



South Bend Screw Cutting Engine Lathe No. 29—11-inch Swing, 5-foot Bed
Equipped with Automatic Longitudinal Feed and Power Cross Feed

NO. 29—11-IN. SOUTH BEND LATHE

FITTED WITH AUTOMATIC LONGITUDINAL AND POWER CROSS FEEDS

The No. 29 Lathe will be found very practical in tool making where sensitive, accurate work is required. It will also be found very efficient in light manufacturing and the turning out of duplicate parts.

Bed is rigid, cross ribbed by braces cast in at short intervals its entire length. Has three V's and one flat way for the front guides of the head and tail stock. The rack attached is of steel, one piece, and cut from the solid bar.

Head Stock is equipped with improved reverse, cone has three steps for 1¼-inch belt, which, with back gears, gives it six changes of spindle speeds. Spindle is of special carbon steel, accurately ground, and has a ⅝-inch hole its entire length, heavy bronze boxes fitted with adjustment for wear. Centers are No. 2 Morse taper.

Tail Stock is offset to allow compound rest to swing parallel to bed. It is provided with set-over for turning taper. Tail stock center is self-ejecting.

Carriage is strong, with wide, deep bridge; has T slots for clamping work for milling and boring; has both power cross and

automatic longitudinal feeds, which are operated from the front of apron and so arranged that only one feed can be engaged at a time. Both feeds are driven by a splined screw and worm so that the thread of the lead screw is used for screw cutting only. Tool post will take tools ⅝x⅞.

Thread Cutting. Lathe is indexed to cut standard threads from 4 to 40, right or left, including 11½ pipe thread, and by compounding the gears furnished, many other threads may be cut.

Graduation. The compound rest is graduated in degrees. The cross feed screw has a graduated micrometer collar reading in one-thousandths of an inch.

Equipment shown in cut includes large and small face plate, plain or compound rest, two steel centers, center rest, change gears and adjustable stop for screw cutting, necessary wrenches, and foot power or double friction countershaft.

Regular equipment, as illustrated under lathe, is included in price.

No. of Lathe	Length of Bed	Distance Between Centers	Swing Over Bed	Swing Over Carriage	Hole Through Spindle	Diameter of Spindle Nose	Weight on Skids	Countershaft Pulleys	Countershaft Speed	Price Plain Rest
29	4 ft.	24 in.	11¼ in.	7⅞ in.	⅝ in.	1½ in.	550	7x2 in.	225	\$118.00
29	5 ft.	36 in.	11¼ in.	7⅞ in.	⅝ in.	1½ in.	600	7x2 in.	225	125.00
29	6 ft.	48 in.	11¼ in.	7⅞ in.	⅝ in.	1½ in.	650	7x2 in.	225	132.00

Extras. The No. 29 Lathe may be supplied at extra cost with—raising blocks so lathe will turn and bore 14-inch swing, taper attachment, oil pan, and gear guards. Extras (except oil pan) are interchangeable and may be attached after the lathe has left the factory.

Compound Rest—\$12.00 Extra.