

- ▮ WIRE DECOILER
- ▮ WIRE STRAIGHTENER
- ▮ SERVO WIRE FEEDER
- ▮ PNEUMATIC WIRE FEEDER
- ▮ WIRE CUT TO LENGTH



# WIRE DECOILER



HWD-2T

## FEATURES

- Wire Decoiler upto  $\varnothing$ 10mm
- 2 Support Arm Design controls coil set for large diameter wire
- Dancer Arm is mounted on Allen Guideway of sliding device which can be swivelled in any direction.
- Spring Loaded Dancer Arm regulates speed through the variable speed AC Inverter for Precise Control of Acceleration/Deceleration
- Regenerative drive with analog proximity switch maintains smooth material payoff & offers consistent speed control.
- Emergency stop circuit.
- Imported Italian Gearbox along with AC Motor with shock absorbing feature that eliminates material bounce common with other decoiling methods.

HWD	Capacity	Wire Dia	Table Speed Range (RPM)	AC Motor
HWD-1T	1000	0.5 to 3 mm	0-24	1.5 HP
HWD-2T	2000	3 to 10mm	0-36	3.0 HP



HWD-1T



Wire Decoiler with Dacing Arm & Side Railing Safety Guard

# WIRE CUT TO LENGTH

## FEATURES

- Straightens, Feeds and Shears to Programmable Length
- Rugged, Steel Plate Construction for Component support and Rigidity
- High Performance Digital Servo Drive, PLC and Motor (Mitsubishi control) provides accurate part lengths
- Job Storage

# WIRE STRAIGHTENER



## FEATURES

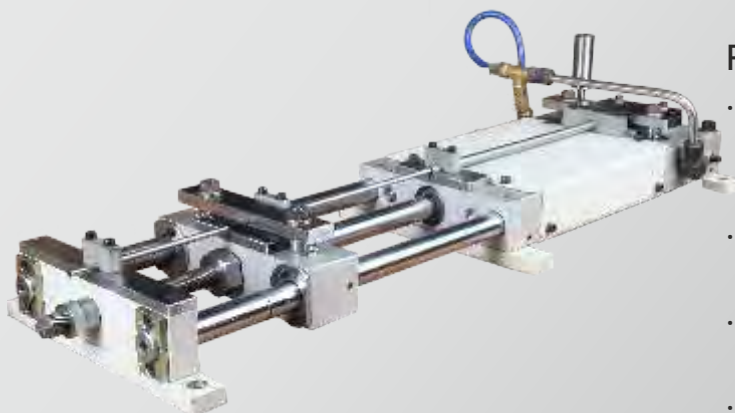
- Rugged Construction – Originally Designed for use in Wire Mills
- This Dual Plane Wire Straightener reduces the amount of power required pulling
- Shielded Roller Bearings have “V” Grooves ground into Hardened Outer Races
- Each plane of the “V” Grooves removes the natural curve of the material as the wire is drawn through
- All Rolls are Permanently Lubricated
- Spring-loaded Feature Compensates for Wire Irregularities
- Rolls are Easily Adjusted by a Set Screws and Locknuts
- Adjustable roller on Precision Dove Tail Slides
- “T” Handle Clamp Screws open and close the Straightening Rolls for Quick Set-Up and Changeover from one coil to the next
- Available in either Left-To-Right, or Right-To-Left Direction
- Special Shaped Rolls are Available as an Option



WS-2

Model	Wire Capacity	Not Horizontal Rolls	Not Vertical Rolls	Rolls Diameter
WS-1	1.5-3	9	5	22
WS-2	3-7	9	7	40
WS-3	6-10	7	5	60

# PNEUMATIC WIRE FEEDER



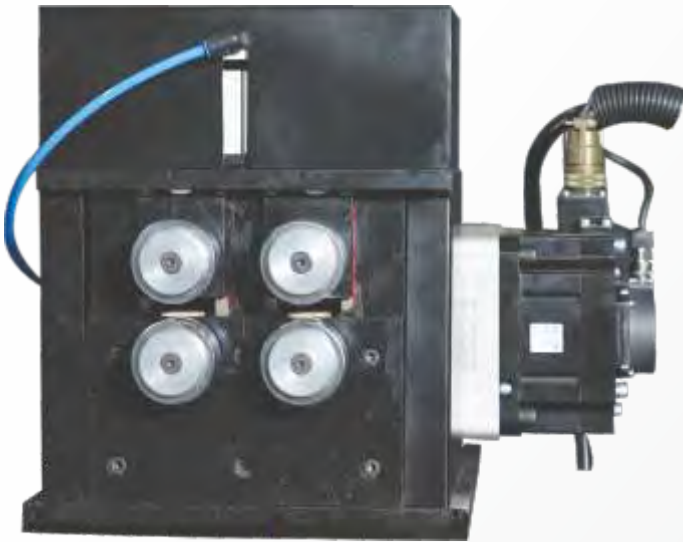
## FEATURES

- Stainless Steel Telescoping Tubes with specially sized Guide Bushings (Tunnel Guide) enable the Standard Pneumatic Feeder to Smoothly and Accurately move Wire to the next process.
- Extremely Easy to Install – Two (or Four) mounting bolts and a single air line connection.
- Compact, Clean Design enable the Wire Feed to be mounted on the Die Set.
- Feed Body is Constructed of Anodized Aircraft Aluminum.
- Standard Mechanical Actuation or Remote Actuation via Solenoid Valve available.

### Specifications / Models

*Any standard model from our Pneumatic Feeder can be converted to Pneumatic wire feeder by attaching tunnel guide attachment*

# SERVO WIRE FEEDER



## Mechanical Design Features

- The Servo Wire Feeder comes with a choice of 1, 2, or 3 Roller Modules
- Add a 2nd and 3rd module when more gripping/driving force is required - more contact points allow more force to be exerted without damaging the wire
- Rollers are easily replaced or changed for different wire shapes and sizes
- Two different grooves can be provided on each roll
- Rolls can be flipped to the opposite orientation and maintain the same center line
- Pneumatic Cylinder exerts roll clamp pressure (Optional Hydraulic Cylinders available).
- Precision Gear Box Ratio 1:5 fixed on lower rolls.
- Upper rolls synchronized by 4 gear at low gap.

## Specifications

Model	Wire Diameter	Roller Diameter	Servo Feed Motor	Pulling Force
SWF-2	3.0- 7.0 mm	65 mm	2 Kw	9.5 Nm

## Servo System Design Features

- Complete package of Servo Drive, Motor, PLC & HMI from Mitsubishi, Japan.
- High performance Servo Drive
- Low inertia, brushless AC Servo Motor with high energy.
- Digital Servo Drive Manages Roll Motion via Encoder Based Feedback System.
- Closed loop feed length controller automatically generates the velocity of accurate feeding.
- Operator Interface Terminal with Numeric Input Key Pad and LCD Display of feed length, speed and system parameter settings.



**TAMCO**  
★★★★★

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