Self propelled bundle extractors (on-shore)

Mef mobil

Self-positioning tube bundle puller, remote controlled for extraction, hoisting and movement of tube bundles

The **Met mobil** tube bundle puller, designed for cases of difficult access, is completely **self-sufficient**, as is presented as a global solution in petrochemical plants for the extraction of tube bundles.

The tested rapid quick-hooking system **Mef express** is used for the **extraction** and **insertion** of the bundle.

The **Mef mobil** puller operates autonomously without the assistance of a crane for positioning and hoisting or trucks for transport to the tube bundle maintenance area after extraction.

It is solid, robust and stable and autonomously raises to a height of **4,2 m** (166") enabling a rapid and precise approach to the heat exchanger.

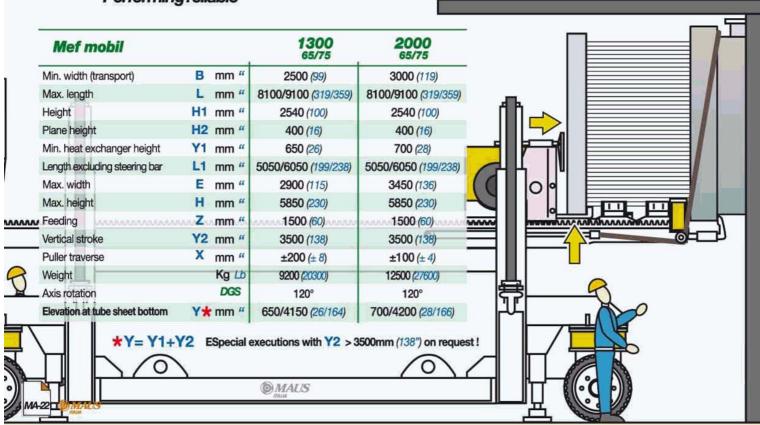
The use of the portable remote control (wireless also available), can control all the operations, leading to the inevitable reduction in personnel and increasing the final safety margins. The **Met mobil** puller is proposed in two sizes, differentiating in weight, length and diameter of the tube bundle to pull out. The operation of inserting the tube bundle after maintenance also becomes extremely rapid and precise thus guaranteeing reduction in plant stopping times.



Easy to operate

Performing reliable

Performing reliable



Motor group Hydraulic unit Electric system

Support hydraulic trolley and heat exchanger blocking system

Driving seat

Front view of the bundle extraction with bundle support trolley and hydraulic vice





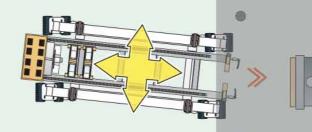




Bundle size		1300 65/75	2000 65/75
Length	mm "	6500/7500 (255/295)	6500/7500 (255/295)
Diameter D	mm "	1300 (52)	2000 (79)
Max lifting capacity	T <i>Lb</i>	15 (33000)	30 (66000)

Performances	1300 65/75	2000 65/75
Main carriage pulling/pushing KN Lb	30 (66100)	50 (110200)
Main carriage speed m/min ft/min	2 (6.6)	2 (6.6)









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Extraction sequence

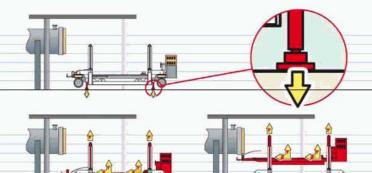
The main operations are shown below in sequence.



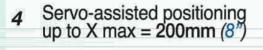
Approximate approach to about **0,5mt** (20")

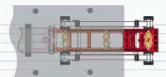


4 hydraulic feet to stabilize the puller

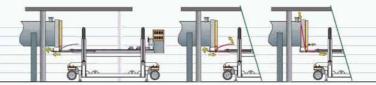


Servo-assisted positioning and hoisting upto Y max = 4200mm (165") Z max = 1500mm (59")

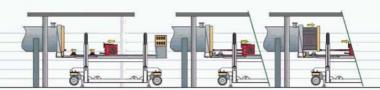


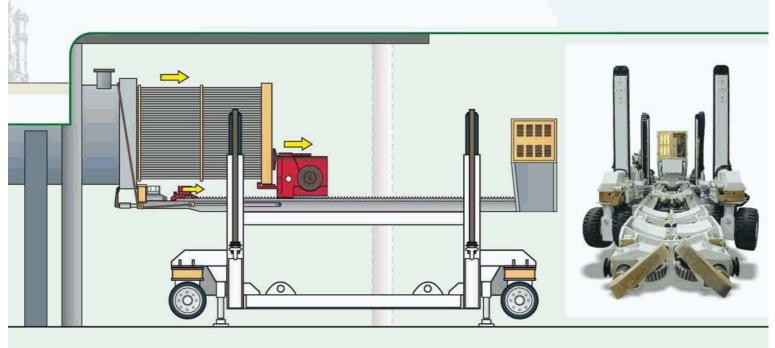


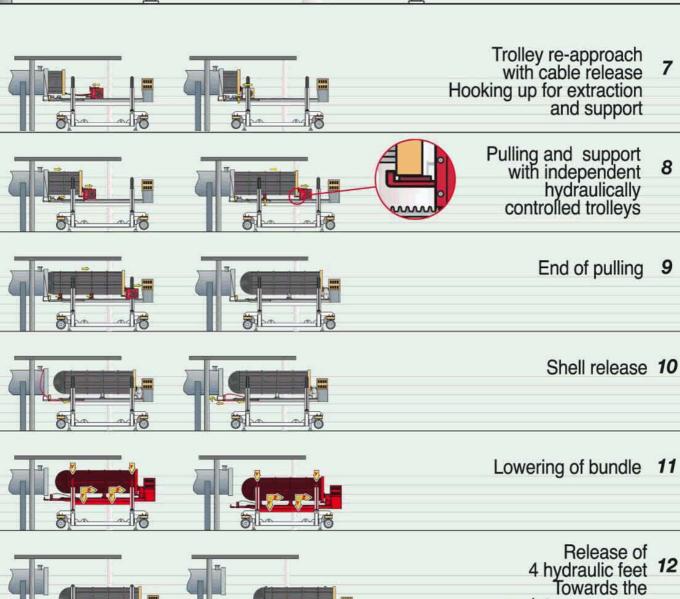
5 Shell blocking



Trolley feeding Fastening to eyebolts Pull with cable







maintenance area