



Combined Decoiler Straightener And Feeder Machine

KINGREAL MACHINERY is one of the most professional metal sheets forming machines supplier in China. we can provide whole auto feeder machine solution, such as combined decoiler straightener and feeder machine. This machine is specially designed for high-strength steel to increase the efficiency of the production line

Product Description

▶ What is combined decoiler straightener and feeder machine? ◀



KINGREAL 3 in 1 machine is combined decoiler straightener and feeder machine, which is specially designed for high-strength steel to improve the processing accuracy of the production line. This machine adopts electric straightening precision adjustment, which is easier than manual straightening.

The machine is feeding leveling with uncoiling steel coil. The 3 in 1 whole line is controlled by PLC with computer display. We mainly apply computer-control system of brands Mitsubishi. This line can help to improve efficiency, lower cost and ensure quality.

TNCF series has won wide market with its high performance and low price. The thickness of material can be from 0.2MM to 8MM, width from 150MM to 1600MM, highest precision ± 0.15 MM and speed 16M/min. This machine is applicable for processing of copper coil, aluminum coil, cold-rolled coil, hot rolled material, silicon steel, and stainless steel and so on.



Main Part Details Of Combined Decoiler Straightener And Feeder Machine



Decoiler Machine

Function:

The decoiler fixes coils of different materials and specifications on the main shaft.

Through the support table supporting the inner diameter of the coil, while working automatically, the spindle is intermittently uncoiled and uncoiled through the command of the material ring control.

Equipped with coil diameter detection, control the uncoiling speed, ensure the uncoiling line speed is uniform, and improve the problem of loose coils.



Specification:

Expansion method	Hydraulic expansion
Spindle telescopic range	Φ450-Φ530mm
Spindle drive motor	AC motor with inverter
Spindle drive mode	Variable frequency gear motor
Spindle brake	Disc brake
Spindle unwinding direction	Down unwinding
Pressure wheel specification	PU rubber tire
Press wheel drive mode	AC motor with frequency conversion

Straightener And Feeder

The two functions of leveling and feeding are combined on one machine to achieve the effect of 2 in 1.

Function:

Use the principle of no bending to release the bending stress of the material to straighten the plate, and then send it to the press equipment according to the set length and speed.



Specification:

Drive mode	AC servo motor
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Straightening feed roller combination	Straightening roller; Auxiliary roller; Feed roller
Straightening degree display method	Dial display
Straightening roller release method	Pneumatic release
Straightness adjustment method	Manual handwheel (electric adjustment is optional)
Roller material	GCr15
Feeding line height adjustment method	Electric adjustment, customized
Roller transmission mode	Gear transmission

▶ Feature Of Straightener And Feeder Machine ◀

Straightener Part

1. 3 in 1 decoiler and straightener saves space and increase productivity.
2. Straightener and thickness adjustment by 4 worm gear micro-adjuster with reading 0.1mm advance reference indicator.
3. Feed and straightener roll with a hard chrome plated.
4. High rigid mechanical design sturdy construction, and high power output to secure proper straightening and feeding during the speed increasing efficiency.
5. Electric loop control system.



Feeder Part

1.NC Servo feeding. Operating with Computerize Numerical Control by PLC program from MITSUBISHI made in Japan. The electrical parts from YASKAWA made in Japan including Servo motor, driver, encoder, interface screen and so on.

2.High precision feeding: to meet the coming of hi-tech industry, controlled by computer closed circuit feedback system to keep precision degree within +/-0.15mm.

▶ What can we offer? ◀

✦ Provide Installation Services During the COVID-19 Pandemic

Since the COVID-19 pandemic, travel has been greatly affected. In order to help our customers to solve machine installation problems, KINGREAL will provide both online and local installation services FOR FREE!

Professional Team

1. Technical Team

KINGREAL has its own professional technical team.

With strong professional ability and rich design experience, KINGREAL engineers can design machines according to the drawings provided by customers and the corresponding production needs.

Solve all technical problems during the production, installation and use of the machine.

TECHNICAL TEAM



2. After-Sale Team

As the first point of contact for customers, KINGREAL Sale Team will provide professional services.

Our sales will listen carefully to your needs, provide the best production solutions, and ensure you have the best service.

And any other help you need we will do our best to provide.



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