

Drawing Technology Inc.

1550 Elmwood Road | Rockford, IL 61103-1217
Phone: 1-815-877-5133 | Fax: 1-815-877-3627
Email: sales@drawingtechnology.com
www.drawingtechnology.com



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Leading the Way In Wire Processing Equipment



From our beginning in early 2000, Drawing Technology Inc. (DTI) has been raising the bar in the Wire, Fastener and Concrete industries by focusing on every aspect of the machines we make and ensuring that our equipment is designed using the latest in technology. During this time, we've established ourselves as the premiere vendor in these industries by taking a "proactive" rather than a "reactive" role in addressing the customer's needs.

DTI brings a complete new approach to such things as safety, operator controls, electrical and mechanical design, after sale service and support. We introduced innovative features like lift off draw boxes, self-storing grippers, two hand two speed jog systems and PLC controls. In most cases these features are standard on our equipment. These, along with other functioning improvements, allowed us to include a three-year warranty on most components as standard on our wire drawing equipment.

While continuing to work in the traditional wire and fastener industries, DTI has expanded into two completely new markets by designing such equipment as CNC servo press feeds for the press and stamping industry and high speed Mini Wire Mills to recoil and level wind wire for the concrete pipe and wire processing industries.

Our working relationships with production and special equipment manufacturers such as Shuster, Videx, FASTER Equipment Corp, Zublin, Barbarotto Machinery Group, Micro Welders, National Machinery, Nedschroef, Schlusserbauer and others allow us to work together to ship complete turnkey systems to our customers. These relationships have established us as a leader in the industry in interfacing with OEM's and custom machine builders working in all phases of application engineering, design and installations.

We at DTI believe the best business is taking care of your business. Focusing on after the sale support is critical to building trust, and keeping your product flowing. If you are considering a new machine purchase, we invite you to get our customer list and see what they say about DTI. We will stand behind our reputation as seen through our customer's eyes.

DTI products and services include:

- In-Line Wire Drawers
- Wire Resizing Equipment
- Rod Breakdown Machinery for processing of cold drawn steel from hot rolled rod
- Mini Wire Mill Recoiling and Wire Spooling for the concrete pipe, wire forming, and wire processing industries
- Payoff Equipment including Power Driven Uncoilers, Flippers, Powered and Passive turntables
- Mechanical breaker roll Descalers for hot rolled rod up to .750 diameter
- Remanufacturing of all brands of in-line wire drawing equipment
- Tooling, spare and repair parts for all in line wire drawing, wire straighten and cut, and payoff machines

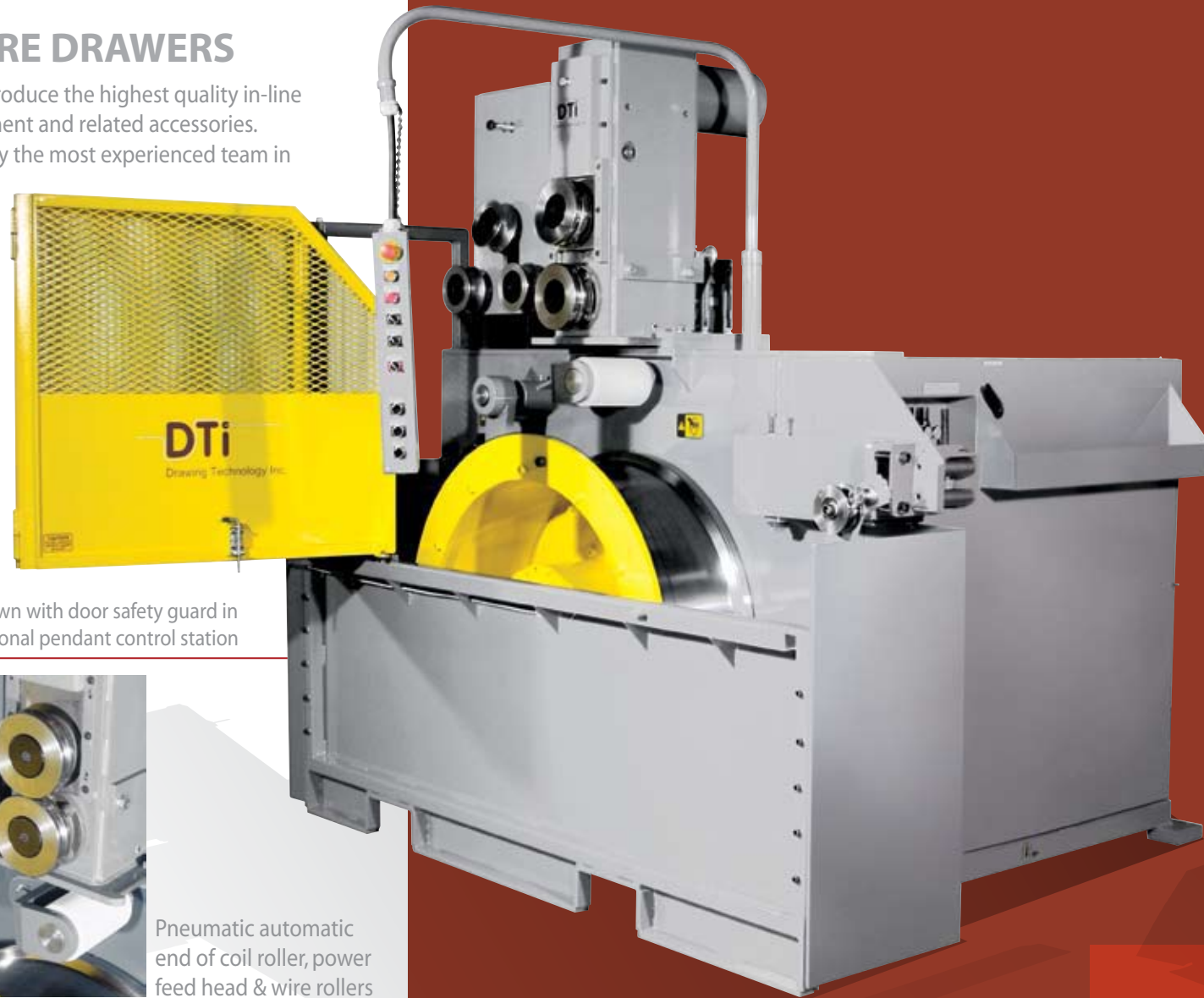
Drawing Technology

IN-LINE WIRE DRAWERS

DTI is dedicated to produce the highest quality in-line wire drawing equipment and related accessories.

Designed and built by the most experienced team in the industry, we are committed to the principals of:

- High quality construction
- Service excellence
- Machine safety
- Innovative design
- Technical leadership



Model 100 | Shown with door safety guard in open position and optional pendant control station



Pneumatic automatic end of coil roller, power feed head & wire rollers



Model 43 | Shown with door safety guard in open position and optional pendant control station

Standard on all models

- AC inverter drive
- Planetary gear reducer (no chain drive)
- Full capstan safety guard with interlock
- Self-storing gripper
- Safety interlocks
- Power supply disconnect
- Percent load and hour meter
- Two speed jog

Standard on all models 38 through 100

- Pneumatic wire rollers
- Pneumatic compensator
- PLC machine logic with 24 volt controls
- Two hand safety jog
- Two speed jog
- Lift off draw box (model 25 through 58)

Standard on Models 90 and 100

- Entrance wire roller guide with end of coil switch
- Power feed head
- End of coil anti-flail roller

Model	Capstan Diameter inch [mm]	Max. Rated Draw Force lbs. [kg]	Alloy Max. Diameter inch [mm]	Mild Steel Max. Diameter inch [mm]	Available Horse Power Range hp [kw]	Feed Head
25	20" [508]	1800 [816]	.125 [3.2]	.250 [6.4]	5-10 [3.7-7.5]	N/A
31	20" [508]	3100 [1406]	.250 [6.4]	.312 [8.0]	5-20 [3.7-15]	N/A
38	24" [610]	5000 [2270]	.312 [7.9]	.375 [9.5]	5-20 [3.7-15]	N/A
43	28" [711]	6500 [2950]	.375 [9.5]	.437 [11.0]	10-60 [7.5-45]	N/A
58	36" [914]	8500 [3850]	.500 [12.7]	.580 [14.7]	15-30 [11-22.5]	N/A
63	36" [914]	12500 [5660]	.562 [14.3]	.625 [16.0]	20-60 [15-45]	OPTIONAL
73	44" [1118]	16000 [7250]	.688 [17.5]	.750 [19.0]	25-75 [19-56]	OPTIONAL
90	44" [1118]	20000 [9060]	.750 [19.0]	.900 [22.9]	30-100 [22.5-75]	STANDARD
100	54" [1372]	25000 [11300]	.875 [22.0]	1.00 [25.4]	30-200 [22.5-150]	STANDARD

PLC Machine Control Logic



Lift Off Draw Box



Self-storing Gripper Chain



POWER DRIVEN UNCOILERS FOR LARGE DIAMETER APPLICATIONS

Standard Features

- Designed for today's higher speed and heavy coil applications.
- Two models available for diameters up to 1.500 inch (38 mm)
- Can be equipped with twin coil support mandrels designed to reduce coil swing to allow for faster production speeds.
- AC Inverter drive system
- Pneumatically actuated feed rolls, 8 or 12 inch diameter
- Portable operator's station
- Ridged I beam construction to support the largest available coils
- 90 and 96 inch mandrels standard, Other lengths available
- Snag detector switch

Options

- Full enclosure, with safety interlocked guard
- Power cutoff saw
- Integrated single or double plane straighteners
- End of coil detector



COIL FEEDER FOR HIGH SPEED AND GREEN ROD APPLICATIONS

Standard Features

- Designed for high speed applications for diameters from .625 (16mm) to 1.500 inch (38mm)
- Eliminate the danger of operator injuries caused by pulling the end of the coil out by hand
- Pull the end of the coil to the feed rolls and straightener using a simple gripper and winch system.
- Ideal for green rod applications
- Can be used with:
 - Bull block
 - Draw bench
 - Pointer
 - Rotary swager
 - Welder
 - In-line wire drawer
 - Cold header
 - Straighten and cut machine

Options

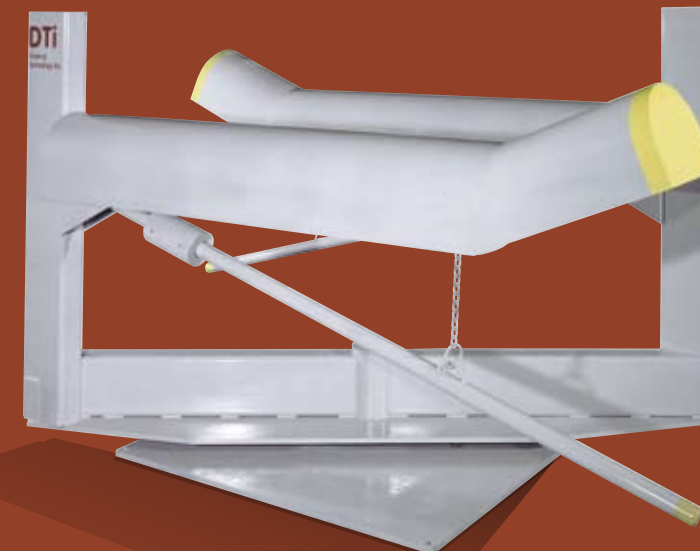
- Wireless or portable operators station
- Track mounting to move the machine out of the wire line



ROD FLIPPER

Standard Features

- Allows for coil changes without stopping the production line when used with a butt welder
- Will handle coils sizes of up to 6000 pounds with an unbanded length of up to 8 feet
- Can be used for rod sizes from .218 to .680 inch diameter (5.5 to 17mm)
- Space saving Z or S configurations standard.
- Large radius saddles help reduce tangles on small diameter rod



SNAG DETECTOR

Standard Features

- Detects tangles and stops production line before the wire breaks
- Reduces down time associated with butt welding the broken wire or restringing the wire drawer
- Adaptable to most any draw line
- Adjustable tripping sensitivity

POWERED TURNTABLE

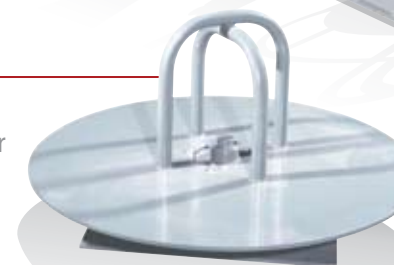
Standard Features

- 5hp AC inverter variable speed drive with dynamic braking
- Adjustable tension and height spring loaded dancer arm
- 50 and 60 inch diameter top plate
- 5000 lb coil capacity
- Wire containment ring
- Reversible rotation
- Production machine safety interlock system
- Dual speed control. Full dancer arm control or master setting with trim.
- Standard mounting for up to 3 lifter arms.

PASSIVE TURNTABLE

Standard Features

- Top plate sizes from 30 to 60 inch diameter
- Heavy duty Timken bearing construction
- Coil weights up to 7000 pounds
- Fixed 18 X 18 inch center spiders



Options?

- Wire containment ring.
- Pneumatic or mechanical drag brakes
- Adjustable and special center spiders

DESCALING DRAWING AND RECOILING EQUIPMENT



WIRE MILL EQUIPMENT FOR PROCESSING HOT ROLLED ROD

Standard Features

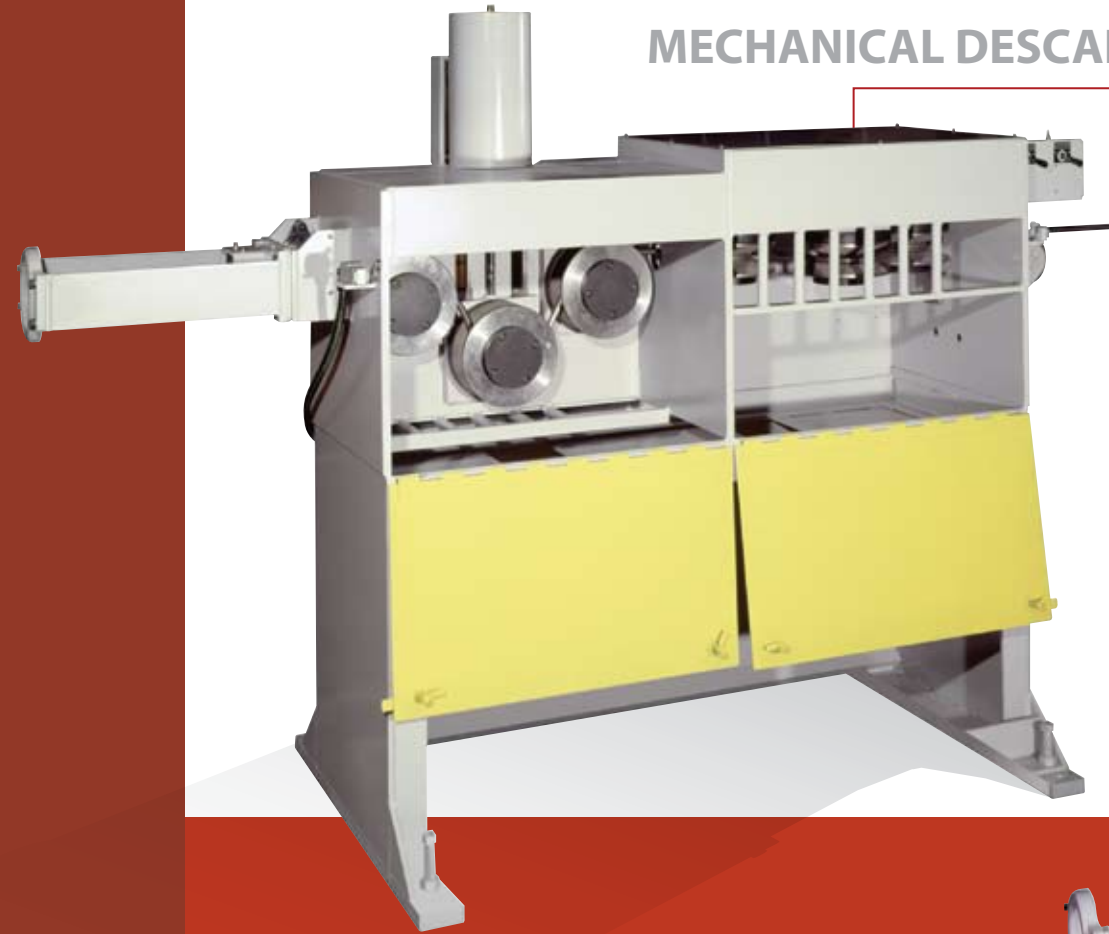
- Descale, draw and recoil up to 3000 pounds on tubular carriers
- Level wind up to 1,600 pounds on spools
- Line speeds up to 360 fpm
- Models available for diameters up to .750 inch diameter
- Easy access doors for overhead crane or fork lift unloading
- AC inverter drives
- PLC logic with 24 volt controls
- Safety interlocks on all access doors



MECHANICAL DESCALERS FOR HOT ROLLED ROD

Standard Features

- Two available models for rod diameters from .218 to .750 (5.5 to 19 mm)
- Carbide inserted rolls with sealed bearings
- Tool steel entrance guide rollers
- Flame hardened entrance guide ring
- Enclosed cabinet with port for dust collector connection
- Safety interlocks on access door
- Free standing construction for use with most any wire drawing application



TURKS HEAD ATTACHMENT TO PRODUCE DEFORMED MATERIAL

Standard Features

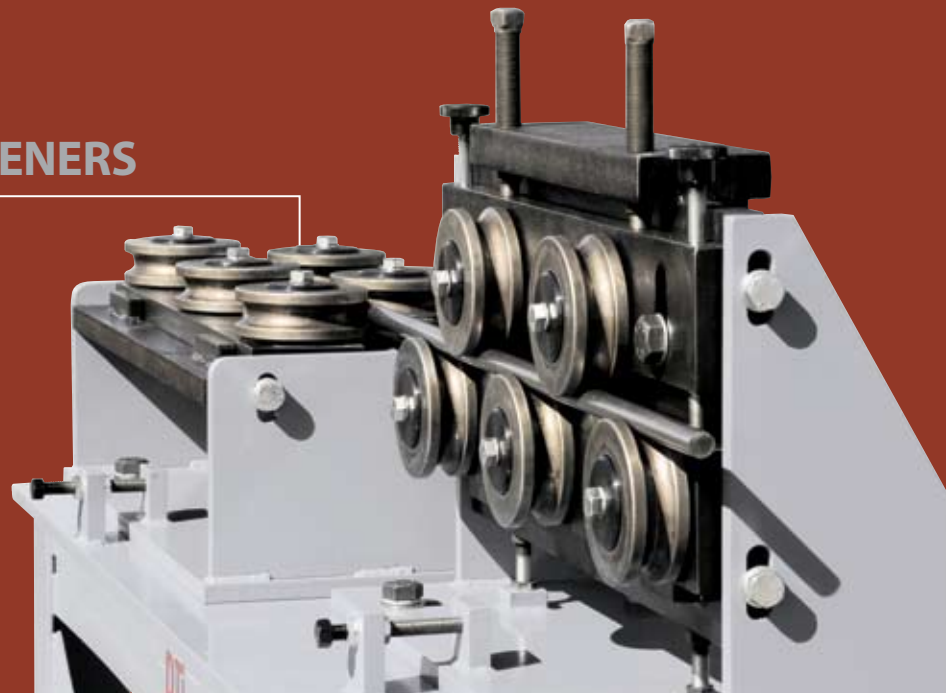
- Free standing unit allows easy retrofit into any existing draw line
- .200 to .500 (5 to 13mm) capacity
- Tool steel rollers mounted with heavy duty Timken bearings
- Coolant tank and pump system included



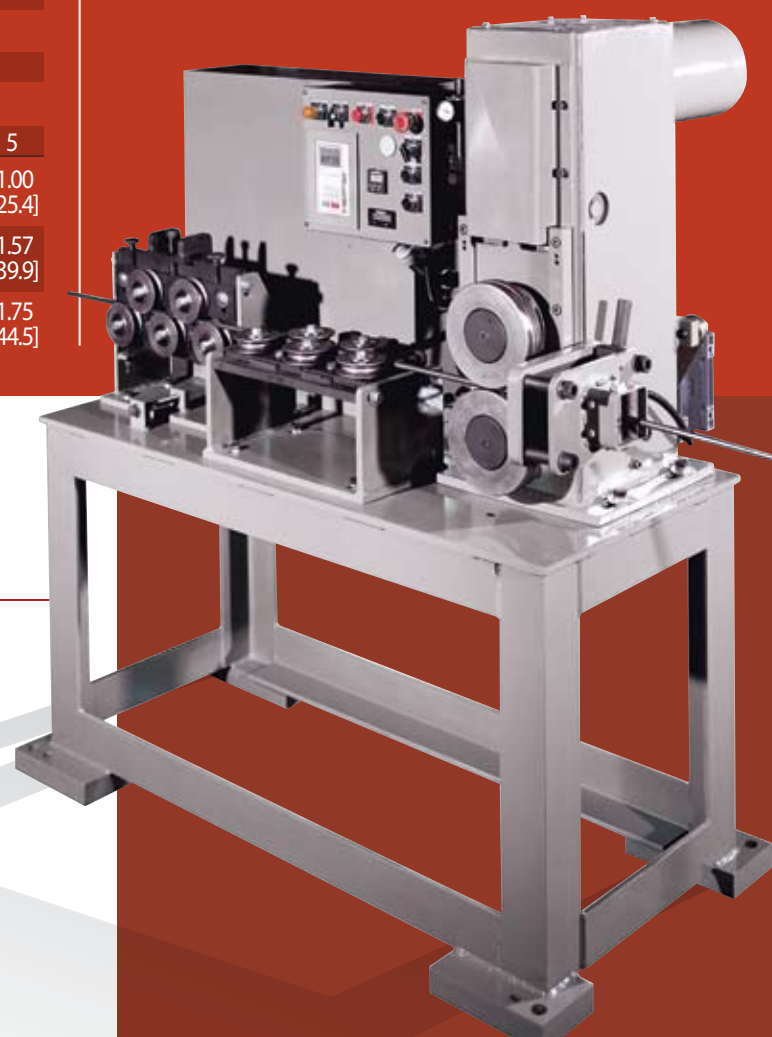
ROLL TYPE STRAIGHTENERS

Standard Features

- Single and two plane construction
- Integrated single knob adjustment with quick release
- Manual or powered roll positioners with digital readout available
- Available with wire line height and direction of wire flow as required



Model	Number of Rolls									
	09	13	7	5						
11		9	7	5						
17		13	9	7	5					
24				11	7	5				
33					9	7	5			
40								5		
56									5	
Recommended Wire Diameter	MIN. INCH [MM]	.030 [0.8]	.080 [2.0]	.100 [2.5]	.125 [3.2]	.200 [5.1]	.350 [8.9]	.500 [12.7]	.700 [17.8]	1.00 [25.4]
	NOMINAL INCH [MM]	.080 [2.0]	.160 [4.1]	.240 [6.1]	.310 [7.9]	.470 [11.9]	.630 [16.0]	.780 [19.8]	1.10 [27.9]	1.57 [39.9]
	MAX. INCH [MM]	.100 [2.5]	.175 [4.5]	.250 [6.4]	.340 [8.6]	.500 [12.7]	.700 [17.8]	.870 [22.1]	1.30 [33.0]	1.75 [44.5]



PRESS FEEDS

Standard Features

- Feed coiled material directly from a wire drawer or turntable directly into a press
- Servo length control
- PLC logic with 24 volt controls
- Models available for diameters from .250 to 1.00 inch (6 to 26mm)
- Hinged safety guards on all pinch points (not shown)
- Available with wire line height and direction of wire flow as required



ACCESSORIES, TOOLS AND REBUILDS

Standard Features

Parts and service for all types of in-line wire drawers and wire equipment includes:

- Inverter drives
- Capstans replaced or resurfaced
- Gear reducers
- Grippers
- Wire relaxer rollers and one way clutches
- Input shafts
- Hydraulic pumps and motors
- Control cables

All parts normally shipped from stock



STRAIGHTEN AND CUT TOOLS

Standard Features

- Lewis, Wells, Wafios, Shuster, Videx and old style Patterson
- .062 to 1.00 inch diameters
- Cast iron and Bronze arbor dies
- Cutoff Knives and Quills
- Feed rolls
- Replacement parts

REMANUFACTURING

Standard Features

- Remanufacturing of any brand of in-line wire drawer
- Ground up rebuild including sand blast and paint
- Conversion from mechanical or hydraulic to AC inverter drives
- Full automatic speed control
- New electrics and pneumatics components
- Capstans recut or replaced
- Speed and horse power modifications

