



# **Diamond Petro Equipment**

**Hydraulic. Pneumatic. Industrial**





## About us:

### Implementing About us :

Diamond Petro is a combination of experience and knowledge from skilled engineers, which started its activity in 2018.

### Machine that Equipping by Diamond Petro Group

- 1-Internal Clamps Model IPLC-from size 10 till 56 inches
- 2-Different size of profile machines and tubes of different sizes
- 3-Bend machines-from sizes 6 till 56 inches
- 4-A variety of test pumps such as filling pumps and pressure pumps and pressure pumps
- 5-Types of welding frames

### Tools that Equipping by Diamond petro Group

- 1-A variety of bending sets for bend machines from sizes 6 to 60 inches
- 2-All kinds of External Clamps-from sizes 6 till 60 inches
- 3-All types of Pigs such as Brushing Pigs and Cleaning Pigs for hydrotesting
- 4-A variety of instruments and carry the pipe displacement- pipe Trailer
- 5-Various types of hydraulic powerpacks
- 6-Chassis related welding lines

### Repair and service provider

- 1-Repair and troubleshooting of hydraulic system
- 2-Repair of units of types sidebooms
- 3-Repair and maintenance of various types of pipe bending machine
- 4-Repair and maintenance of all types of internal Clamps

### Pipe Bending Machine

This bending machine capabilities of machines the size of 6 inches to 56 inches at the top and bottom of the thin thickness is (of course, the thickness of the tube determines the how to build a pipe bending machine chooses must at the time of the design of the device is the thickness of the pipes to be considered ).

Power transmission device via hydraulic jacks for accepts that with the selection of the appropriate lever and move the device by the user, necessary move.

This device dose not have the ability to move but you must by sidebooms or similar machinery over the transmission lines to be moved.

In the hydraulic system of the device is designed to Vinci constitutes the shift tube inside the device, in order to perform the process of pipe bending.

Diamond Petro group has been in compliance with technical effort and standard and experiences in the implementation of the lines of machine produce earns that much more efficient than the last generation of this type of machines.







- 1 -The chassis of this device and all its parts and stress test based on standard map are made
- 2- New generation of pump device is a kind of hydraulic pumps that they have hydraulic efficiency so it makes better performance
- 3- The engine of the new generation engines, considered that a smaller volume than the old engine have a much better performance
- 4- The new generation of hydraulic valves are intended so that lowest risk for the user, and finally the ease and functionality
- 5- Hydraulic jacks are made by standard components of the device that contains the chrome shaft, piston and standard cylinders
- 6- All technical codes and bend machines information will recoded in Our system for better Repair and maintenance
- 7- Hydraulic jack device based on the weight of device are usually considered famous companies like BERCO on the wheels manufacturer

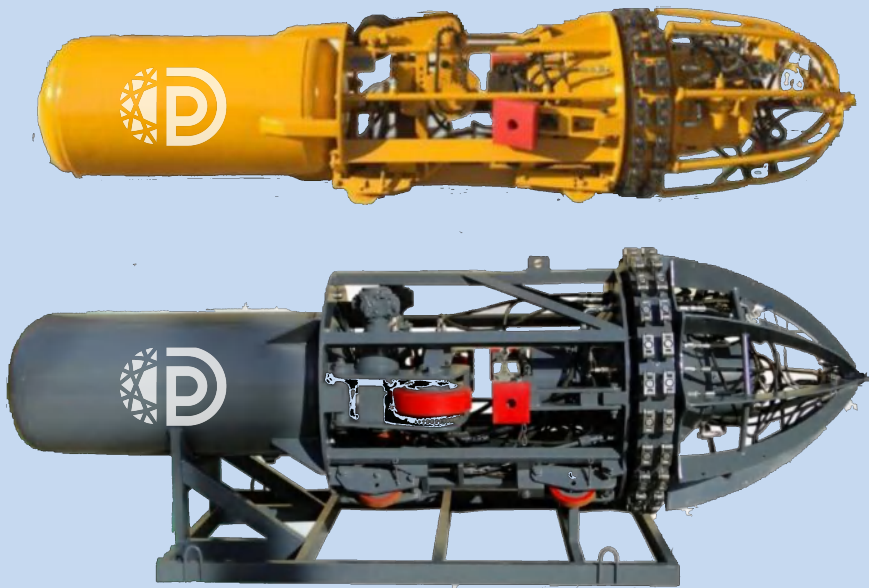
Diamond Petro workshop maintains that relying on engineering in the design rules and manufacturing lines, in the production of this products is very powerful



## **Bending Sets**

Pipe bending devices based on the size they are constructed along with certain frames, which are built into smaller size and based on the machine by these molds in a different number and sizes

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## pneumatic Internal Clamp

### Internal clamps

Internal Clamps are in the two types of hydraulic and pneumatic design. The application of the machine speed up and carefully transfer pipeline welding process. The force of this machine in pneumatic cars by compressed air with a pressure of approx. 10 to 14 with supplies

This device until 10 inch size doesnot have a movement motor and for Higher Sizes of 10 inches to the top designed a wind motorthatcall it air motor

Used this machine for removing the oval mode pipes and Connect the two ends of the pipe for better connection in welding.

This product has highest record ever sold in the world in order to improve the speed and accuracy of welding



### External Clamps

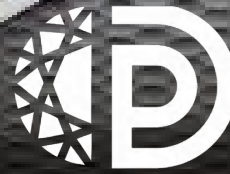
This tool in the welding operation of pipelines being used and its application in matches to head of two pipe for welding





### Roller Cradle

This tool almost used when operation of the tubing in the channel to avoid the damaged insulation for pipes and share equal weight as a force on the surface of tube is used. In fact of the components sidebooms when tubing in the channel are considered.



### Auger Boring Machine

In determining, Auger boring is the best suited trenchless method, there is evaluation of parameters such as type of installation required in terms of pipe type and grade, right of way restrictions, and expected length. ground condition,

Horizontal uger boring, also refferd to jack-and-bore system wich is typically used in soft soils in stable conditions, such as clays or with a small amount of loose

Cobblestones.

The boring is made with a rotating head with chisell-like cutting edges. This spinning cutter head works its ways into the ground as the jacking force is provided by hydraulic Push cylinders located in the intry pit between the equipment, reuls and push adapter for pipeline.





# Induction Heating Equipment

## Automation and Process Control

Induction heating technologies are frequently used as part of the field joint coating process to raise the temperature of the pipeline surface for coating application. As part of its commitment to advanced process technologies and high-quality field joint coating solutions, Petro Diamond maintains a comprehensive fleet of specialized induction heating generators and coils in strategic locations in the Americas, Europe, Middle East and Far East, to service both short and long term project rental needs.



Oil & Gas



Onshore Pipelines



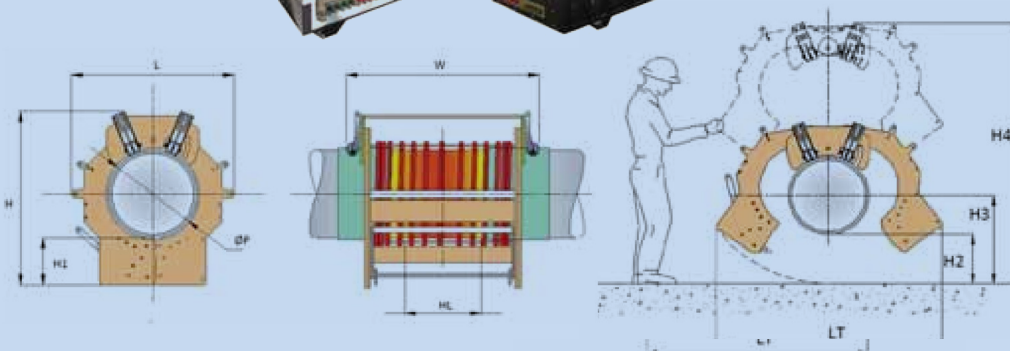
Offshore, Reel, J & S Lay



High Temperature



Factory Grade



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