

## REVOLUTIONARY TECHNOLOGY OF LINK LEVER TRANSFER

Versatility in the number of stations, idealized slide travel, Blank&Cup with external slide, extractions in line with tool requirements, all to enable the finished component to be made with maximum productivity, efficiency and precision.



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WE WORK BEST UNDER PRESSURE

LINK  
LEVER  
TRANSFER 



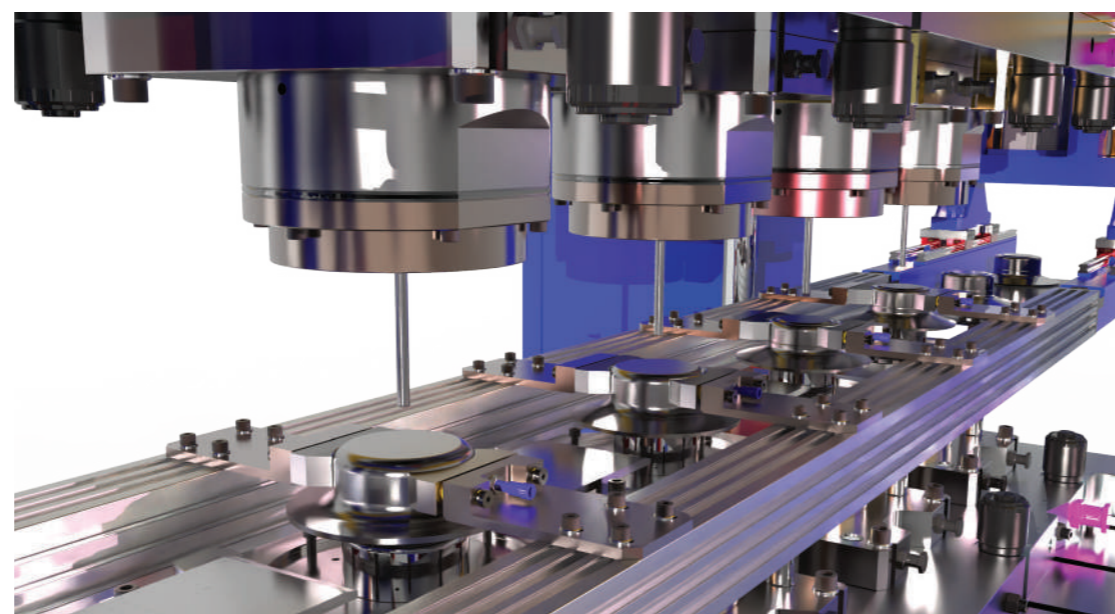
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## LINK LEVER TRANSFER

This is an four-arms lever system allows to solve several problems regarding, stamping, blanking, drawing and tapping.

Increases tool life and Increases the productivity.



## MAIN FEATURES

Cold forming of sheet metal for the production of whole range of parts is performed in multiple stages, at the end of which the finished component is obtained. All these individual phases are performed either with conventional systems through manual secondary operations or else, where possible, via complex progressive dies in which the part is carried in the required sequences from the initial stock strip. Obviously such methods have considerable negative impact in the first case [highly labor intensive] and in the second case [higher consumption of materials], as well as on the final cost of the component to be produced. In fact there are many operations to be performed and in each of them the production rate depends on the time required to carry out the various operations manually.

The transfers of semi-finished blanks necessary when passing from one operation to the other have an effect on the cost sometimes equal to that of forming the part. With multiple punch presses different stamping/manufacturing operations can be performed simultaneously in just one press cycle. These multiple presses are commonly known as TRANSFER presses because the semi-finished parts are transferred automatically from one operation to the next within the same production unit by a special mechanism appropriately known as TRANSFER. Hence the TRANSFER press is a fully automatic machine in which the operator's job is limited to loading the initial work material. The TRANSFER presses are normally provided with tooling no more complicated than that used on conventional presses. As a single operation can be subdivided into two or more stages, the individual TRANSFER tools are often less complex but more rugged while their maintenance is easier.

The considerable saving to be gained from such advantages can be summed up as follows:

- Saving on valuable floor space; a single transfer press can replace as battery of single presses.
- High production rates typical of to fully automated coil-fed system
- Less scrap compared to progressive dies
- Easier maintenance. Another major feature of transfer presses consists of the fact that the movements required to carry out the functions performed by the die can be incorporated in the press itself, without the need for springs, pneumatic pads or other indirect methods.

## OUR OWN TECHNOLOGY

The process we have internally designed and developed for the production allows our transfer presses to achieve a deep drawing of the parts starting from both brass and steel strip. The production has never been so fast!

## BENEFITS OF OUR EXCLUSIVE TECHNOLOGY

Thanks to the Invernizzi Presse's cutting-edge technology you will be able to make various range of product, allowing you to obtain maximum precision with more rationalized production costs.

### + PRODUCTIVITY

Our high-performance equipment and advanced software increase daily productivity of small and medium-sized ammunition over other conventional production lines.

### - PRODUCTION TIMES

Less machines needed for each production resulting in a major rationalization of manufacturing times.

### - WASTES

Invernizzi Presse is able to offer the best option for waste optimization with the possibility to provide also customized solutions. Get the most out of the least!

### + RELIABILITY

Reducing the number of necessary machines significantly means reducing the risk of anomalies and/or malfunctions. The top quality standard of Invernizzi presses is an added value in terms of reliability.

### + ENERGY EFFICIENCY

Optimization of the production process with no intermediate annealing and heat treatments or cost of fluid disposal.

### + INNOVATION

Always keeping up with the times; all of our machines can be integrated in a 4.0 environment.