

Nisku Based Perforating Line Specifications

1. Perforation Drilling Equipment



The Perforation Drilling Equipment is specifically designed for casing base pipe perforation and is fully automated for ease of use. This unit can drill up to 72 holes at one time. This machine has a base pipe moving, rotating, clamping, positioning, scrap chip removal, deburring, cooling, and other functions. ANDMIR's equipment is controlled by user friendly touch screen PLC. The user interface allows operators to manipulate the pipe and drill settings via the servo motor, inverter, multiple electric motors, and other components working in concert to achieve the perforating of oilfield base pipe.



2. Equipment Specifications

- a) Maximum drilling diameter: $\phi 20$
- b) Drilling depth: $< 30\text{mm}$
- c) Drill spindle center distance: 152.4mm
- d) Drill shaft spindle taper: Mohs 2 #
- e) Spindle maximum speed: 790 RPM
- f) Drill Spindle Cylinder Max Stroke (Snap + Feed): 150mm
- g) Axial displacement stroke of the base pipe: 0-200mm
- h) Base pipe rotation angle: 0-360°
- i) Base pipe diameter: $\phi 114$ - $\phi 245\text{mm}$
- j) Base pipe length: 10000-14000mm (set according to the actual length of the pipe)
- k) Equipment dimensions: 25000*1350*2750mm (L*W*H)
- l) Equipment weight: 23600kg
- m) Capacity: According to 7-inch casing 430 holes per meter calculation, per hour can be processed one joint of the pipe casing.

