



Wire Straightening Dies

Approach The Die Specialists Today!

Experience the BI Competitive Edge

- **Lowest Price Per Cost**

High Quality Raw-Material used by us reduces hidden costs associated with lower quality products.

- **Precision Parts & Superior Design**

Our Products have long-lasting lifespan, thereby ensuring lesser die-requirement, helping achieve saving on downtime, labor and dies cost, as fewer dies do MORE!

- **Premium Customer Service**

For any rush or any clarification about your dies, don't worry! Rest assured! We are dedicated to your success, making your job easier!

Contact Us

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MANUFACTURER'S & SUPPLIER'S OF QUALITY PRODUCTS:

WIRE, TUBES & ROD DRAWING DIES - DIAMOND - PCD - COMPACTING - COATING - WIRE STRAIGHTENING - HEADING - GRIPPER - EXTRUSION DIES - WIRE GUIDING NOZZLES - POWDERED & GRANULAR CHARCOAL - WIRE DRAWING LUBRICANTS - WIRE CUTTERS - PULLING-IN-DOGS - METALLURGICAL MICROSCOPE FOR DIE TESTING

In preparation of products like welding electrodes, weld mesh and other products, wire is used as primary product, which has to be straighten from its coiled form prior to usage. **Wire Straightening dies** are used for deflection free drawing of wire for lowering frictional contact while usage in such products. Wire cannot be straightened like any-other product due to inherent force and torque-related influences.



Wire straightening dies, also called as spinner dies and cutter dies are no different in geometry than other wire drawing dies. They also possess a bore in centre, but this is slightly larger than diameter of wire being straightened. The larger diameter is to ensure absolutely no change to the diameter of wire, as it only has to be straightened.

Technical Specification

Nib Material	Bore Size(mm)
Carbide, PCD, Single Synthetic Diamond, Ceramic	1.5-15.00

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Straightening Dies manufactured by Bharat Industries can be used for straightening all types of cold drawn wires and other non-ferrous wires. These can be used for straightening wires, tubes, cables, strips.

Working Model:

Wire Straightening dies

are placed in a horizontal plane, offset to each other at a particular distance. The wire is made to pass through a series of straightening dies in a straight path so that it is flexed in essentially all directions. When a bent or kinked section of wire passes through these dies, it is flexed in all directions in an amount

exceeding its elastic limit, thereby eliminating present bends. The centre distance between two dies on the wire-straightening machine, has to be within stipulated limits for a particular wire diameter to produce proper beam effect and bending stress for getting the wire straightened.

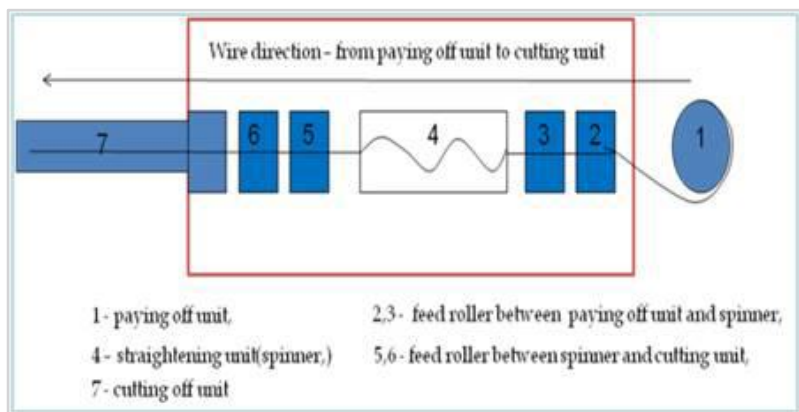


Figure 1: Layout Of Wire Straightening Machine