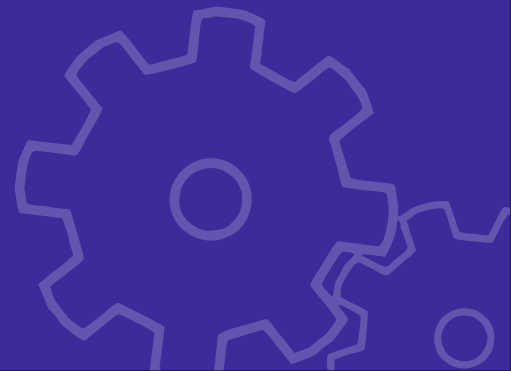




Swaraj

*Leading
manufacturer
of wire drawing
machines*

*“Built like a tank.....
..... Runs like a Race Car”*



Wire Drawing Machines for Carbon steel and Stainless steel wires



- Maximum speed: up to 35m/sec
- Block size: as small as 150mm to as big as 1200mm.
- Customized machine design, depending of wire material to be drawn.
- Drawing blocks are made up of special alloy steel, induction hardened and tungsten carbide coated.
- Special rust preventive coating on internal surface of the block.
- Excellent block cooling with self-cleaning technique provide consistent cooling, even at high speeds.
- Specialized die box with optimum die cooling. Easy and quick change over of dies.
- Adjustable for fine setting of cast & helix.
- Soap box with motorized stirrers for periodic mixing of soap to avoid lump formation in dry lubricant
- Use of latest technology, electric motors and automation products such as variable frequency drives, PLC & HMI.
- Use of high efficiency helical gearboxes.
- Lower power consumption due to customized machine kinematics and use of modern drive technology.
- Pneumatic, efficient braking at high speeds.
- Easy & Operator friendly interface for all machine operation.
- Low and easy maintenance. Easy troubleshooting. Low noise level.

Optional features: -

- Automatic die schedule calculation.
- Eco-logical guards. Provision for connecting vacuum suction system.
- Interface for data acquisition.
- Remote connection through modem for online trouble shooting.

Take-ups for wire Drawing Machines

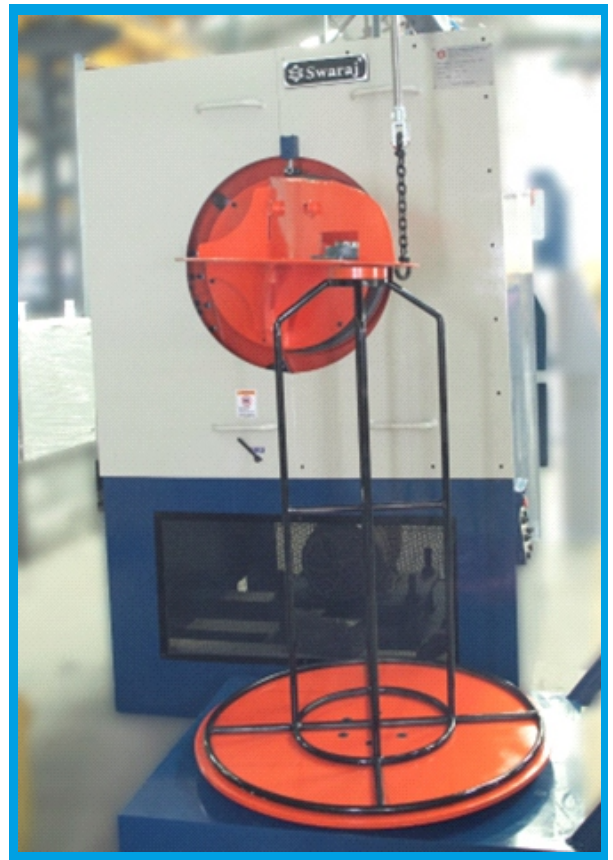
Spooler

- Option for using multiple spool sizes.
- Hydraulic or pneumatically operated spool lifting / lowering and spool locking system.
- Use of pneumatic disc brakes. Efficient braking at high speeds



Dead Block Coiler / Static Block Coiler

- Well-designed coiling nose for easy slippage of wire at higher speeds.
- Specialized straightener roller sets for better setting of cast and helix.
- Accurate weight measurement system.
- Option for using pattern laying arrangement / rosette type wire laying.
- Option for block and die cooling.



Eco-friendly wire rod preparation system / Inline wire rod preparation system



This system enables preparation of wire rod without using acid. This high efficiency system is specially designed to operate in line with the drawing machine and consists of following equipment:

- Mechanical Descaler / Scale Breaker
- Sanding belt Descaler - Single head / Double head
- Wire brushing unit
- Rinsing, pre-coating / borax coating and drying unit

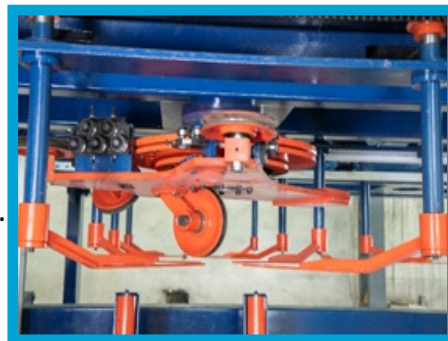


Take-ups & pay-off systems for process line

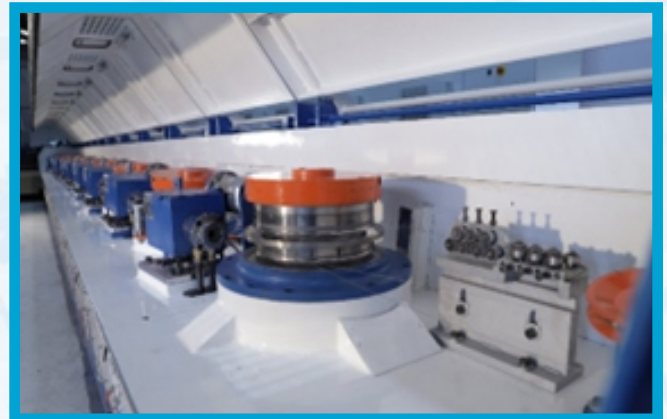
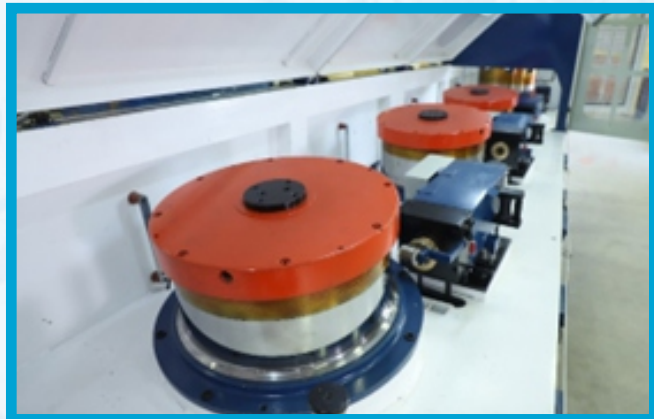
We offer a variety of pay-off and take-up and pay-off system for wire processing line - Galvanizing, Annealing, Patenting line & Coppering / Bronze coating line:



- Horizontal or vertical axis pay-off for smooth feeding of wire to galvanizing line.
- Take-up: Vertical drop coilers – Stationary and Rotating capstan .
Horizontal spool take-ups.
- Motorized pattern laying/rosette type coil collecting arrangement on vertical take-ups.
- Accumulator system on pay-offs and take-ups for non-stop operation.
- Individual pay-off + take-up operation.



Straight line wire drawing machine



Other Products:

- Pay-offs for wire drawing machine
- Spool Tilters
- High Speed Rewinding Systems
- Co2 wire production line
- Wet drawing machines
- Inverted drawing machines (IVD)
- Inline phosphating system
- Coil compacter machine



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