

September 2002

Videx Stroke Rod Headers and Combined lines

The Videx Rod Headers are a perfect and inexpensive solution for production of small and medium size batches of Long Headed or Extruded Studs.



The Rod Headers are available either fully automatic from coil, or fed by a hand magazine. The machines can integrate 1 to 3 heading stations and 1 or 2 secondary operation or inspection stations.



The machines are mostly suitable for long parts or parts which require long strokes. They are based on the Videx Servo Transfer technology, which enable incorporation of heading operations with material removing operations such as Chamfer cutting, drilling, etc.



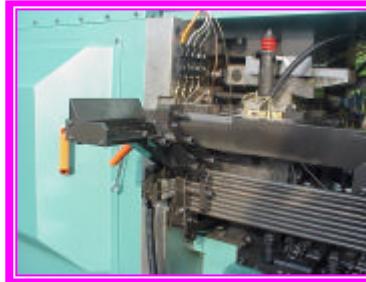
The Videx Rod Headers are available with 2 or 3 heading stations and in tonnage rating from 50 ton and up to 200 ton. A threading station is optional on all models.



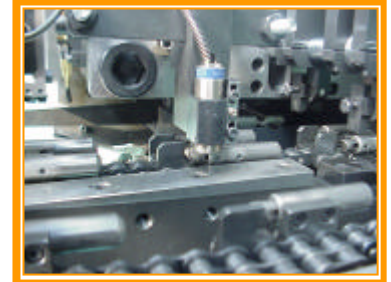
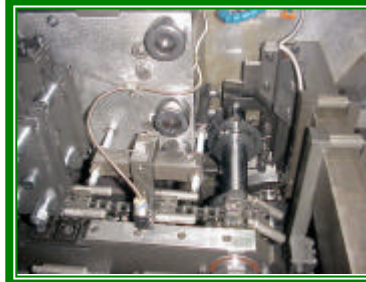
The machines are mostly suitable for production of the following parts:

- ▶ Long Fasteners from 200mm (8") long up to 3,000mm (10') under the head, like motor studs, cable drum studs, etc.
- ▶ Extruded studs with long extrusion stroke.
- ▶ Upset and shouldered parts requiring long strokes like Muffler Hangers.

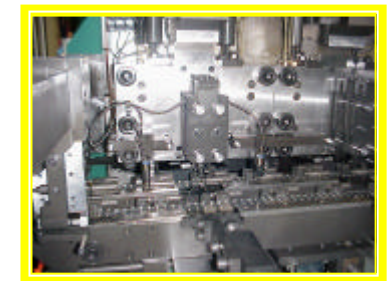
When supplied as a fully automatic machine, the first station is a reciprocating straightener which feeds the wire and straightens it simultaneously. This combined operation assures good straightness and wire finish, with no cosmetic



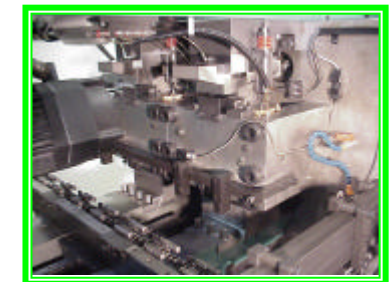
damage. When changing the wire, only Quick-Change Plugs should be replaced.



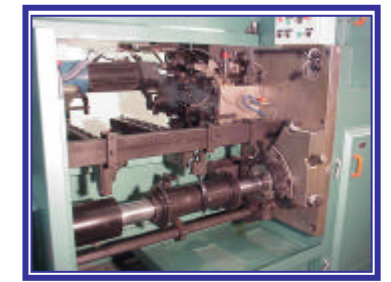
The cut-off is done by an Impact Shear system, without a clutch. The wire is supported during cut-off, assuring a square cut face. The straight wire hits a positive stop before it is cut, so the cut-off length is always perfect.



The cut-to-length bars accumulate in a magazine, from where they are transferred into the first station. In most cases, this station would be a heading station that will form the blank for the second heading station. In other cases, it could be an extrusion station or even a chamfer cutting station.



When heading big diameter wires, it is possible to use the first station for Induction Heating.



From the first station, the parts are transferred by the Servo conveyor into the second station for the main heading operation or for extrusion, facing, drilling, etc. The third and fourth stations are optional and can accept any secondary operation as well as Inspection.



When using a chamfer cutting on one of the stations, the chips from the turning operation are separated, and are exhausted outside the machine on a special tray. The turning heads are isolated from the machine, which allows removing the chips and keeping the work area clean.

Once the last operation has been completed, the parts can either be ejected outside the machine or be transferred into a planetary thread rolling station, where they can be threaded either partially, or in full, up to 200 mm (8") long.

The machines are equipped with Quick-Change features, that allows effective manufacturing of small production batches, with less skilled employees.

Videx Ltd.