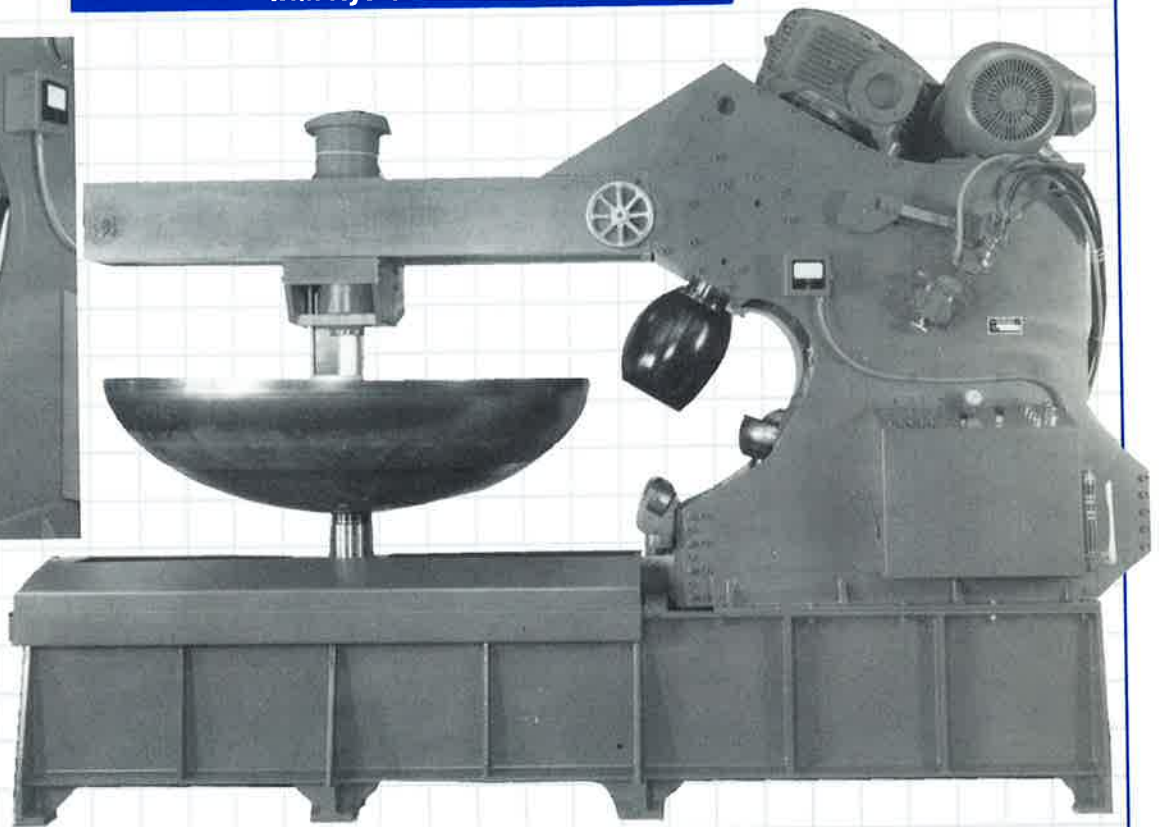


MODEL 10

Flange Spinning Machine with Hydraulic Tracer



GENERAL INFORMATION

The Model 10 is unique, when compared to the other machines we manufacture, because it employs a spinning method to form the work piece. Using a tracing valve, similar to what is used on a profile mill, the Model 10 is capable of automatically following the profile of the upper forming die.

The operator retains full control of all phases of the forming process; i.e., the number of passes, the amount of material to be formed during a single pass, the position and sizing of the work piece, etc.

We have recently added several new features to the Model 10 to increase the operators control over the forming process:

Digital Position Display—allows the operator to position the work piece an exact amount each time, setting up a "process" for each size of tank head. Once the process has been established, the time involved to size the work piece is reduced.

Ammeter—added to the main drive motor, the ammeter gives the operator a visual indicator of the stress being exerted.

Hydraulic Controls—refinements have been made and the carriage drive has been simplified.

CAPACITY

The Model 10 is rated at 1" (25mm) mild steel. But, because of the strength of the thicker materials, the machine is not suited for small diameter work pieces in these thicker materials. For the overall diametric range of the machine, the optimum performance level is at 1/2" (12mm).

Once the operator is trained on the Model 10, the benefits and advantages become apparent.



BLUE VALLEY
MACHINE & MANUFACTURING CO., INC.

Manufacturer of Metalforming Machines
Specializing in Tank Heads, Since 1928

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CAPACITY

The accurate repeatability and speed of operation are superior. In addition, higher straight flanges are another advantage that the Model 10 has to offer.

The Model 10 spin forms the knuckle radius and straight flange on all types of dished heads, from 48" (1220mm) up to 14 ft. (4300mm) in diameter. Using the center attachment and bolting down the work piece, will allow for heads of 24" (610mm) up to 48" (1220mm) diameter, to be formed.

The following list shows the maximum diameter that the Model 10 will achieve for different types of dished heads, in accordance to the 16" (400mm) maximum knuckle radius:

14ft. (4300mm) for Standard dished and A.S.M.E. code heads

138" (3500mm) for Torispherical heads

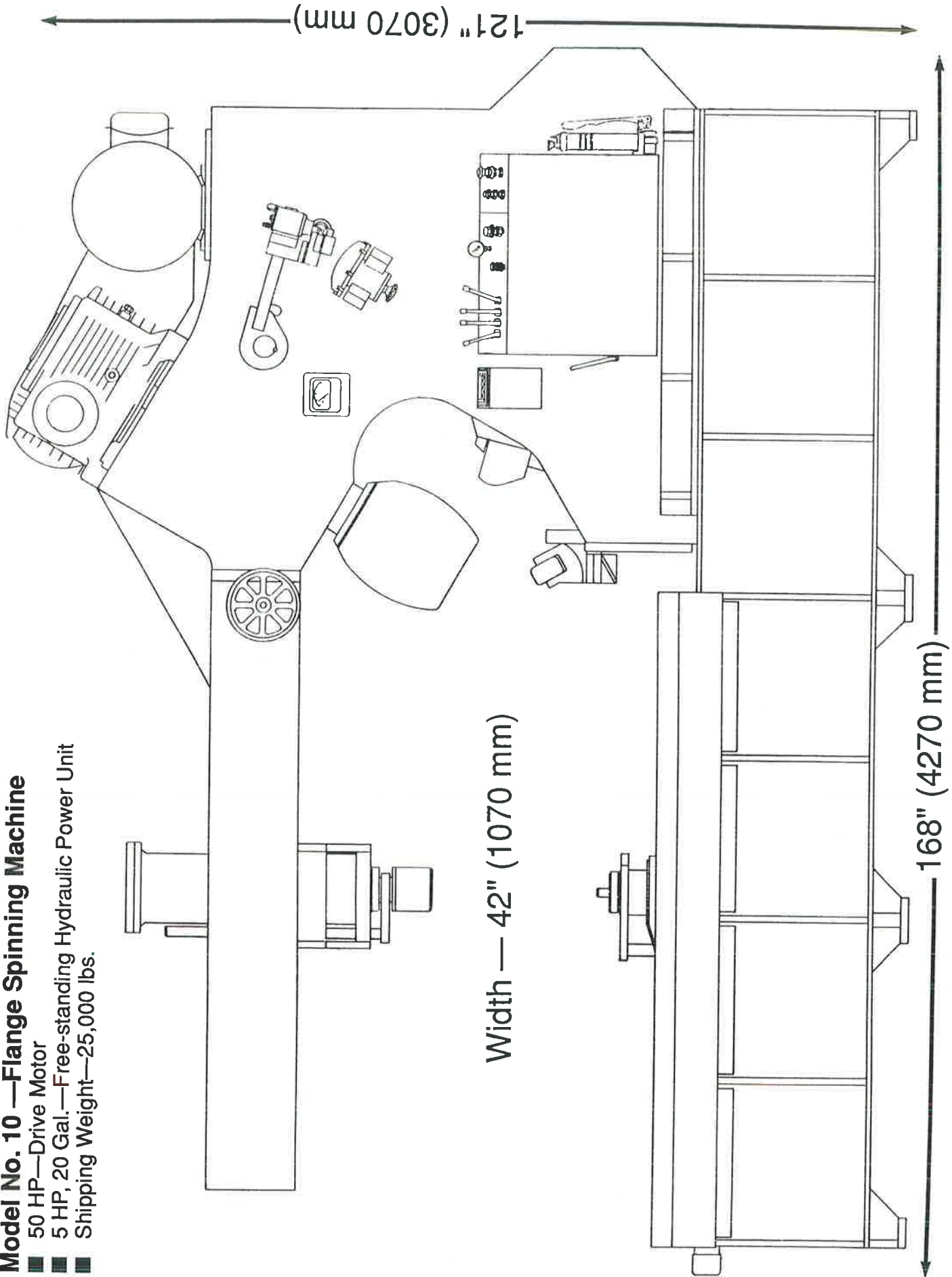
100" (2500mm) for 2:1 Elliptical heads

Neither flat heads, nor hemispherical heads can be formed on the Model 10.

A center hole is required.

Model No. 10 — Flange Spinning Machine

- 50 HP—Drive Motor
- 5 HP, 20 Gal.—Free-standing Hydraulic Power Unit
- Shipping Weight—25,000 lbs.



Width — 42" (1070 mm)

168" (4270 mm)

121" (3070 mm)