



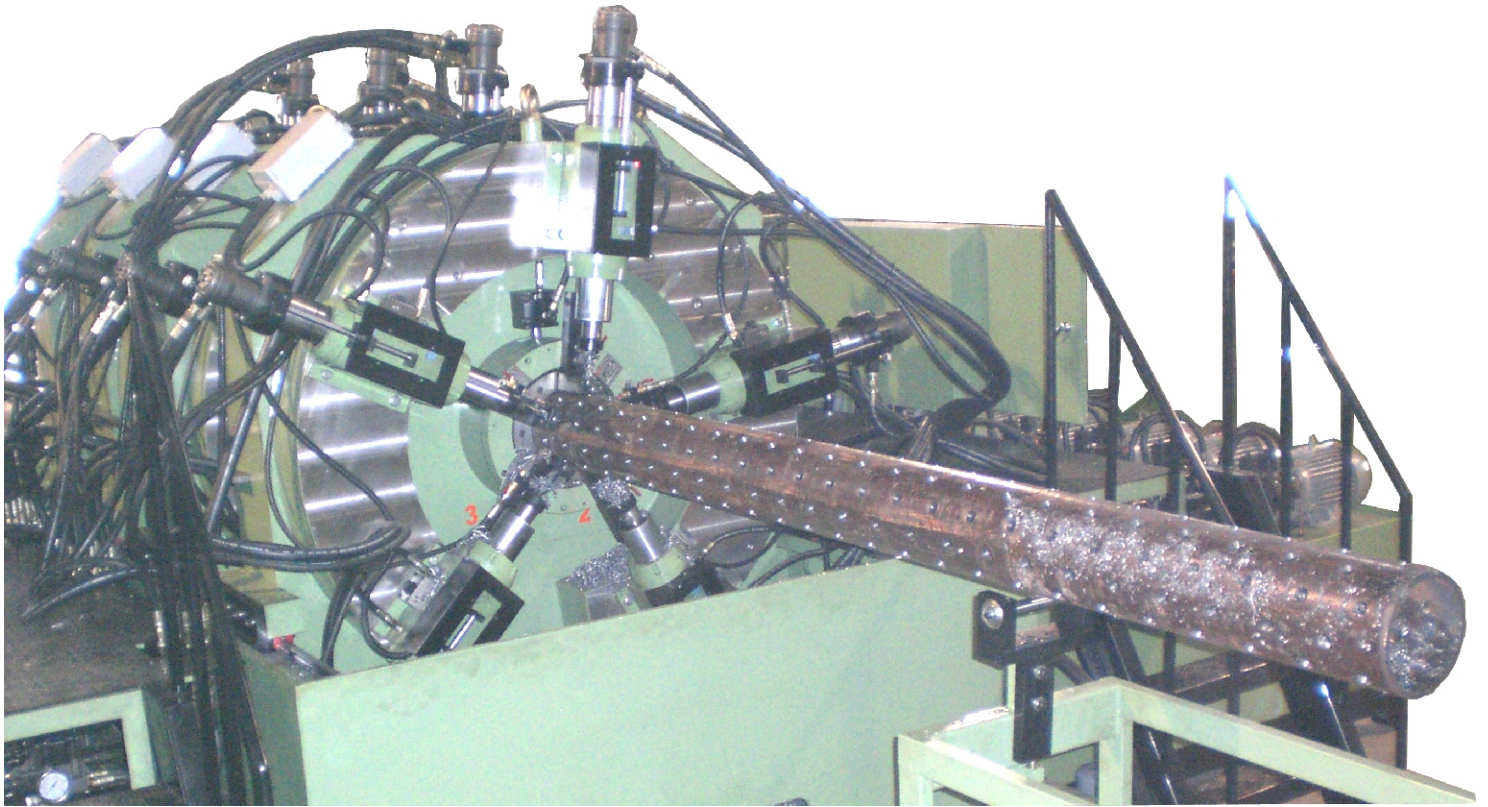
Specifications:

- 1) Main Drilling Machine: With 16 sets Drilling Spindle (DUAL SIDES: LEFT *8 and RIGHT*8).
- 2) Rotation the pipe by SERVO MOTOR.
- 3) The Pipe is moved by SERVO MOTOR in the forward direction and backward direction.
- 4) Automatic Tube Feeding Function with Clamping Chuck by NC Control .
- 5) Automatic PLC Electrical Control Box with TFT HMI.
- 6) Hydraulic System .
- 7) Suitable tube diameter is 10 inch and thickness is 20 mm.
- 8) Application : Oilfield Services Industry .

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20 Spindles Multi-Axis Pipe / Drum Drilling Machines (X-Type)



Model No.: CFPDM-12000-20S

Features:

- 1) There are 4 set Drilling Bases in this machine. 5 Drilling Spindles on 1 Drilling Base. So total 20 sets Drilling Spindles in the same machine.
- 2) Rotation the pipe by SERVO MOTOR.
- 3) The Pipe is moved by SERVO MOTOR in the forward direction and backward direction.
- 4) Automatic Feeding Device with Clamping Chuck.
- 5) Automatic PLC Electrical Control Box with TFT HMI.

Specifications:

- 1) PIPE DIA.: 2-7/8"~7"
- 2) HOLE DIA. THICKNESS: 3/8"~1-1/8"
- 3) PIPE THICKNESS: 3/8"~1/2"
- 4) PIPE LENGTH: 12.2 meter

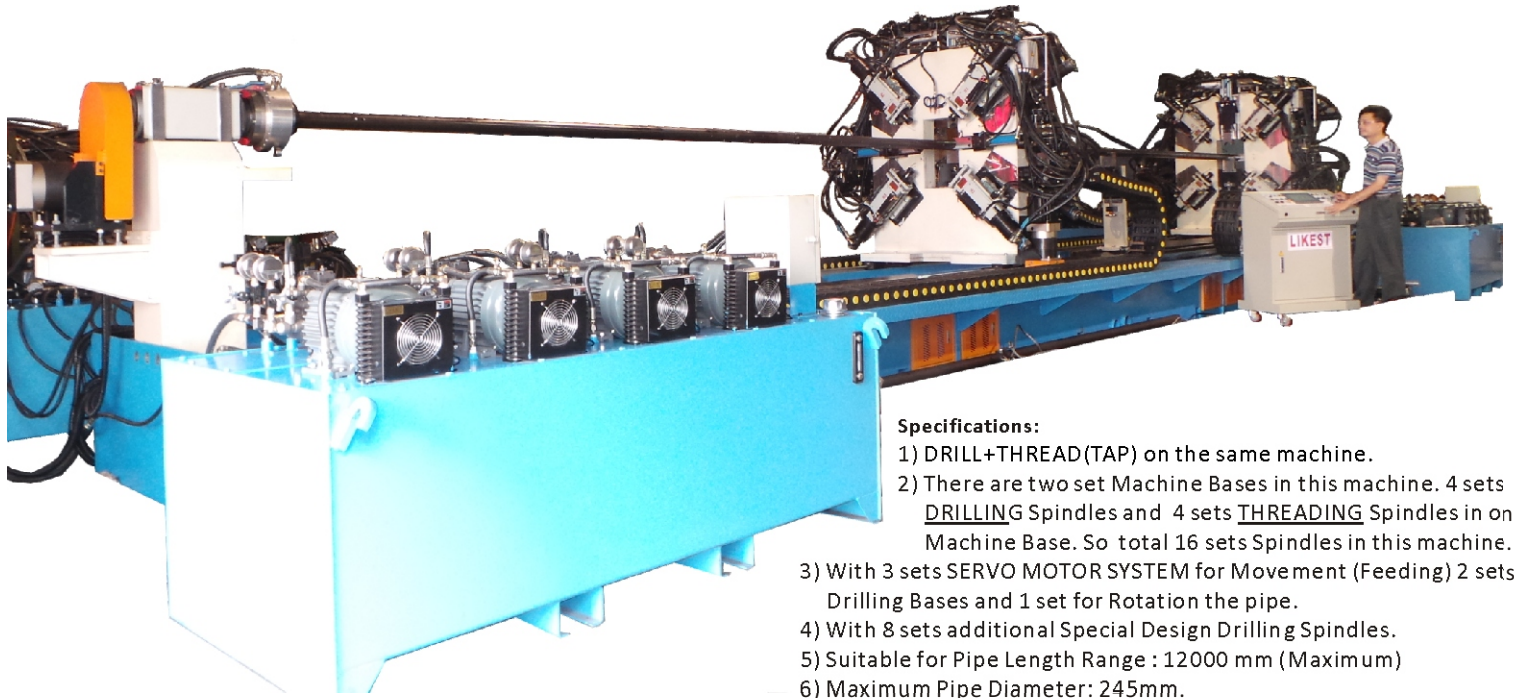
Application : Oilfield Services Industry.



With Walking Board Platform for Maintenance and Oil Tank



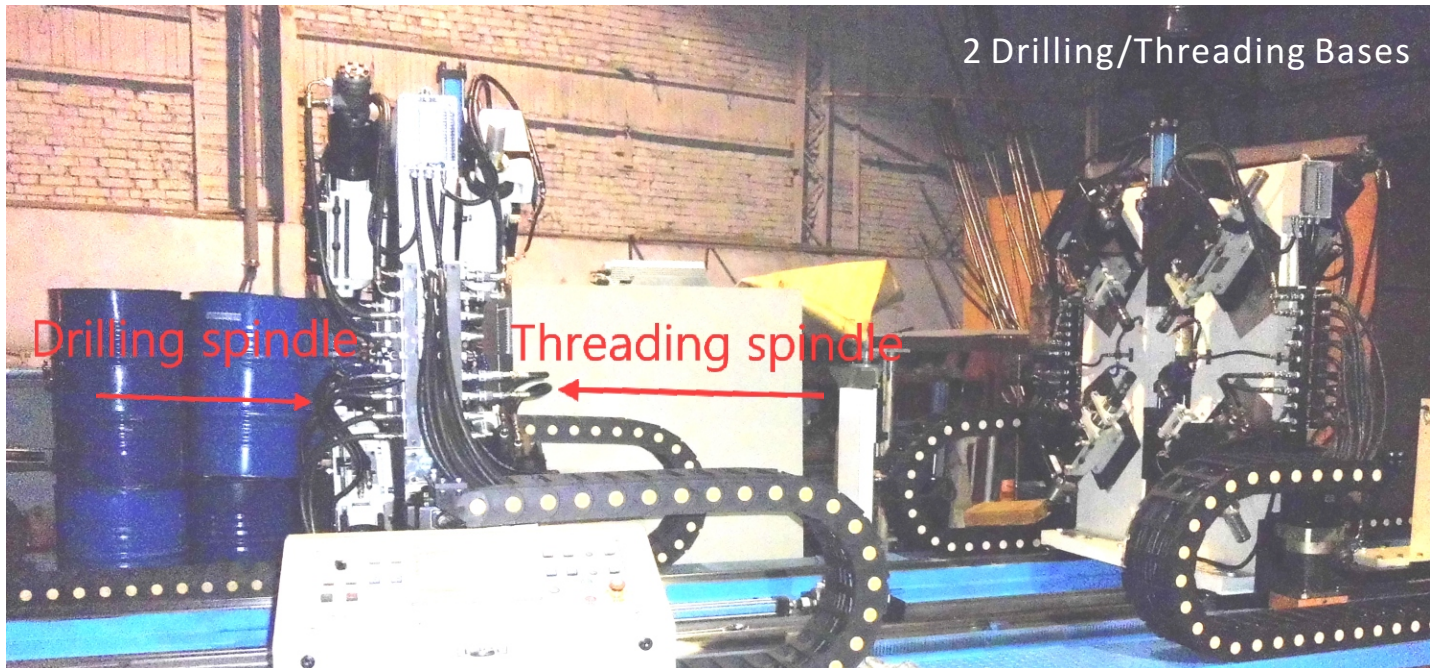
16 Spindles Double Drilling Systems(Dual Column) Pipe DRILLING & THREADING Machine



Specifications:

- 1) DRILL+THREAD(TAP) on the same machine.
- 2) There are two set Machine Bases in this machine. 4 sets DRILLING Spindles and 4 sets THREADING Spindles in one Machine Base. So total 16 sets Spindles in this machine.
- 3) With 3 sets SERVO MOTOR SYSTEM for Movement (Feeding) 2 sets Drilling Bases and 1 set for Rotation the pipe.
- 4) With 8 sets additional Special Design Drilling Spindles.
- 5) Suitable for Pipe Length Range : 12000 mm (Maximum)
- 6) Maximum Pipe Diameter: 245mm.
- 7) Hole pitch is regular and irregular.
- 8) Pipe thickness: 5mm to 13mm.
- 9) Diameter of holes in the pipe: 8mm to 20mm.
- 10) Diameter of threading holes: M8 to M20.
- 11) Distance from beginning of the pipe to first/last hole: 150mm(Min).

Model No.: CF-12000T-A-254-16-DV8



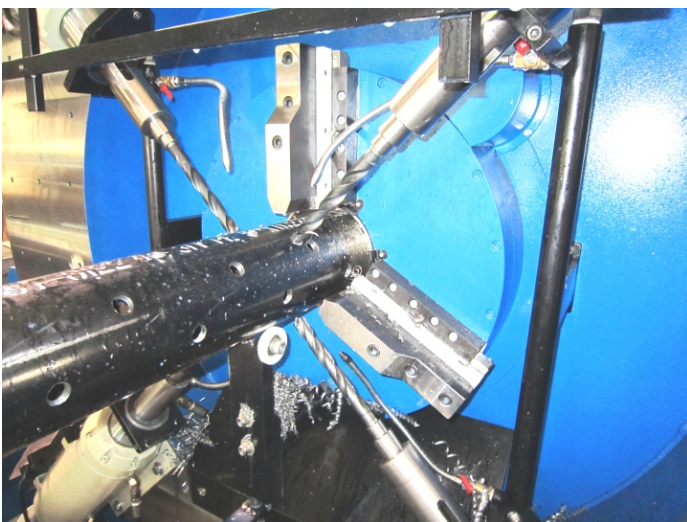
4 Spindles Multi-Axis RECIPROCATING Type Pipe Drum Drilling Machine (X-Type)



Model No.: CFPDM-30-5.6-4iSHT

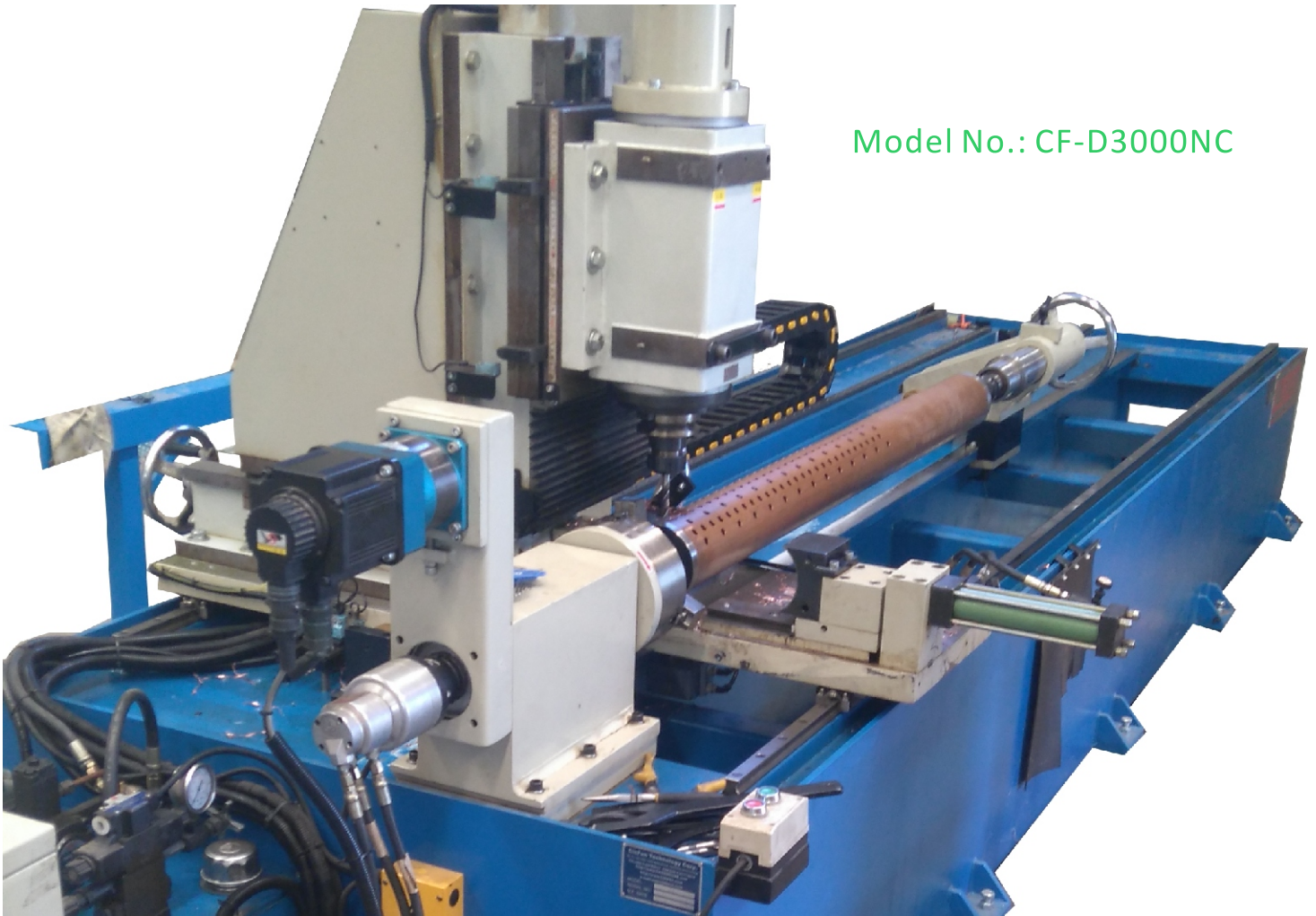
Specifications:

- 1) 4 sets Drilling Spindles are installed on 1 Machine Base.
- 2) Automatic Tube Feeding RECIPROCATING Motion Function by NC Control.
- 3) Feeding and Rotation the pipe by the SERVO MOTOR.
- 4) Automatic PLC Electrical Control Box with TFT HMI.
- 5) Drilling Spindle Rotation Speed Range: About 162~338 RPM (250 RPM +/- 35 %).
- 6) Drilling Hole diameter: 4/8 inch and 6/8 inch max
- 7) Drilling Motion types (DISTANCE ADJUSTMENT): Holes will be in both equal and unequal intervals and it will be in longitudinal and circular (360 deg.)
 - Single Drilling Operation
 - Irregular Interval Drilling (You can set irregular Center to Center distance between holes)
 - Regular Interval Drilling. (You can set regular Center to Center distance between holes)



Single Spindle Header Pipe Drilling and Milling Machine

Model No.: CF-D3000NC



Feature:

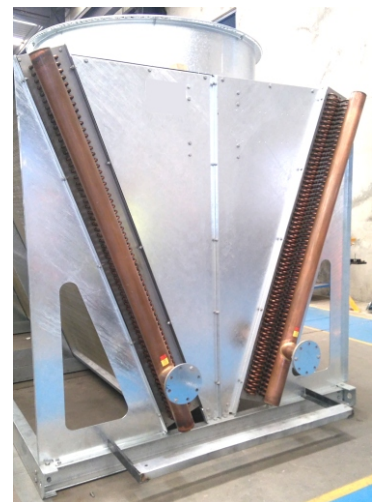
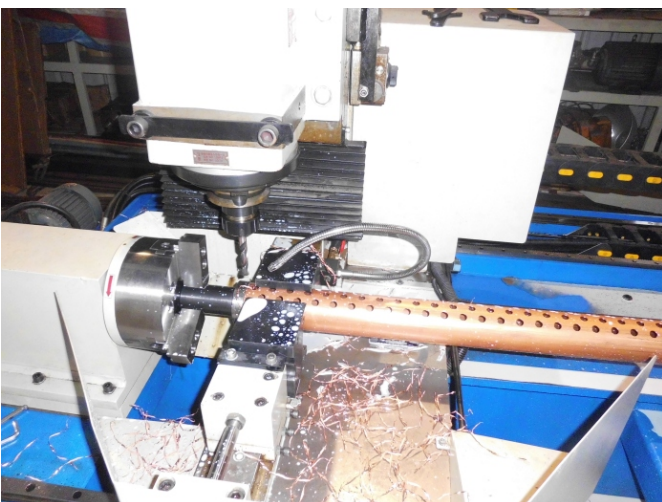
- 1) Automatic drilling operation allows for equal or unequal hole distance.
- 2) Three kinds Controller for choice: CNC/NC/PLC control. It can drill any angle on the tube.

Specifications:

- 1) Machine type :Vertical Type or Horizontal Type
- 2) Max. Tube Length: 3000mm or more
- 3) Max. Tube Dia.: 150mm or more
- 4) Max. Tube Thickness.: 10mm
- 5) Spindle Type: BT50-ER40 => Hole Diameter: 4~26mm
- 6) Servo Motor Control System for X-Axis and Rotation-Axis

Application:

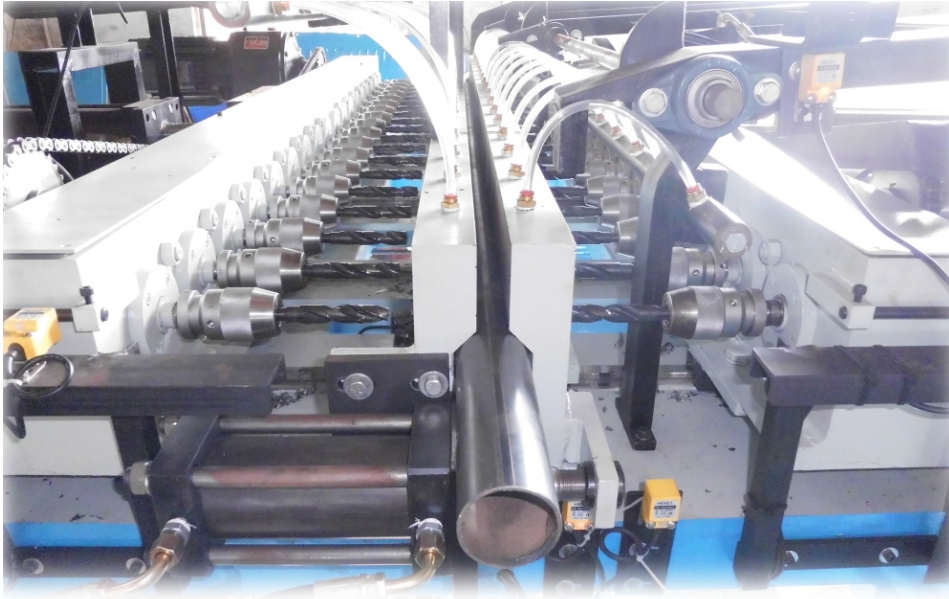
It is used to drill tube holes on header tube for BOILER INDUSTRY and HEATING EXCHANGER INDUSTRY.



Scaffolding / Fencing Tube Drilling Machine (Horizontal Type)

36 Heads Tube Drilling Machine (Horizontal Type)

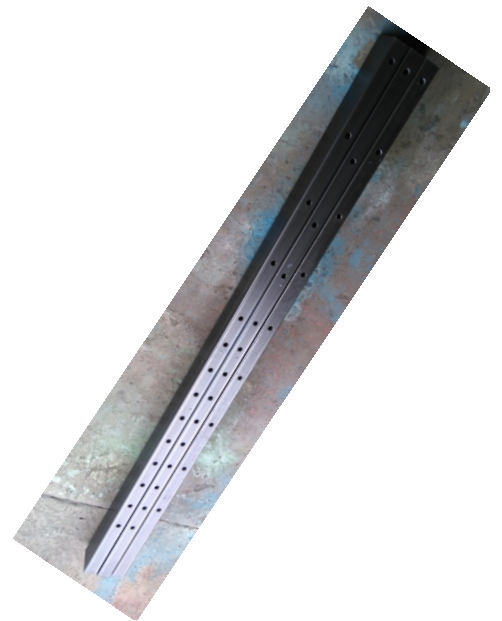
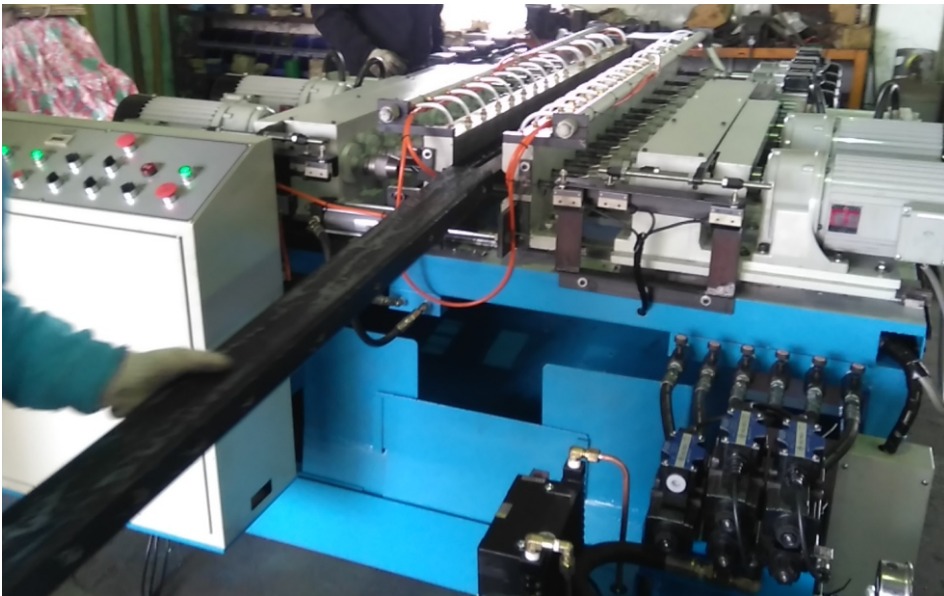
Model No.: CF-3000D36A



Specifications:

- 1) Maximum Pipe Length: 3000 mm
- 2) Pipe Diameter: 48.3mm
- 3) Hole pitch is fixed spaces :125mm
- 4) Pipe thickness: 4~5mm
- 5) Hole Diameter on the pipe:18mm
- 6) With 18 drilling heads on left side and 18 drilling heads on right side.
- 7) Automatic Loading and Unloading the pipe. .
- 8) The clamping is automatic: the working circle start with one button, loading and unloading automatically.

28 Spindles Rectangle Tube / Round Tube Drilling Machine (Horizontal Type) Model No.: CF-3000D28H



Specifications:

- 1) With 14 Drilling Spindles on Left side and 14 Drilling Spindles on Right side.
- 2) 4 set Drilling Spindles can be adjusted the pitch (175~250mm) by manual, the remain 10 set Drilling Spindles can not adjust the pitch(FIXED PITCH:100mm)
- 3) Suitable Pipe Diameter: 1 1/2 inches to 6 inches.
- 4) You can have adaptability to change the number of holes (by removing the drilling bit) and diameter of holes (by changing the different diameter drilling bit) when you require by manual.
- 5) Pipe thickness: 2mm to 10 mm mild steel
- 6) The Maximum Diameter of holes in the pipe: 18mm
- 7) Loading and Unloading the Pipe: Manual
- 8) The clamping is automatic: the working circle start with one button, loading and unloading manually.

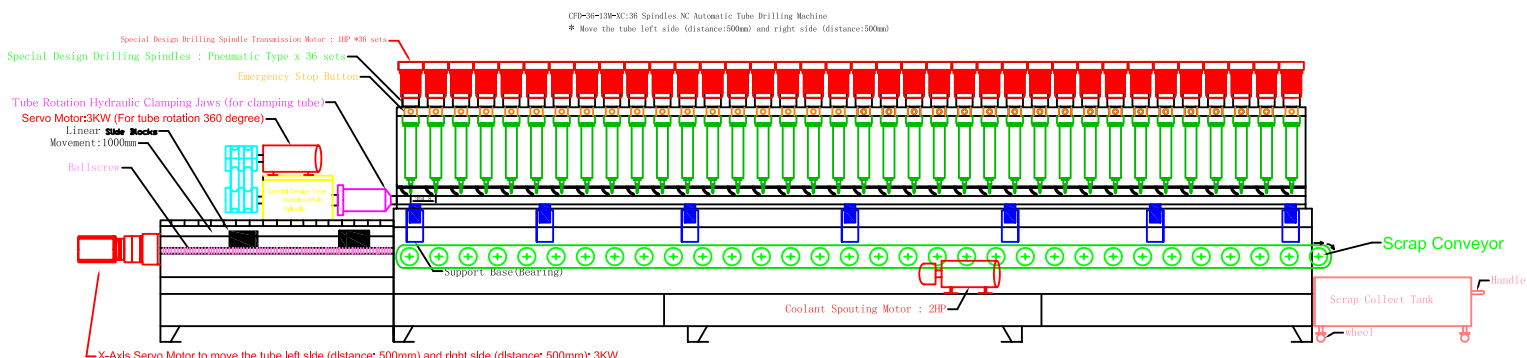
10 Spindles Pipe Drilling Machine(Horizontal Type,SINGLE SIDE)



Model No.: CFPDM-40-7-10S

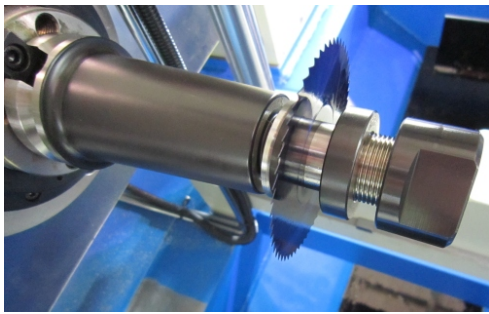
Features:

- 1) Suitable Pipe diameter: 60-250mm
- 2) Suitable Pipe length:5400-12200mm(40')
- 3) Suitable Pipe thickness: 4.0-12.0mm
- 4) Suitable drilling hole diameter: 9-13mm
- 5) Single Side Drilling Type Design.
- 6) Horizontal Type Machine Body .
- 7) 10 or 20 or 24 or 36 or 40 sets Drilling Spindles (BT 40 Type) in one side.
- 8) This machine can drill all holes in one tube at a time.
- 9) Fixed Pitch between each Drilling Spindles: 1 feet (12inch= 304.8mm or 8inch=203.2mm), each pitch can not adjustable.
- 10) SERVO MOTOR Rotation Unit with the Manual Type Clamping Chuck (Lathe Type): only for feeding one way direction: from Left to Right).

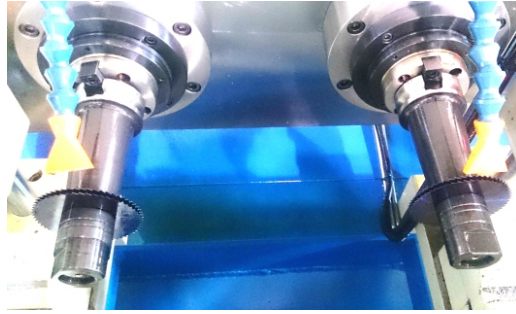


36 Spindles Pipe Drilling Machine (Vertical Type, SINGLE SIDE)

NC Pipe Slotting Machine Model No.: CFPSM-40-7-10S



1 slotting tool

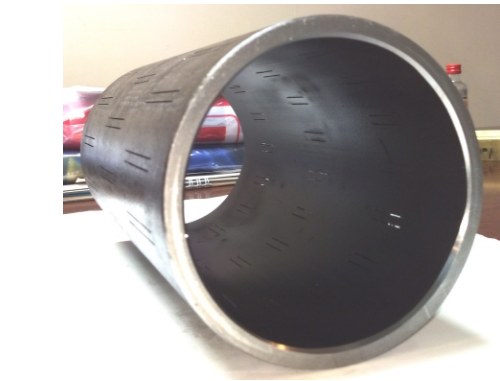
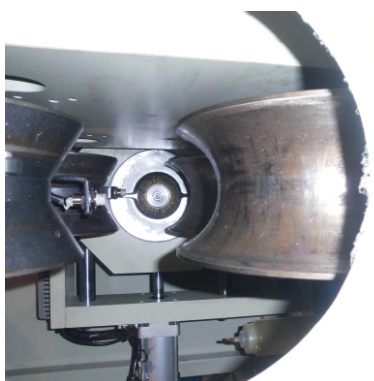
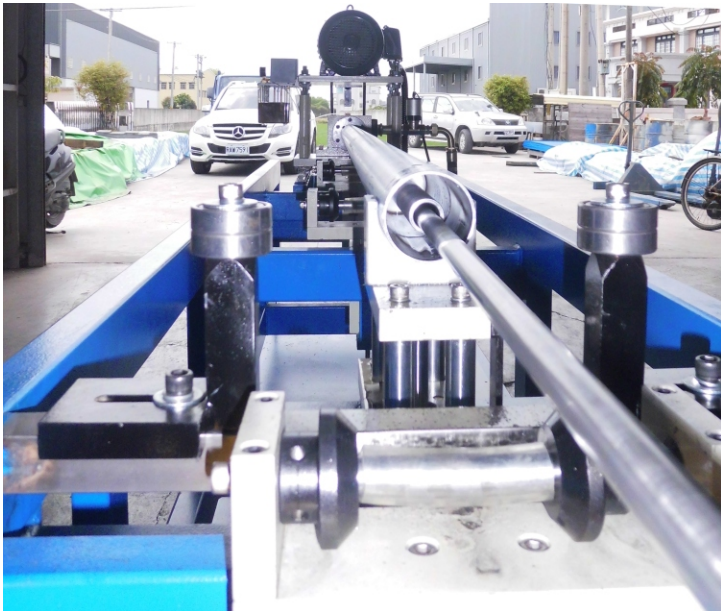


2 slotting tools



4 slotting tools

NC Pipe Deburring Machine Model No.: CFPBM-40-7



Automatic Pipe Handling System



Model No.: CFPH-40-7

Feature:

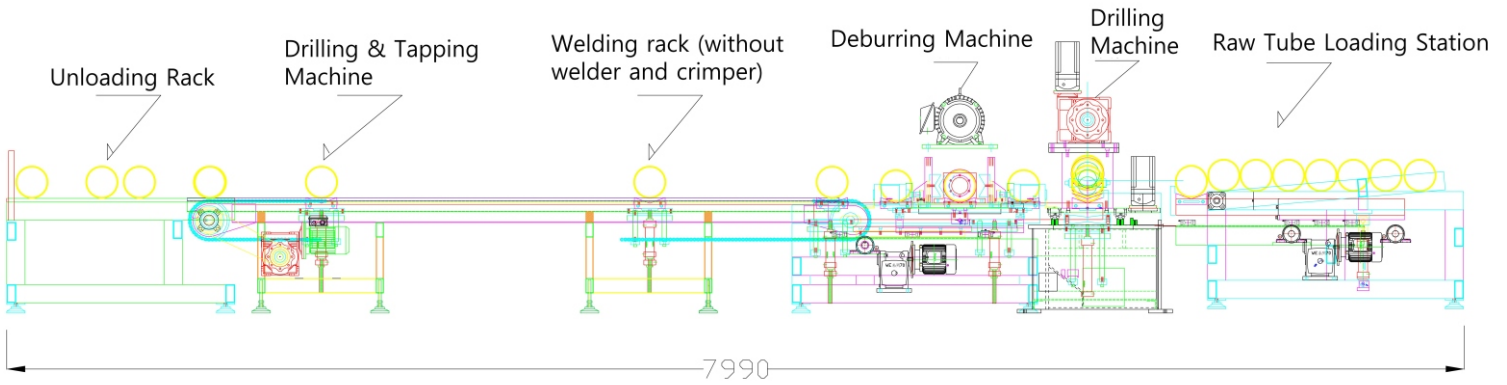
- 1) Tube Storage Quantity on the Loading Table: 8pcs tubes or more.
- 2) Full Automatic Loading and Unloading System.
- 3) All the machines can be equipped with automatic system for loading and unloading.
- 4) Coupled with Tube Punching Machine or Tube Drilling Machine, it is the ultimate solution for joining multiple machining processes in one system for maximum flexibility, automation & performance.

Specifications:

- 1) Power: Pneumatic (6 bars):
- 2) Number of Tubes: 10~200 Tubes.
- 3) Max Tube OD: 178 mm / 7 inch (for big pipe).
- 4) Min Tube OD: 25 mm / 1 inch (for small tube).
- 5) Max Tube Length: 12000 mm.
- 6) Max Material Capacity: 40 pieces (at OD 70 mm) ~ 10 pieces (at OD 178 mm).
- 7) Loading Time: 3~4 seconds (for small tube) 10~30 seconds (for big pipe).
- 8) Unloading Time: 3~4 seconds (for small tube) 10~30 seconds (for big pipe).
- 9) Full Cycle Time (for punching small tube of 1 inch): 7 seconds (from unloading one tube to finish loading the next tube).
- 10) Full Cycle Time (for drilling 1000 holes of big pipe of 7 inch): about 25 minutes (from unloading one tube to finish loading the next tube).

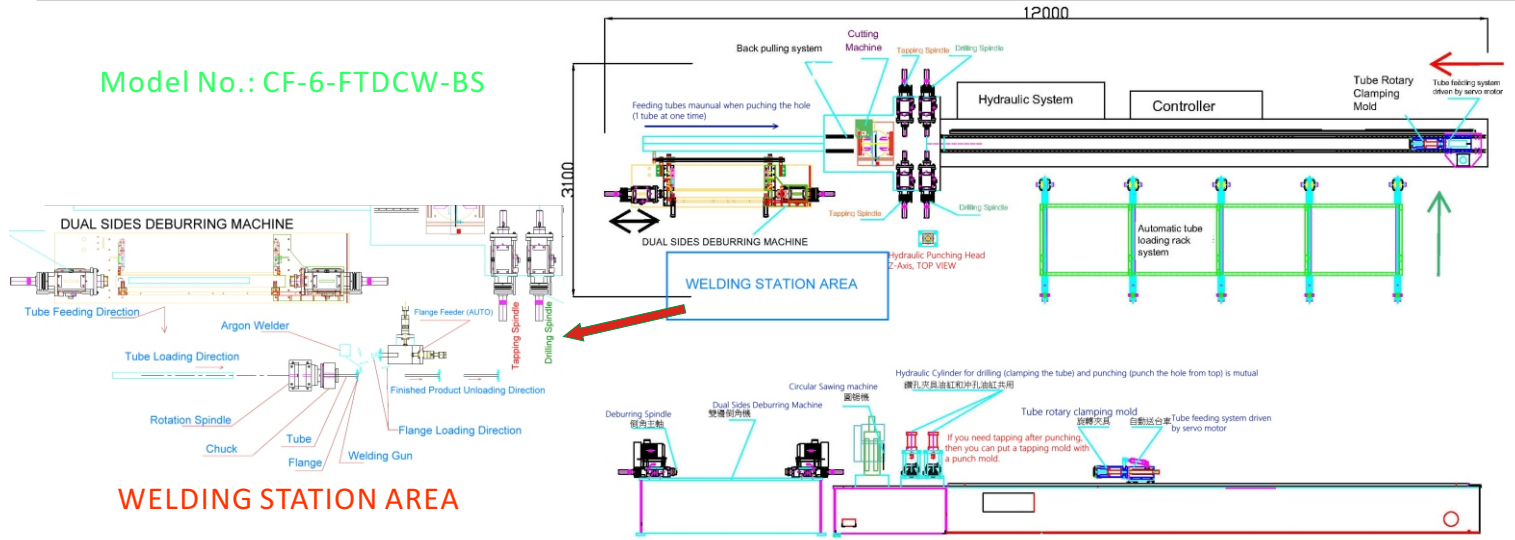


24/36-Spindles Pipe Drilling & Deburring (2 in 1:COMPACT TYPE) Machine



Automatic Production for Tube Drilling+Flowdrill+Punching+Tapping+Cutting+Deburring+Welding

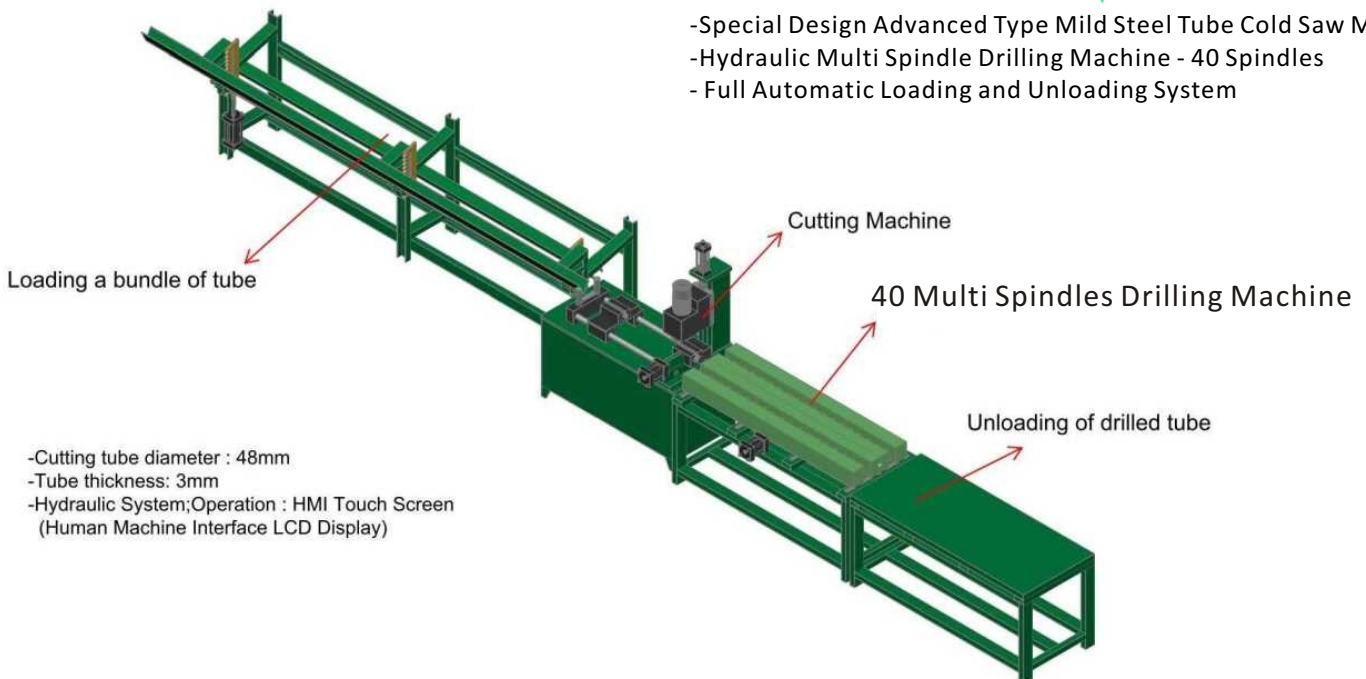
Model No.: CF-6-FTDCW-BS



Automatic Pipe Cutting and Multi Spindles Drilling Machine

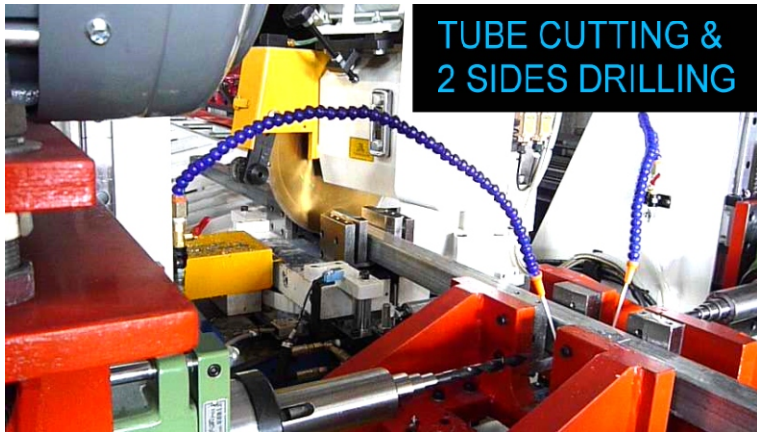
Model No.: CF-4000-5A120Y / CF-3000D40

- Special Design Advanced Type Mild Steel Tube Cold Saw Machine
- Hydraulic Multi Spindle Drilling Machine - 40 Spindles
- Full Automatic Loading and Unloading System

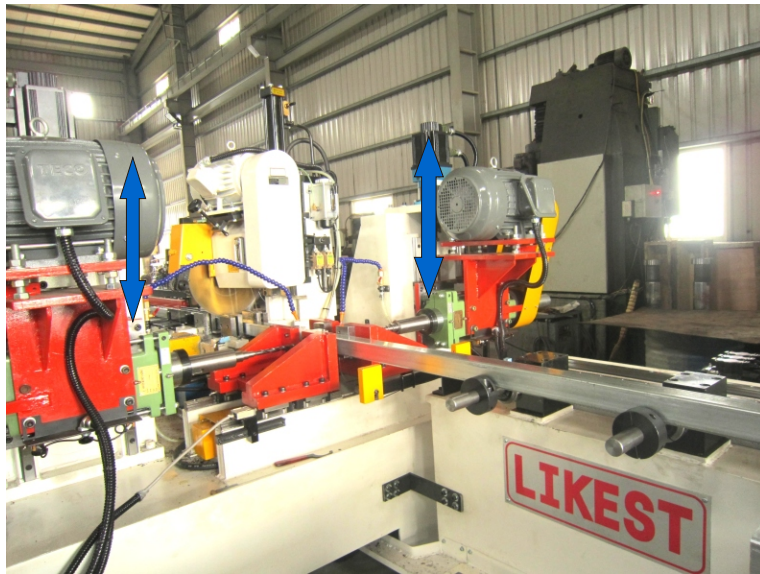


- Cutting tube diameter : 48mm
- Tube thickness: 3mm
- Hydraulic System; Operation : HMI Touch Screen (Human Machine Interface LCD Display)

Multi Spindles NC Drilling Machine with Cold Saw Cutter (with Auto Loading & Unloading System)



2 Drilling Spindles



Left/Right Spindle moves UP-DOWN on the Z axis to drill the holes which are not at center of the tube.

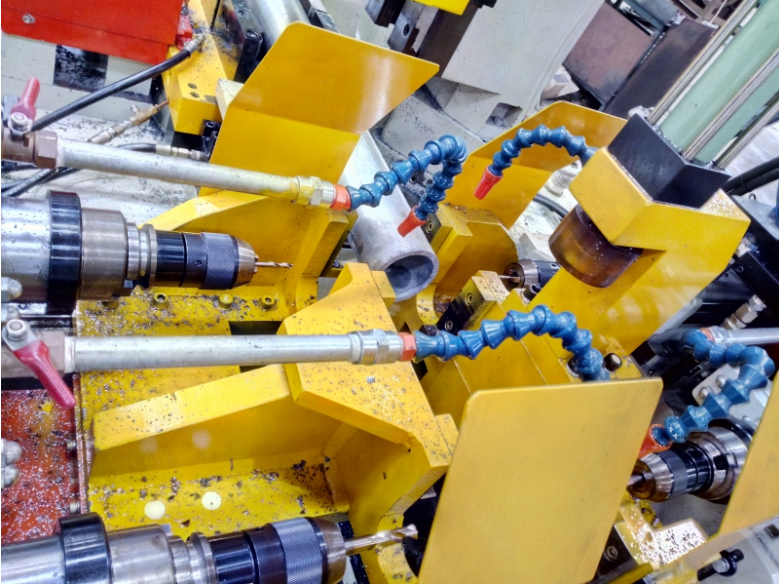
Model No.: CF-7000-2D1C

Suitable For:

- 1) Maximum Tube Size: Diameter 120*9 mm.
- 2) Maximum Tube Length (Auto Feeder): 8 M
- 3) Max. Drilling Hole Diameter: 20 mm.
- 4) Auto or Manual Z Axis Adjustment.



Tube Drilling and Cutting Machine



4 Drilling Spindles



Swiveling Angle (L 30°, R 45°)

Multi Spindles NC Drilling Machine with Cold Saw Cutter (with Auto Loading & Unloading System)

Model No.: CF-8000-4D1C

Feature:

The Drilling Spindles can move on the slide (Left/Right Spindle moves UP-DOWN on the Z axis direction) AUTOMATICALLY or MANUAI IY.

It can drill the holes which are not at center of the tube.

Suitable For:

1. Maximum Tube Size: Diameter 120*9 mm.
2. Maximum Tube Length (Auto Feeder): 8 Meters.
3. Max. Drilling Hole Diameter: 20 mm.
4. Auto or Manual Z Axis Adjustment.

