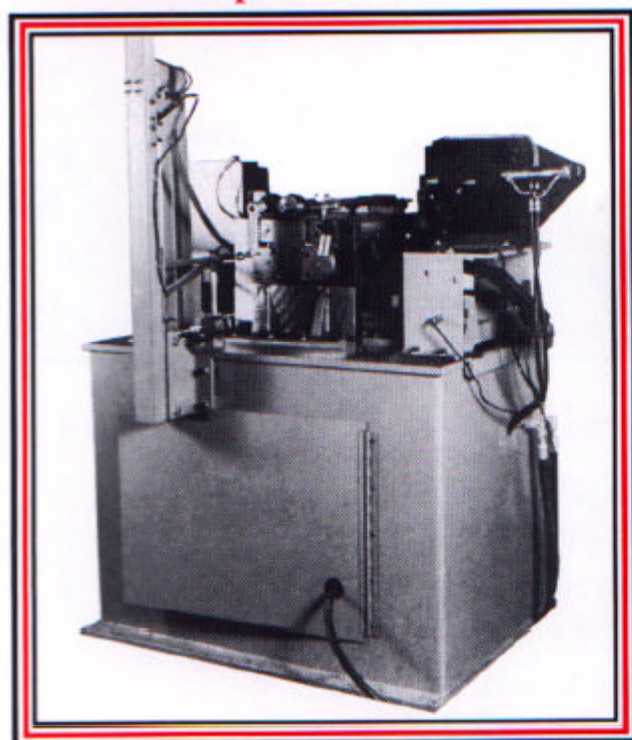


UTE Straight-O-Matic®

MODEL 300 STRAIGHTENING SYSTEMS FOR CYLINDRICAL PARTS AND SHAFTS AT HIGH RATES-TO CLOSE TOLERANCES

Model 300 Special



MANUAL OPERATION

Parts to be straightened are placed between the upper and lower rails. When the machine is started, the head lowers an adjustable amount by hydraulic pressure, overbending the part. At the same time, the lower slide moves forward rotating the part, the pressure decreases to zero by the end of the stroke, and the part is straight. Parts may be unloaded from the back of the slide or from the front after the slide has returned to the starting position. The straightening cycle takes four to five seconds. The number of upper and lower rails and their positions may be varied according to the characteristics of the part.

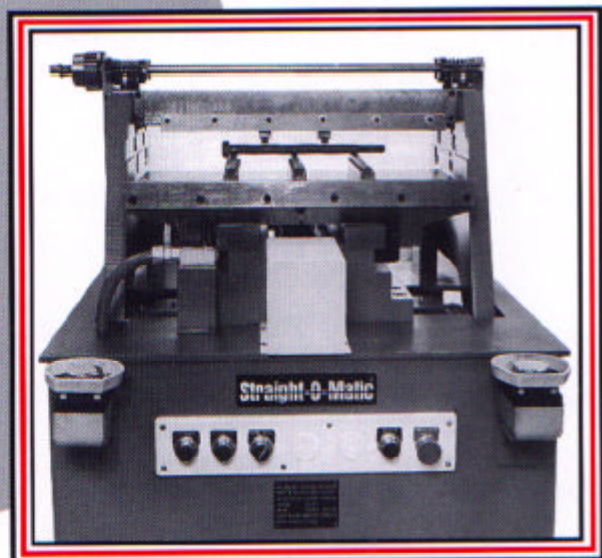
As an accessory to the Model 300, UTE Straight-O-Matic offers a magazine loading and automatic unloading device which enables the Model 300 to run continuously. The magazine automatically places parts in position for straightening; then at the end of the cycle, arms at the back of the machine unload each part and drop it into a container. A steady production rate of 900 parts per hour can be achieved.

FULLY AUTOMATED FOR HIGH VOLUME PRODUCTION

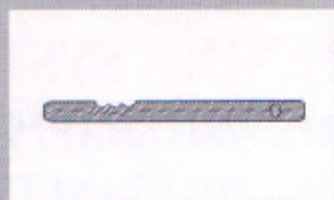
The Model 300-S machine offers full automation with a pick and place loader, and automatic unloading to straighten parts at production rates up to 1,600 pieces per hour.

In place of linear rails, the bottom slide of the 300-S machine is equipped with special rails with roller nests into which the parts are automatically placed, so the slide can travel less distance at a higher speed. The roller nests also have the advantage of enabling parts with several different diameters to be straightened. Parts can be delivered to the pick and place loader by tracks, magazine loaders, vibratory bowls, or other orienting systems.

Model 300



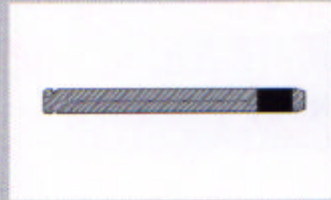
STRAIGHTENING EXAMPLES



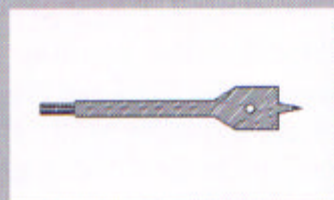
Transmission Shaft



Throttle Shaft



Axle Shaft



Spade Drill



Valve Stem



Crank Shaft

MACHINE SPECIFICATIONS

Capacity:	Length to 24" (610mm) Diameter 1/8" to 3/4" (1.5 to 19mm)
Production Rate:	Model 300 - 500 to 900 Parts Per Hour Model 300-S - 1,600 Parts Per Hour
Physical Description:	Model 300- 6' x 6' (2.8 x 2.8M) Weight 3,500 lbs. (1,590 kg) Model 300-S - 8' x 8' (3.8 x 3.8M) Weight 4,000 lbs. (1,800kg)
Electrical:	230/460 Volts 3 PH, 60 HZ, Controls 115 Volts Allen Bradley P.C. Fused Disconnect
Pneumatic/Hydraulic:	60 PSI (4 Bars) Hydraulic Unit - Model 300 10 HP, 20 Gallon (75 L.) Hydraulic Unit - Model 300-S 30 HP, 60 Gallon (230 L.)

Machines can be quoted with feeders and other types of automation.
These machines are patented under the following numbers: 4488, 423 • 4624, 123.

UTE Straight-O-Matic®

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