

Machinery for the conditioning of tube ends

In many cases tube ends need an additional treatment.

By interlinking the automatic tube cutting machines with the end conditioning machinery short cycle times are reached. Furthermore transport ways and intermediate storage are omitted.

Damaging the tubes, e. g. by hitting each other is avoided.

Chipping final treatment like chamfering, turning, counterboring, and deburring are also realized by interlinking the units.

The tube parts cut by the tube cutting machine are automatically handed over to the transport chain of the end conditioning machine. The transport chain moves the tube cuts to the conditioning machine for the next step - turning, chamfering, reshaping, etc.

By that many user-defined working stations can be arranged one after the other, e. g. end conditioning, complete blowing, length measurement, and more.

Treatment is done parallelly, so that normally even using different working steps no loss in cycle times results.

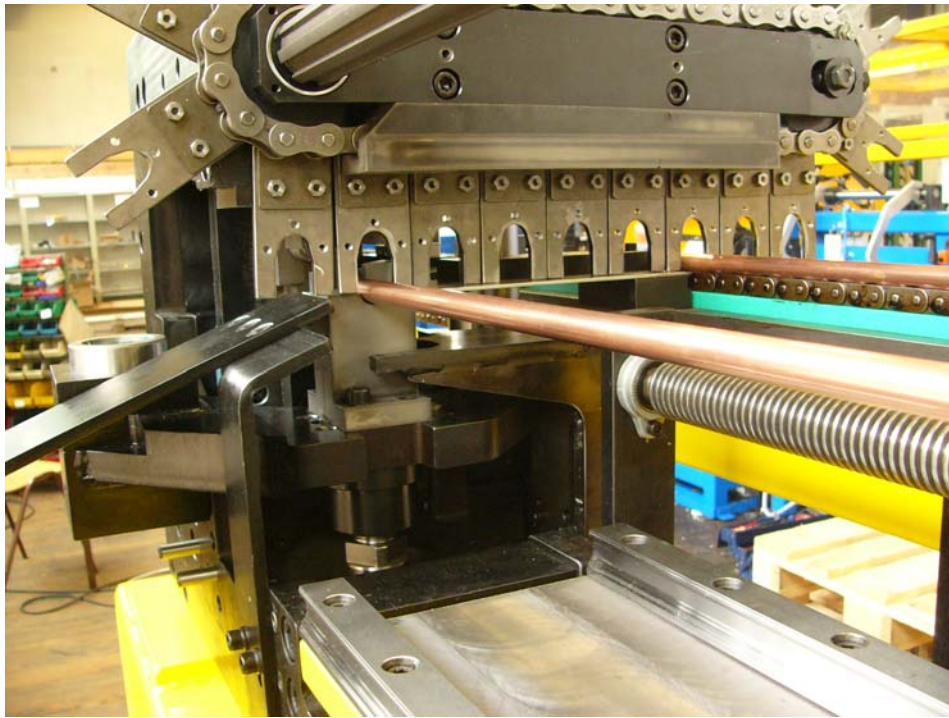
The adjustment of different tube lengths is done via the display and is realized automatically via a servo drive.

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End conditioning machine with supplying unit



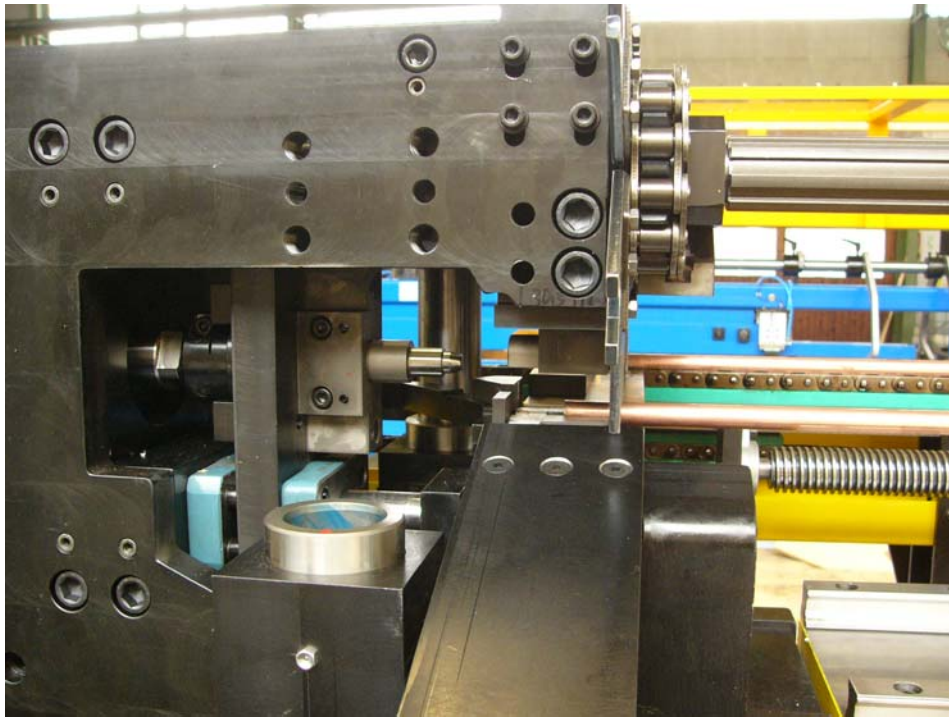
End conditioning machine (chipping) with working unit



End conditioning machine interlinked with tube cutting machine RTA 35 – tube supply from a coil



Tube cutting machine RTA 35 with straightening section - supply via coil - as well as interlinked with end conditioning machine



"Inner parts" of an end conditioning machine (gathering) with working piece stamp



Treated tubes with strong inner chamfer



Gathered tube ends –
done with an end
conditioning machine