

BUILDERS OF:

- TURNMASTER LATHES
- MASTERTOOL HORIZONTAL MILLS
- MASTERTOOL VERTICAL MILLS

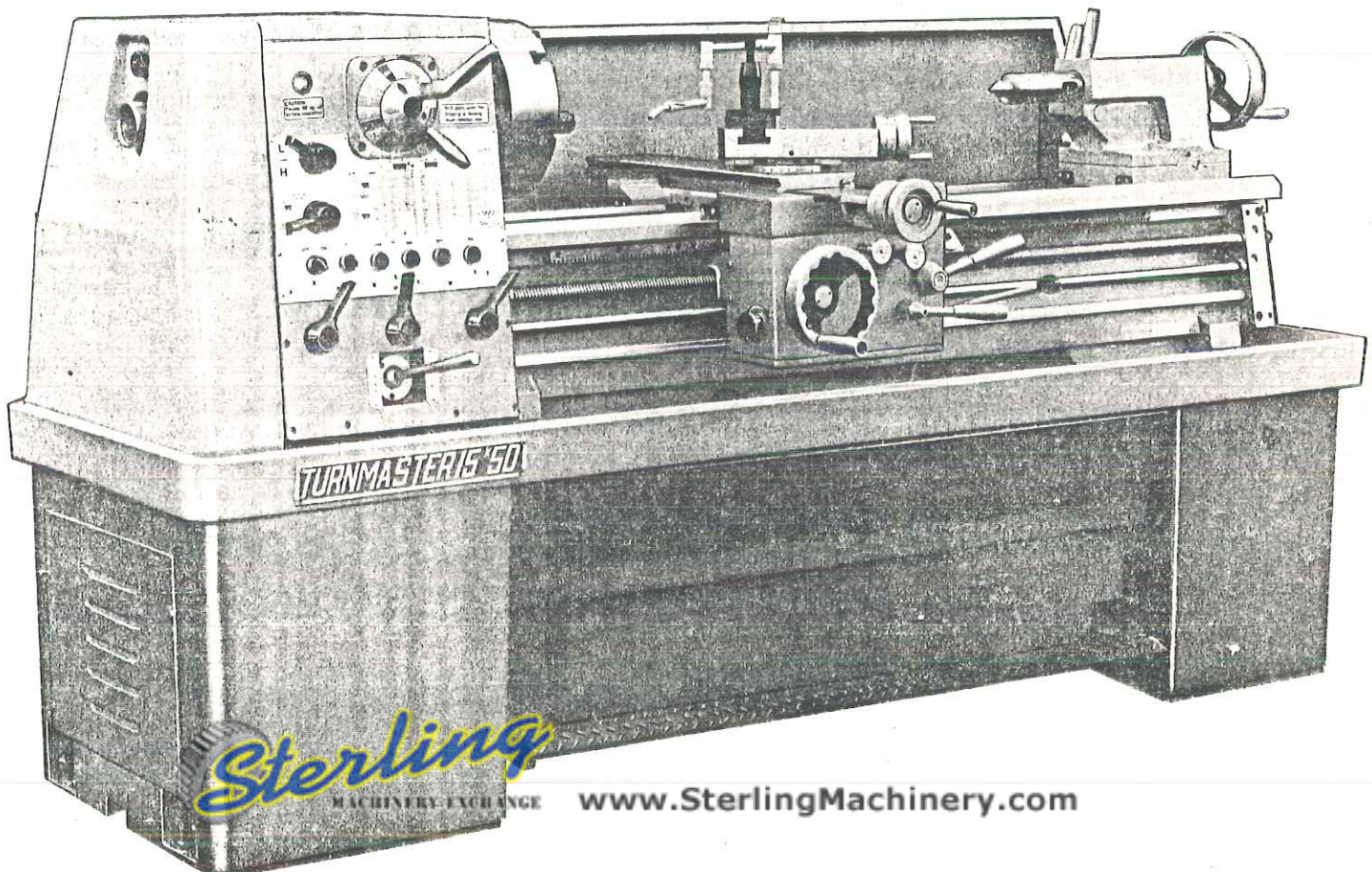
AMERICAN MACHINE TOOL COMPANY

PLANT -

P.O. BOX 4968/1010 EAST CARSON, CARSON, CA 90749 U.S.A. (LOS ANGELES SUBURB)
(213) 518-1164 TOLL-FREE (1-800) 421-2107 TELEX 181098

1. All Turnmasters are produced exclusively with high Meehanite castings.
2. Gears and shafts are produced by the Maho Corporation of Japan. (Induction hardened and ground.)
3. All bearings are manufactured to Timken Specifications.
4. Apron Clutch and all springs are American made.
5. Electronics from Mitsubishi of Japan. As option, we can install Westinghouse or Allen Bradley U.S.A.
6. Headstock Clutches are manufactured by the Matrix Corporation of England.

We encompass higher production and longer life accuracy in our machines by advanced design; brought about through direct contact with industry. A machine to handle more jobs at less cost.



FEATURE

BENEFIT

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| 1. All cast iron structure. | Heavier, cast material dampens vibration, resulting in more accuracy and quieter operation. |
| 2. All geared headstock made of induction hardened and ground metal <i>Not</i> flame hardened gears. | Ground gears run longer, quieter, and mesh better. |
| 3. Spindle bearings are taper roller. | They are adjustable and allow heat to escape easier. |
| 4. Spindle Cam Lock. | Cam Locks have become standard of industry so tooling accessories are readily adaptable and accessible. Chucks mount easily and alleviate the danger of spin-off. |
| 5. Universal Gear Box. (Some machines have as many as from 3 to 17 needed gear changes to attain a full range.) | Full range of feeds and threads attainable without need of gear changing. Saves time, no chance of losing and replacing lost gears. |
| 6. Induction hardened and ground bedways. | Evenly ground bedways provides smoother running surface than scraped ways. |
| 7. Separate feed rod and lead screw. Lead screw is used only for thread cutting, while feed rod is used only for normal feed operation. (Some machines use a lead screw with a key way which wear unevenly and have no clutch.) | Lead screw is of a thick diameter affording strength, longevity, and elimination of backlash through a thrust bearing and lock nut set-up. |
| 8. Feed rod has clutch and adjustable feed kick-out. | Affords protection and exact repeatability for shoulder work. |
| 9. Saddle runs on separate bedways from tail stock v-way and flat way. Saddle is cast, one piece construction. Has large bearing surface. | Tail stock can move farther up to spindle behind saddle. |
| 10. Crossslide is telescopic, Crossslide nuts are double nut with wedge drive. | Will save hours (4-6) of time setting up and breaking down. Also can mount taper attachment and tracers directly to lead screw. Four times the adjustability, much longer life. |
| 11. Direct Reading inch/metric screw dials are standard on our machine at no extra charge. | Less machining errors. Increased accuracy. |



FEATURE	BENEFIT
12. One shot lubrication for both the carriage and crossslide at one time.	Saves time - easier to lubricate properly and evenly.
13. Adjustable tapered gibs on saddle, crossslide, and compound rest.	Allows smoother operation for longer life.
14. Standard Neoprene rubber wipers on saddle, crossslide, and tailstock.	Keeps chip and coolant from ways.
15. Forward and reverse control for both the spindle direction and the carriage at apron.	Saves time and effort.
16. Pull-out from front chip tray.	Machine requires less space and saves time.
17. Manual foot brake.	Convenience and safety.
18. All controls are low voltage.	Safer to work and less expensive to replace.
19. Camlocking tail stock with positive stop. Quill has tang, and knock-out feature.	No lost wrenches, saves time and won't drop off end of machine. When backed out, will dislodge tool.
20. Both follow and steady rest are roller bearing. (Not brass tip.)	For better finish and less friction on parts.

**ADDITIONAL FEATURES AND BENEFITS FOR
15" and larger AMERICAN TURNMASTER LATHES**

1. Pressure feed lubrication, strained clean, and cooled forced directly into spindle bearings and through all vital points of headstock.	Bearings run cooler, quieter, and have longer life through better lubrication.
2. D-1 6" Camlocking Spindle.	Larger Capacity.
3. 7½" H.P. single speed motor.	More power over conventional 5 H.P. motors.
4. All geared headstock with 16 speeds in geometric progression.	Always operates machine at full horsepower even at lower end for cutting harder metals. (A 2 speed motor only uses half of its rated power on low speeds.)



FEATURE

BENEFIT

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| 5. Adjustable Clutch at Apron. | Kicks out both cross or longitudinal feeds at desired pressure setting for micrometer bed stops, tool point pressure, cutting shoulders, etc. Saves cutting tool replacement costs. |
| 6. A forward and reverse disc clutch in headstock. | Eliminates sudden shocking force on gears in mesh. Gears last longer with less chance of breakage. Can feather clutch for positioning and control Belts last longer. Eliminates need to stop-start motor using less electricity and offers less motor wear. |
| 7. Angle cut bedways in Gap. | Allows larger capacity to turn larger work for those "Special" one-time jobs. |
| 8. Can change gears on feed and threading selector box while machine is running. | Saves time, effort, and electricity. |

These are a few of the features and benefits you will receive with your TURNMASTER Lathe.

AMERICAN MACHINE TOOL COMPANY

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www.SterlingMachinery.com