

# Metal-Asia

## COMMERCIAL PROPOSAL

### Wire Drawing Machine with Pay-off and Coiler — Wire dia. 4–10 mm

**Supplier:** [Metal-Asia.pw](#) — Global Industrial Procurement & Supply Chain Solutions

**Author:** [Milosh Kovachevi](#)

**Date:** May 2026

**Segment:** Industrial Wire Drawing Equipment, B2B

**Target Markets:** Europe, North America, Middle East, Africa, Southeast Asia, Latin America

## Introduction

Wire drawing is a key metallurgical process that transforms wire rod into wire of specified diameter with enhanced mechanical properties. This drawing equipment set includes a drum-type pay-off stand, descaling unit, main drawing machine with drive system and protective covers, and an intelligent coiler with hydraulic clamping. The line is designed for drawing low-carbon steel wire from 4 to 10 mm diameter from 6.5–12 mm feedstock. Applications include general-purpose wire, reinforcement mesh wire, nails, fasteners, and other hardware. The 55 kW main motor ensures high productivity with consistent finished product quality. Every unit undergoes factory testing at no-load and under load before shipment.



*Engineering expertise for wire drawing equipment selection and optimization*

## Customer Pain Points & Our Solutions

Customer Challenge	Impact	Our Solution
Unclear Chinese equipment specs	Wrong selection, project mismatch	<a href="#">Engineering audit</a> and pre-order spec verification
Defective equipment risk	Financial losses, disputes	Pre-shipment inspection with detailed report
Customs complexity	Delays, penalties	<a href="#">Customs &amp; logistics</a> turnkey service
No local service support	Downtime, no spare parts	Local spare parts stock, remote diagnostics

Customer Challenge	Impact	Our Solution
Incomplete shipments	Startup blocked	Pre-shipment completeness verification
Language barrier	Specification errors	Multilingual project support
Payment security	Prepayment loss risk	Escrow payment protection

## Equipment Overview

### Purpose

Complete wire drawing equipment set for rough drawing of low-carbon steel wire. Input diameter 6.5–12 mm, output diameter 4–10 mm. Used as a standalone line or integrated into a reinforcement mesh production complex.

### Applications of Finished Product

- Wire for reinforcement mesh welding
- General-purpose binding wire
- Raw material for nails and fasteners
- Wire rope and cable manufacturing

## Technical Specifications

### Main Drawing Machine Parameters

No.	Parameter	Value	Notes
1	Input diameter	6.5–12 mm	Wire rod or wire
2	Output diameter	4–10 mm	
3	Main motor power	55 kW	
4	Gearbox type	Special design, hardened teeth	
5	Machine bed construction	Welded from special steel plate	
6	Descaler max input diameter	12 mm	Three-roller unit
7	Pay-off load capacity	2.5 t	
8	Coiler load capacity	1 t	
9	Coiler motor power	11 kW	
10	Coil dimensions (ID/OD/H)	510/950/460 mm	
11	Winding type	Horizontal	Smooth drum
12	Coil clamping	Hydraulic	

No.	Parameter	Value	Notes
13	Noise level	≤82 dB	
14	Speed control	Variable frequency drive	
15	Dimensions (approximate)	~8,000 x 3,000 x 2,000 mm	Assembled
16	Weight (approximate)	8,000–12,000 kg	

## Equipment Configuration

No.	Item	Qty	Unit
1	Drum-type pay-off stand (2.5 t)	1	pcs
2	Descaling machine (3-roller)	1	pcs
3	Main wire drawing machine	1	set
4	Intelligent coiling machine	1	pcs
5	Hydraulic pump station	1	pcs
6	Hydraulic cylinder	1	pcs
7	Hydraulic clamp set	1	set
8	Hydraulic hoses	4	pcs
9	Electrical control cabinet	1	pcs
10	Motor protective cover	1	pcs
11	Drawing machine protective cover	1	pcs
12	Drawing dies (draw plates)	1	set
13	Tool set	1	set
14	Drawing powder (lubricant)	1	bag

## Operational Consumables

No.	Material	Purpose
1	Wire rod 6.5–12 mm	Feedstock
2	Drawing dies (spare)	Working tool
3	Drawing powder (lubricant)	Drawing lubrication
4	Hydraulic oil	Coiler hydraulic system
5	Gearbox oil	Gearbox lubrication
6	Electrical power 380 V	~66 kW installed

No.	Material	Purpose
7	Cooling water	Closed-loop

## Facility Requirements

Parameter	Requirement
Production floor space	Minimum 15 x 8 m (120 m <sup>2</sup> )
Ceiling height	Minimum 3.5 m
Temperature	+5°C to +40°C
Humidity	≤80%
Electrical supply	380 V, 50 Hz, ~66 kW
Cooling system	Closed-loop
Compressed air	Up to 0.8 MPa
Foundation	Industrial concrete floor
Ventilation	Exhaust (scale dust)

## Services Included

### Full-Scope Procurement

[Metal-Asia.pw](#) provides comprehensive equipment sourcing from China:

**Engineering Audit** — Technical spec verification, manufacturer alignment, bilingual documentation.

**China Sourcing** — Full cycle from factory to your facility.

**Customs & Logistics** — Full-cycle customs clearance.

**Comprehensive Procurement** — Optimal configuration selection.

**Integrated Systems** — Turnkey production line design.

**Tender Support** — [Government procurement](#) bid preparation.

**Quality Control** — Factory inspection with NDT, chemical analysis.

### Why Metal-Asia.pw

Criterion	Direct from China	Metal-Asia.pw
Language	Issues	English manager
Factory audit	Not possible	On-site inspection
Documentation	Chinese only	Translated

<b>Criterion</b>	<b>Direct from China</b>	<b>Metal-Asia.pw</b>
Quality control	None	Pre-shipment check
Customs	Self-managed	Full service
Warranty claims	Lengthy	Local resolution
Commissioning	Hard to organize	Comprehensive
Spare parts	Long delivery	Local stock

## Customs Information

### HS Code

<b>Parameter</b>	<b>Value</b>
HS Code	8463.30.00
Description	Wire drawing machines
Import duty	Per customs tariff

### Customs Clearance

Full documentation package including CE conformity for Machinery Safety Directive. All permits obtained before delivery.

## Delivery Terms

<b>Parameter</b>	<b>Terms</b>
Incoterms	Per agreement
Manufacturing lead time	60 days
Packaging	Wooden crates
Number of packages	5–7
Volume	~20–30 m <sup>3</sup>
Gross weight	~8,000–12,000 kg
Warranty	12 months

## Equipment Gallery



*Wire drawing line and industrial mesh production equipment*

---

## Frequently Asked Questions (FAQ)

### **Q1: What is the service life of drawing dies?**

Die life depends on material (tungsten carbide, steel, PCD) and drawing conditions. When drawing low-carbon steel, tungsten carbide dies process 50–100 tons of wire. We recommend maintaining 2–3 spare die sets for annual operations.

### **Q2: How often is drawing powder replenished?**

Drawing powder (dry lubricant) is consumed continuously and fed automatically from the hopper. Consumption is 3–5 kg per ton of finished product for steel wire. The hopper is refilled 1–2 times per shift depending on production rate.

### **Q3: What hydraulic pressure is required for coil clamping?**

The coiler hydraulic system operates at 8–12 MPa. The hydraulic pump station is included. ISO VG 46 hydraulic oil must be filled before startup.

### **Q4: Can stainless steel wire be drawn on this machine?**

No. This machine is designed exclusively for low-carbon steel wire. Stainless steel, copper, or aluminum drawing requires specialized equipment with different drive, cooling, and lubrication parameters.

### **Q5: What staffing is required?**

One operator-technician and one assistant per shift. The operator manages loading, parameter monitoring, and coil changes. For 24/7 operation: 3 shifts of 2 persons each.

**Q6: Is a special foundation required?**

No special foundation is needed. A level industrial concrete floor is sufficient. Vibration-isolating pads are recommended to reduce vibration transmission to the building floor.

**Q7: How are dies replaced?**

Die replacement is performed during line shutdown. The die holder has a quick-release design. Full die set replacement takes 15–20 minutes. Tungsten carbide dies last 2–4 weeks of continuous operation under normal conditions.

**Q8: Is commissioning included in the price?**

Commissioning is priced separately at USD 100–200/day plus travel and accommodation. For this set, 7–10 engineer-days are required. Fixed-price packages available.

---

## Contact Information

For detailed information, visit [Metal-Asia.pw](http://Metal-Asia.pw).

- **WhatsApp:** +86 132 50100874
- **Telegram:** @China\_metal\_supply
- **Email:** zakaz@metal-asia.pw
- **Website:** [www.metal-asia.pw](http://www.metal-asia.pw)



*Comprehensive wire drawing equipment supply with commissioning from China*