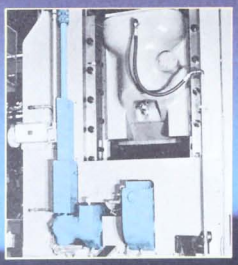
Precision cold forging processing and transfer technology are effectively combined for conserving resources and energy.

The necessity for conserving resources and energy is presently being emphasized the world over. As a result, cold forging processing is replacing cutting processing faster than ever. Along with this tendency, there are intensified requirements for suitable presses for high-speed and concentrated production with high precision. In addition, there are increasing demands for transfer processing to produce products which cannot be produced by a single-punch process. Responding to these demands, AIDA, with rich experiences and technical achievements in the cold forging field, has developed and produced the . . . . .

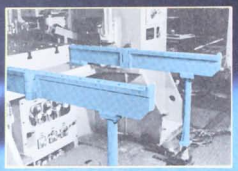
"CFT" SERIES
COLD FORGING TRANSFER PRESSES

1. Consistant product precision with uniform quality.
2. Material flow is smoother by continuous processing and strength is improved.
3. Storage space for semifinished products is reduced.
4. Safety enhanced because of automation and setup time is drastically shortened.



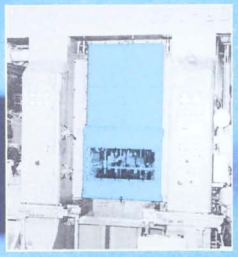
◀Unique Transfer Mechanism

Because it is completely different from transfer processing of sheet metals, the timing of punch upstroking, knockout stroking, and transfer motion for automatizing cold forging processing is a critical problem to be solved. Timing adjustment of the lower knockout, however, makes transfer processing possible. Two-dimensional, three-dimensional, and grip transfer mechanisms are optionally availble.



◀Easy Die Changing

Better precision is obtained with the lifter equipped with a side guide (option). Thus improved work efficiency. Further, the common plate clamper and feed bar lifter (Aida patented optional) facilitates feed bar replacement, and die changing time is greaty reduced.



◀Pollution Countermeasures

The press is equipped with a treatment device (Aida patented option) for dust and smoke produced from heat, a bonderizing treatment, and a die cooling lubricant. The sound proof door (Aida patented option) protects the operator from fatique caused by the resultant noise of continuous processing.

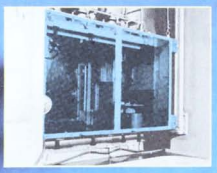
● Improved product accuracy and longer die life are results of minimal slide inclination caused by eccentric load.

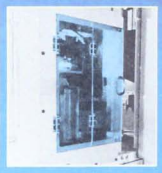
● Die and Feeder Safety Maintained Easily

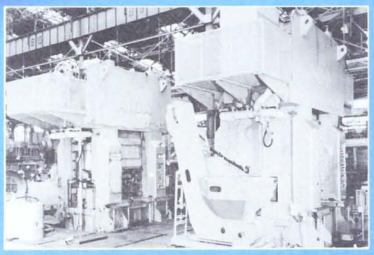
A broken punch detector can be installed at the idle stage for early detection of die damage. The idle stage is also used to absorb heat generated during processing which helps to prolong die life.

▼Worker Protection

Safety shutters on the front and both sides of the press protect workers from damaged die fragments.







● Smooth Material Feeding, Product Removal, and Scrap Disposal

Materials are fed either by orientation feeder or parts feeder while supressing noise and preventing scratches on the materials. A right-side-up detector for slugs is also available.