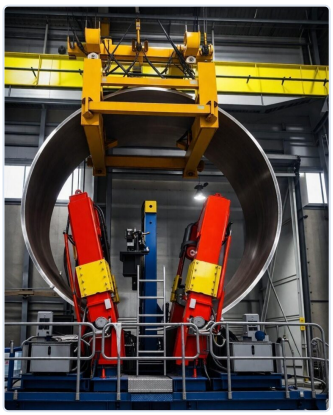
TURNING GEARS - POSITIONERS - WELDING DERICKS & -PINCHTABLES

Engicon Welding derrick

Brand: Engicon · Type: Welding derrick




TECHNICAL SPECIFICATIONS

Specifications on request.

DESCRIPTION

CLAMPING BANK

"*Even a poorly rolled sheet can be straightened out with this.*"

Steel rings are rolled on the rolling machine. The shape has been rolled, but the bottom seam has not yet been welded. The rings are cylinders or cones with a slight slope. The steel rolls are fed to the clamping bench using a double C-hook.

As preparation, the columns are set at an angle, with the clamping cylinders at the top. The mobile head moves sufficiently far outwards. The ring is inserted between the columns and positioned above the pressure points of the fixed head. Then, the mobile head moves back closed so that the ring is positioned above the pressure points of the mobile head. The ring is placed on the pressure points; the clamping cylinders move down but do not yet apply pressure. The double C-hook is removed and can be used for the next cycle.

The four sliding cylinders slide the ring to the best position. Then, the four loose corners are clamped with the clamping cylinders and brought

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together with the locking cylinders.
Opening the columns: the basic principle is a center position of the range, taking into account the visible opening of the roll. If there is a large opening (1st figure), open the columns further. If there is a lot of overlap (2nd figure), place the columns vertically.

Afterwards, the clamping bench waits while the welding crane welds the closing seam. Preheating may be required first.
Once the welding crane is back in its starting position, and the masking powder has been cleared and the weld cleaned up, the double C-hook is repositioned into the ring. The clamping cylinders are retracted so that the ring can be picked up by the C-hook. Then, the mobile head is moved out, and the C-hook can transport the ring to the next workstation.

Starting up and resetting the entire machine or individual hydraulic groups is done from the main control panel, which is mounted on the wall behind the fixed head.
The clamping bench is operated from TWO control stations, one on the mobile head and one on the fixed head. Each control station has TWO control consoles, intended to extend or retract the three cylinders from the column to which the control console is attached. One control console on the mobile head has been extended with control levers for the brake caliper and the drive motor.
Each control console and the main cabinet are equipped with an emergency stop.

Max working dia or ring: 7000 mm
Min/max length of ring: 1500 > 4000 mm
Max thickness of ring: 100 mm
Max weight of ring: 40 tons
7.85 kg/m³

Max clamping force with 4 cylinders: 400 tons

PRICE
Price on request

Request a quote

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