ter	2,000 mm
Maximum bundle weight (minimum height)	25,000 kg
Maximum bundle weight (maximum height)	22,000 kg
Max. winch pulling force	50,000 kg

Heavy

Maximum bundle height	8,000 mm
Maximum working height	7,000 mm
Minimum working height	610 mm
Maximum bundle diameter	2,000 mm
Maximum bundle weight (minimum height)	40,000 kg
Maximum bundle weight (maximum height)	25,000 kg
Max. winch pulling force	62,000 kg



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