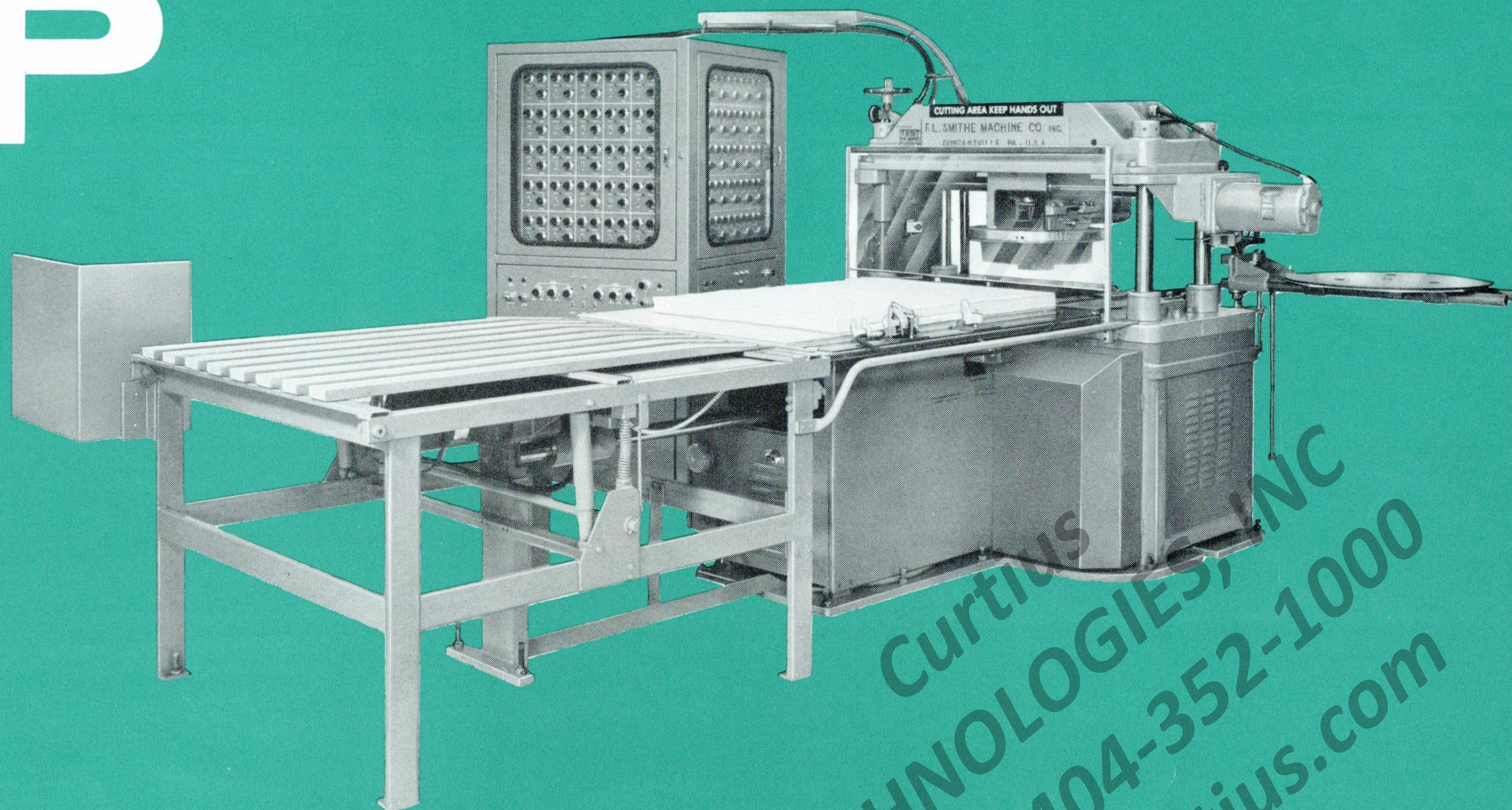


PHP



CHAMPION AUTOMATIC PROGRAMMED DIE PRESS

The fully automatic Programmed Hydraulic Die Press PHP represents a major advance in envelope die cutting. It gives vastly increased daily output of accurately cut blanks from pre-printed as well as unprinted sheets. The PHP operates by means of programming to automatically cut a complete lift of paper in one cycle. Programs can be set to any layout desired, whether new or previously used on conventional die presses. Cuts can be made at any angle and in any sequence desired. A number of your standard layouts — up to 50 positions — can be stored at one time in the panel console, to be brought into use when desired by simply flicking switches. Changeover is therefore surprisingly quick, and it is further helped by use of a special die-support table which moves

under the ram to raise the new die into place. This table also provides safer die-handling.

One relatively unskilled man can safely and easily operate the PHP. The cutting board of the PHP is loaded with a lift of paper and firmly held by powerful hydraulically operated clamps. The operator sends the machine through a complete cutting cycle by simply pulling the starting switch. While the machine is cutting, he is free to strip out a previously cut lift that has been transferred to a stripping table. The entire concept of the machine is centered around a one-man operation. The PHP features high production; depending upon the number of cuts in the layout in use, the PHP Machine is capable of producing in excess of 1,000,000 blanks in an 8 hour day.

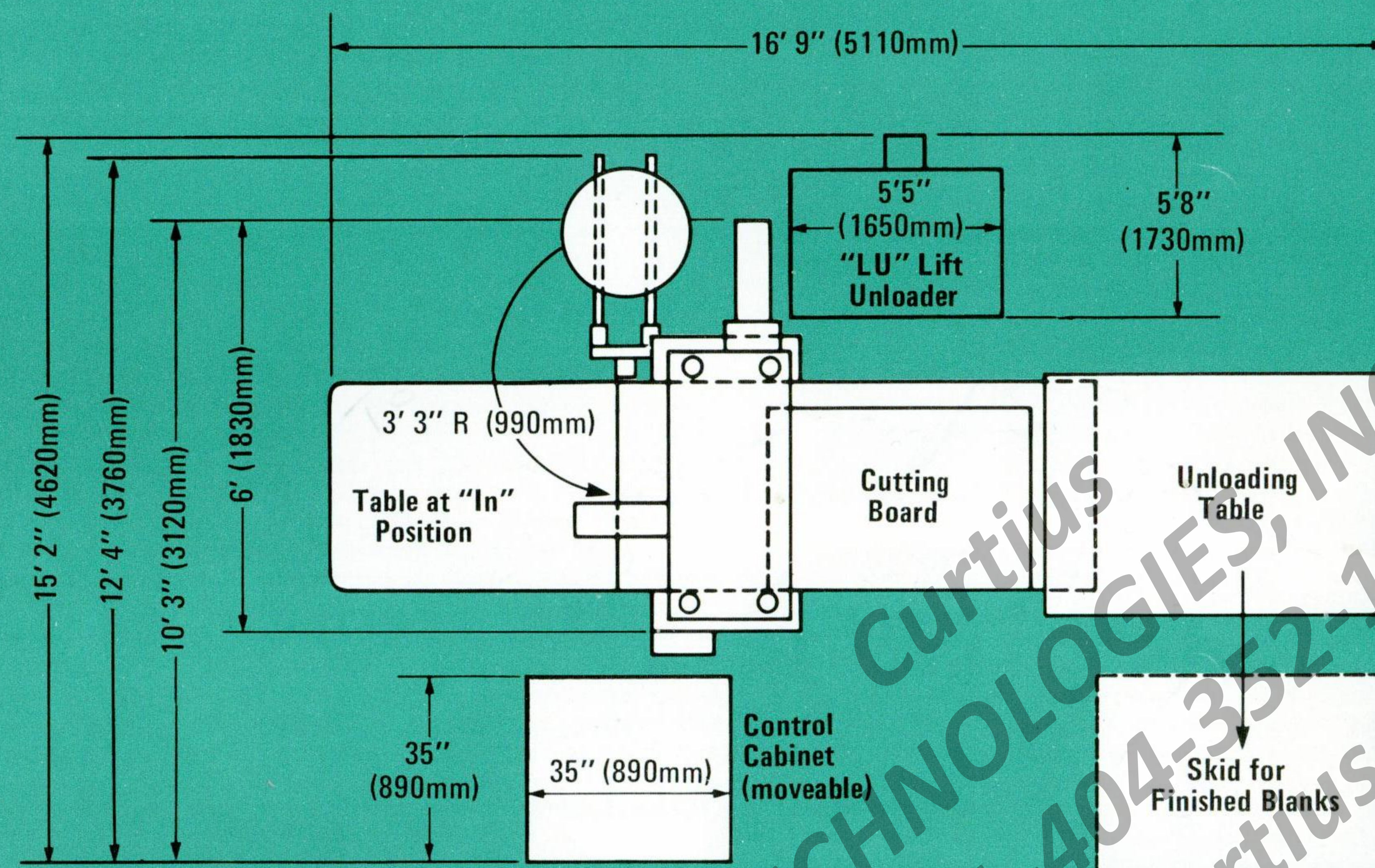
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FEATURES • PHP

- Quick size changeover.
- Program is easily generated at the machine **without** calculations.
- Solid state electronic circuitry in modular form.
- Programs can be expanded or shrunk to compensate for sheeting errors.
- Hydraulic blank ejector inside the die has adjustable pressure.
- Pre-printed (lithograph) work, as well as large dies of many shapes and styles, can be handled with ease and accuracy.
- The PHP eliminates the painstaking skills necessary for lithograph die placement.
- **One man operation.**
- Numerous safety features include automatic shut-offs.
- A die-support table provides safe and effortless die installation and/or removal.
- The cutting stroke of the press has a variable speed control to minimize die-flare by compensating for varying die-edge and paper characteristics.
- Most machine operator skills normally needed in die cutting are eliminated, vastly simplifying operator training.
- The PHP in combination with the labor saving Automatic Lift Unloader LU gives very high volume production.
- Minimum floor space requirements.



FLOOR PLAN



SPECIFICATIONS

Output: In excess of 1,000,000 blanks per 8 hour shift, depending on layout

Ram stroke speed: Variable

Cutting accuracy: 1/64" (0,4mm)

Max. sheet size: 37" x 55"
(940 x 1400mm)

Machine height: 6' 3" (1900mm)

For power requirements, weights and dimensions, see Technical Data Section.