

Options to increase productivity of the shears station

Electric Length Gauge: Covers shearing stations.

The operation is, as follows: The material is pushed by hand and when it touches the head of the electrical end switch, the machine performs a full cutting cycle. The adjustment of the length is done on the millimetre scale with the fine adjustment head (see photo).

This equipment is included in the Productivity package and all machines are ready to be fitted with this option.



Automatic feed of ALRS flat bar

The **ALRS** assembly has been designed for the automatic feeding of flat plate/bar in the shearing station on our **HYDRACROP 80, 110, 165, 220** models.

The unit consists of one **(1)** toothed drive roll which is activated by a **(2)** servo motor which is governed by the **(3)** numerical control unit. The flat plate/bar is held in place by a hydraulic hold down **(4)**, guided by fixed rollers **(5)** and guide rollers **(6)**, adjusted by a screw driven manually from a handwheel. The material moves along a 19" long bed **(7)** on conveyer rollers.

The shearing quality of the flat plate/bar is guaranteed by the **HYDRACROP**, a machine of renowned prestige.

The traditionally cumbersome operation of manually pushing the material forward until in position is now obsolete, leading to time saving, enhanced productivity and accuracy.

The displacement speed is programmable and reaches 700/ft/min.

Measuring is done by means of a contact encoder with a positioning accuracy of $\pm 0.008'' / 40''$.

The feeding system can be used for flat bar as small as $\frac{5}{8}''$ and up to $23\frac{1}{2}''$ in width with a maximum length of 275". Furthermore, by means of the use of additional conveyor roller tables, bars of any length may be fed (maximum weight 1325 Lbs).

Programming is simple and the control unit has several fields to enter a variety of lengths to cut, with the desired amounts.

