

Aerial bundle extractors (off-shore)

Mef express NAVY

Quick hooking tube bundle puller



This special version of the **Mef express** unit has been produced to meet the need for extraction of tube bundles on petroleum platforms and installations at sea on large vessels known as FPSO. The machine consists of a **Mef express NAVY** operative part, produced for this purpose following the most rigid standards concerning shipbuilding. There are many similarities with the **Mef express ON SHORE** as a rapid extraction system, however it is equipped with a special device that blocks any oscillations of the bundle due to sea swell. It is very compact and light, suitable for handling in **small spaces**, powered by a mobile power unit called **Van Motor NAVY**. In view of the unusual nature of the off-shore application, the dimensional details of the **Mef express NAVY** are based on the design specifications of the installation provided by the final client or engineer in charge of the project in a spirit of the closest collaboration.



Motorization

Bundle extractors can be supplied with **Diesel engines** or **air motors**. Motors executions suitable for hazzardous classified working area are available on request (*complete with Atex conformity declaration*).

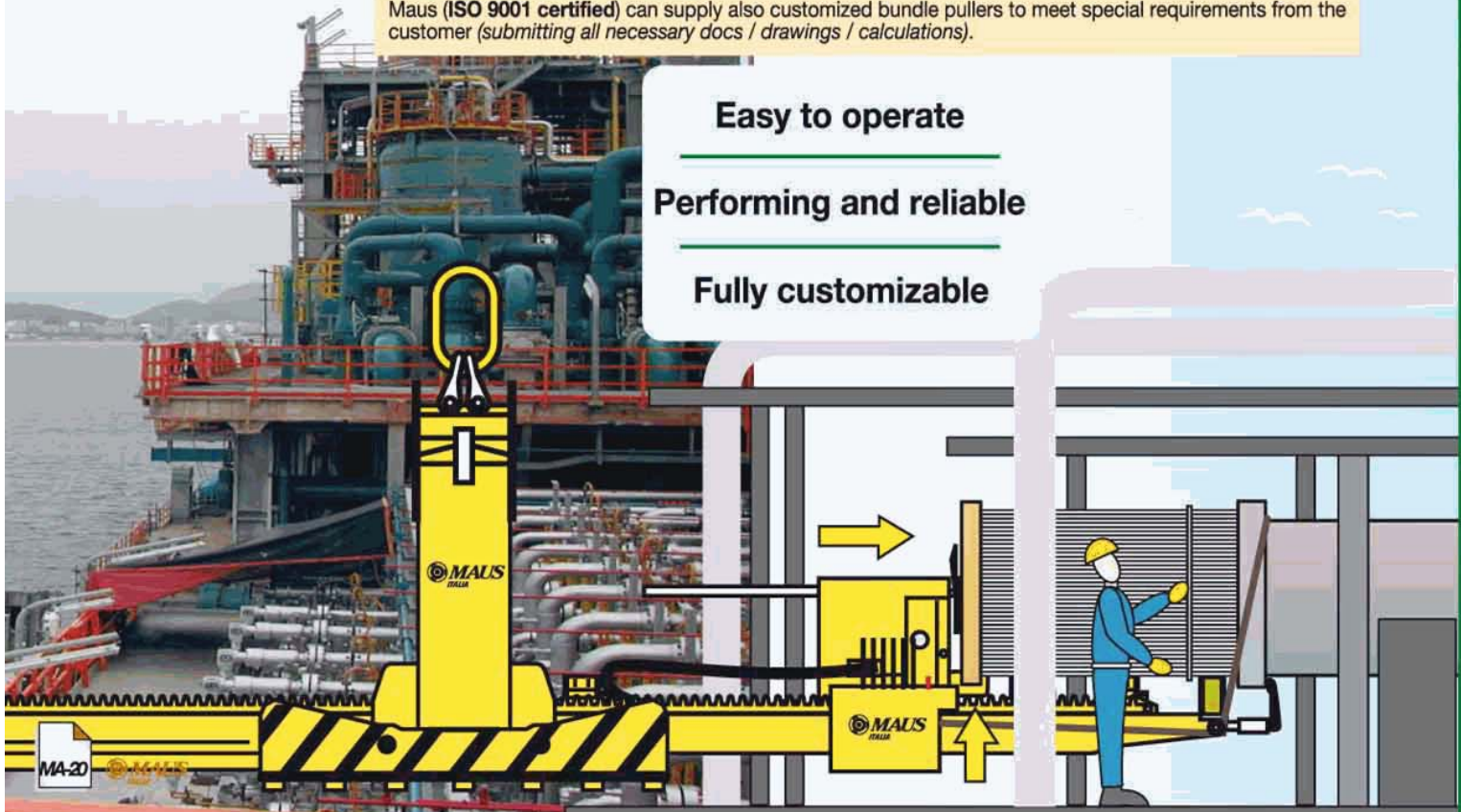
Customized executions

Maus (**ISO 9001 certified**) can supply also customized bundle pullers to meet special requirements from the customer (*submitting all necessary docs / drawings / calculations*).

Easy to operate

Performing and reliable

Fully customizable



Hydraulic commands



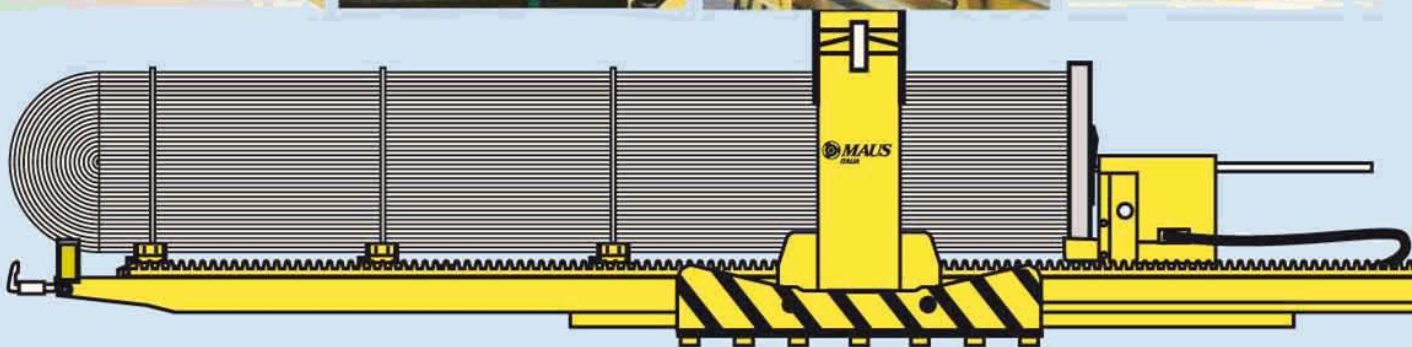
Main carriage with bundle blocking system



Circular rocker arm for lifting



Hydraulic vice



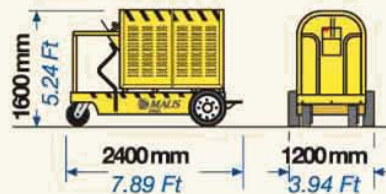
Van Motor NAVY

The separate drive unit complete with motor and hydraulic unit



Van Motor NAVY is a self-propelled trolley consisting of a hydraulic unit powered by a diesel motor converted into an **explosion proof version**. The hydraulic unit is connected to hydraulic hoses, wound on reels, which power the operative machinery.

With the **Van Motor NAVY** it is possible to operate both the **Mef express NAVY** and the **Mef mobil NAVY**. This system reduces the weights and dimensions of the operating machines making it possible to access points in the plant that would otherwise be inaccessible. These machines are designed to be able to work in force 10 sea conditions.



Sturdy

High safety

Complete **trasformation** of the Diesel I.C.E., electrical, starter, battery and relevant control panel (close to the motor) according to:

- ATEX 94/9/CE (DPR n.126 of 28.03.1998) relative to machines and equipments used in dangerous area ZONE 2 Cat. 3G IIB T3 200°C (392°F)
- EN1834-1 relative to the "Safety requirements" for designing and construction of I.C.E. to be used in atmosphere explosive.

Certification: **Explosion proof CE** declaration will be released according to the specification mentioned in the **ATEX 94/9/CE** for the 3G Category transformation.

Technical Specifications

- Trolley with two front driving wheels c/w self braking system and two rear self braking wheels.
- Footboard for driver
- Water cooled diesel motor model Lombardini LDW 2204, 35,5 Kw at 3000 rpm complete with spark arrestor
- Oil tank 200 Lt (53 US Gal) capacity
- Quick hydraulic connection
- Winding wheels for hydraulic hoses
- Electrical control panel for I.C.E control only for safe area operation
- Estimated weight: 750 Kg (1653 Lb)