

**84.63 - Other machine-tools for working metal or cermets, without removing material.**

8463.10 - Draw-benches for bars, tubes, profiles, wire or the like

8463.20 - Thread rolling machines

8463.30 - Machines for working wire

8463.90 - Other

With the **exception** of the machine-tools of **heading 84.62**, this heading covers machine-tools which work metal or cermets, without removing material.

In general machine-tools are power-driven but similar machines, worked by hand or pedal, are also covered by this heading. These latter types can be distinguished from the hand tools of **heading 82.05** and from the tools for working in the hand of **heading 84.67**, by the fact that they are usually designed to be mounted on the floor, on a bench, on a wall or on another machine, and are thus usually provided with a base plate, mounting frame, stand, etc.

The heading includes :

- (1) **Drawing machines** (draw benches), for the bright-drawing of bars, tubes, shapes, sections, wire or similar products.
- (2) **Thread rolling machines** in which the threads on bolts or screws are obtained by rolling and pressing and not by cutting.
- (3) **Machines for working wire** e.g., for manufacturing wire goods such as springs, barbed wire, chains, pins, wire nails or staples, and hooks. The heading also covers machines which, being of a kind specially designed for making wire grill or netting, differ from the ordinary textile weaving loom both as regards their method of operation and their constituent parts. Assembly looms using precrimped wire are **excluded (heading 84.79, etc.)**.  
Machinery for making ropes or stranded cables of metal wire or of mixed textile and wire is also **excluded (heading 84.79)**.
- (4) **Machines for spiralling fine metal wire** in the manufacture of electric lamp filaments.
- (5) **Riveting machines** apart from presses of **heading 84.62**.
- (6) **Swaging machines**, in which tubes or bars are forced through rotating dies to reduce the diameter.
- (7) **Spinning lathes**. These machines differ from those of **heading 84.58** by the fact that they operate by deforming the metal.
- (8) **Machines for manufacturing flexible tubes of spiral metal strip**.
- (9) **Electro-magnetic-pulse metal-forming machines (or magneto-forming machines)**, using the force of a magnetic flux to shape, without removing any material, a metal workpiece, usually tubular, with the aid of a die.

## PARTS AND ACCESSORIES

**Subject** to the general provisions regarding the classification of parts (see the General Explanatory Note to Section XVI), parts and accessories (**other than** the tools of **Chapter 82**) of the machine-tools of this heading are classified in **heading 84.66**.

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The heading also **excludes** :

- (a) Hand tools (**heading 82.05**).
- (b) Banding machines for banding bales, machines for closing cans or other containers (**heading 84.22**).
- (c) Machining centres, unit construction machines (single station) and multi-station transfer machines, for working metal (**heading 84.57**).
- (d) Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or non-electric motor (**heading 84.67**).
- (e) Testing machines and apparatus (**heading 90.24**).