

Coil Feeding Equipment for Stamping



Arguably, one of the many significant developments of the twentieth century in the metalforming industry was the introduction and wide spread use of coiled stock to feed stamping presses. Modern coil handling and feeding equipment has dramatically increased efficiency and throughput, and it has also had the side benefit of eliminating the drudgery and hazards of hand feeding. Coil handling and strip feeding machines eliminate the need to lift and handle heavy bars and bundles of steel, as well as breaks the physical contact between humans and the stamping press, and therefore, can legitimately be considered a safety device. It has also simplified die design by eliminating the need for positive stops in the die.

There is a wide variety of coil feeding methods in use today. The type of equipment that is chosen will determine how much valuable floor space will be required to house it and to a certain extent, will determine how versatile and productive a stamping system will be.

There are many important considerations in selecting a system that will best suit the requirements of any application. Some of those considerations include purchase price, operating costs, coil weight, range of material width and thickness, feed length and speed requirements, material finish, floor space available and compatibility of controls, to name just a few. The following pages will attempt to shed some light on these and other important considerations. It must be noted that there is an infinite variety of equipment and ways in which it can be configured, with many customized systems that are designed to meet a specific application. This volume covers the most commonly used methods.

