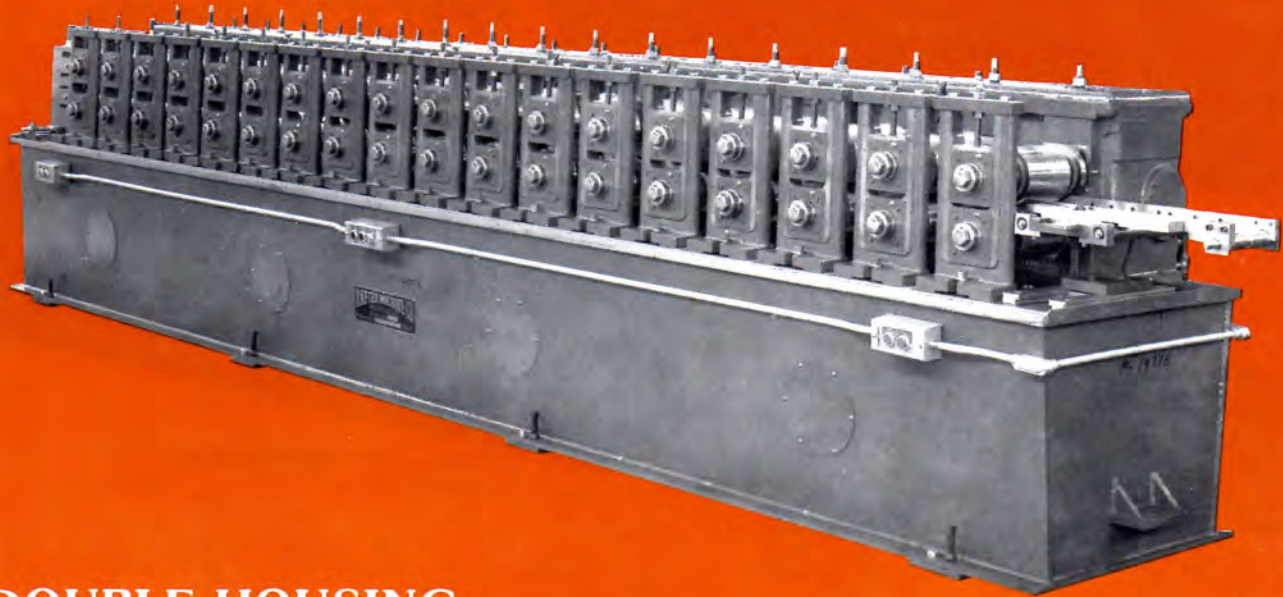


Rafter Machine Company

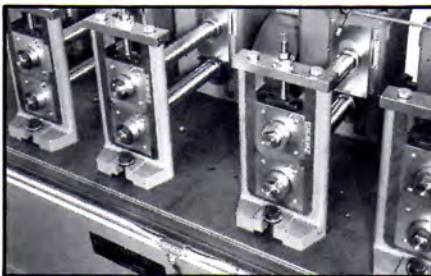


DOUBLE HOUSING ROLLFORMING SYSTEMS

Rafter Double Housing Rollformers are of unit construction, with two pairs of spindles per head.

Design features include:

- **Base** - Constructed of heavily ribbed steel plates, securely welded water tight for use as a sump for roll lubricant. Large hand hole plates are provided for cleaning.
- **Spindles** - All spindles are machined from heat-treated alloy steel and mounted on heavy duty, anti-friction bearings with no overhung gears. All gearing is



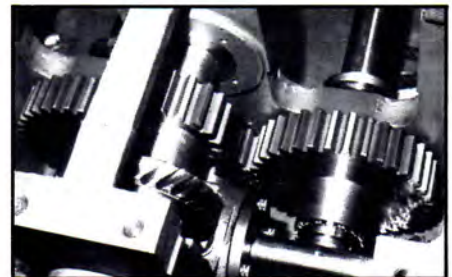
Typical Rafter spindle design

oversized and totally enclosed in an oil bath.

- **Drive** - Patented, balanced gear drive delivers power efficiently to *each pair* of rolls, with a continuous gear ratio reduction from drive shaft to roll shaft. The upper spindles have a unique gear arrangement designed especially for double housing units. This feature allows shorter horizontal centers between spindles, and provides the ability to run pre-cut blanks more effectively. The units can also be spaced for greater center distance if the product requires it. The result is quiet, efficient, reliable machine operation, requiring less power than any other drive available.

- **Quick Roll Change** - When changing rolls, adjustments are made by a single screw, connected with both front and rear bearings. This unique design assures that the shafts *always* remain parallel, and provides the quickest and

most accurate roll changeover possible.

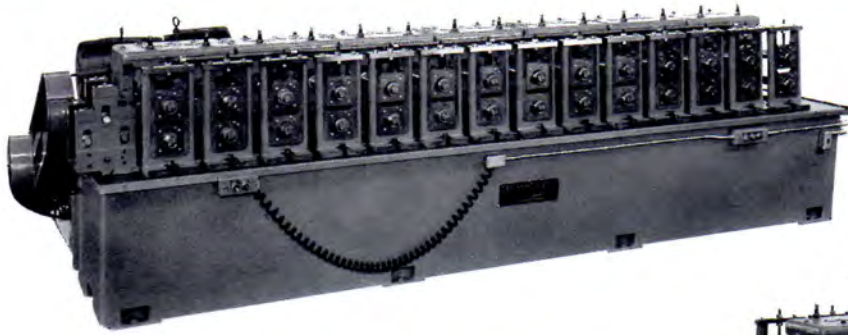


Typical Rafter gearing design

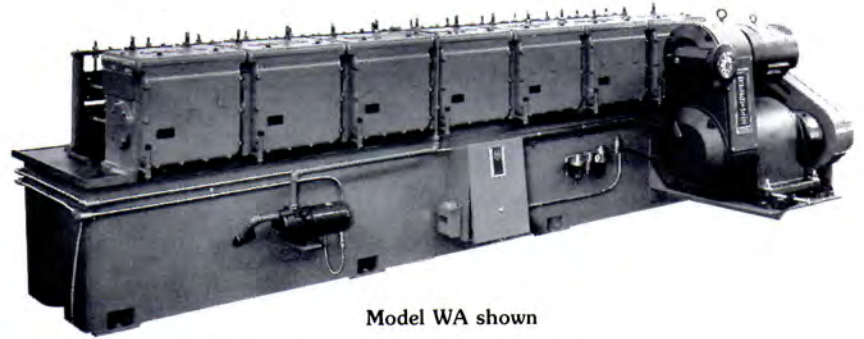
- **Roll Lubrication** - Spray outlets and a built-in pump draw lubricant from the base continuously to lubricate each top and bottom roll, and also the material being formed.

These and other Rafter design features assure the lowest power usage possible, lasting accuracy and reliability, longer roll life, and consistent quality, high production output.

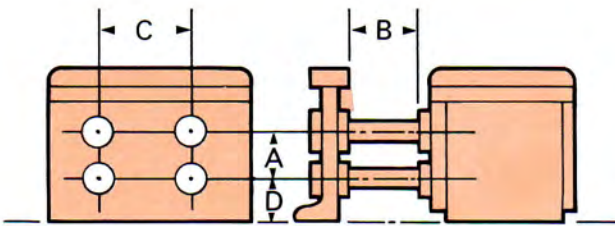
Rafter Double Housing Rollformers...



MACHINE SPECIFICATIONS



Model WA shown



Machine Specifications	Model W1A	Model WA	Model WB
Standard Roll Shaft Diameter, in.	1 ⁷ / ₈ "	2 ⁷ / ₈ "	2 ¹ / ₂ "
Optional Roll Shaft Diameter, in.	1 ¹ / ₂ " , 2"	2" , 2 ¹ / ₂ "	3" , 3 ¹ / ₂ "
Upper Spindle Adjustment (A), in.	4 ³ / ₈ " to 5 ³ / ₄ "	5 ⁷ / ₁₆ " to 7 ¹ / ₈ "	6 ³ / ₄ " to 8 ¹ / ₄ "
Spindle Key Size, in.	5 ⁵ / ₁₆ " x 1 ¹ / ₄ "	1 ¹ / ₂ " x 1 ¹ / ₄ "	1 ¹ / ₂ " x 1 ¹ / ₄ "
Roll Space (B), in.	8"	12"	15"
Max. Shape Height with St'd. Gearing	1"	1 ³ / ₄ "	2"
Horizontal Center Distance (C), in.	8"	11"	13"
Unequal Gearing Ratio (Max.)	1.722	1.812	2.058
Worm Gearing Ratio	5 to 1	5 ¹ / ₂ to 1	5 ¹ / ₂ to 1
Base to Lower Roll Shaft (D), in.	4 ⁵ / ₈ "	5 ⁵ / ₈ "	6 ¹ / ₄ "
Horsepower (10 head machine)	15 HP	30 HP	40 HP
Maximum Strip Thickness, in. *	.062"	.125"	.187"

* Capacity determined by number of bends.



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