

MAZZOLA ENGINEERING

Mechanical Engineers & Consultants since 1976

New concept of Strip Accumulator developed

MAZZOLA ENGINEERING has launched a new, advanced series of its Continuous Coil Feeder.

After completion of an extensive R&D effort, the newly conceived CR series of the well-proven CCF has been brought on the international market, confirming the company's commitment to continuous design improvement with the application of the most advanced technologies.

The original strip accumulator design dates back to 1979 and has since undergone many upgrades based on user's suggestions and comments. The machine, built in Switzerland as well as in Italy, the USA and Japan under license agreements has been extremely successful with over 300 units on the floor worldwide. During the years, competitors have taken over the basic operating principle and developed similar equipment. The original design remains still valid after almost 25 years thanks to its simple, rugged construction and reliable operating performance.

After carefully monitoring the recent advances in tube production employing more flexible, very-high speed mills requiring reduced set-up time, MAZZOLA ENGINEERING found that, in some instances, a new approach to strip feeding had to be considered to optimize efficiency of the most advanced tube mill lines.

The company's engineering department was confronted with the task of developing a complete new concept while maintaining the basics of the original, successful product: simple, rugged construction with few moving parts as well as an operator independent automatic control.

The result is a series of machines capable of handling strip of ferrous and non-ferrous strip materials in the range of 30 to 1200 mm (1.2" to 47") width and 0.4 to 12.7 mm (0.015" to 0.5") thickness featuring the following main advantages:

- **The strip is loaded on a static construction instead of on a turning table**
- **Variable load - strip load can be varied "on the fly"**
- **Variable speed - system (and therefore loading speed) independent from the mill**
- **Anytime/Any functions automatic control**
- **15% increased efficiency over the standard CCF**

The new design maintains the original, well-appreciated features, including:

- Simple, generously dimensioned construction with even less moving parts compared to the standard CCF
- Built-in ease of maintenance
- Trouble free, automatic operation
- Flexible layout capability

- No need for civil construction work (no foundations required except for the models handling very heavy strip).

The new CR series accumulators can be equipped with DC as well as with AC motors and can be fitted to any entry line. Even in connection with older, lower-speed production lines the investment can be recovered within less than 2 years.