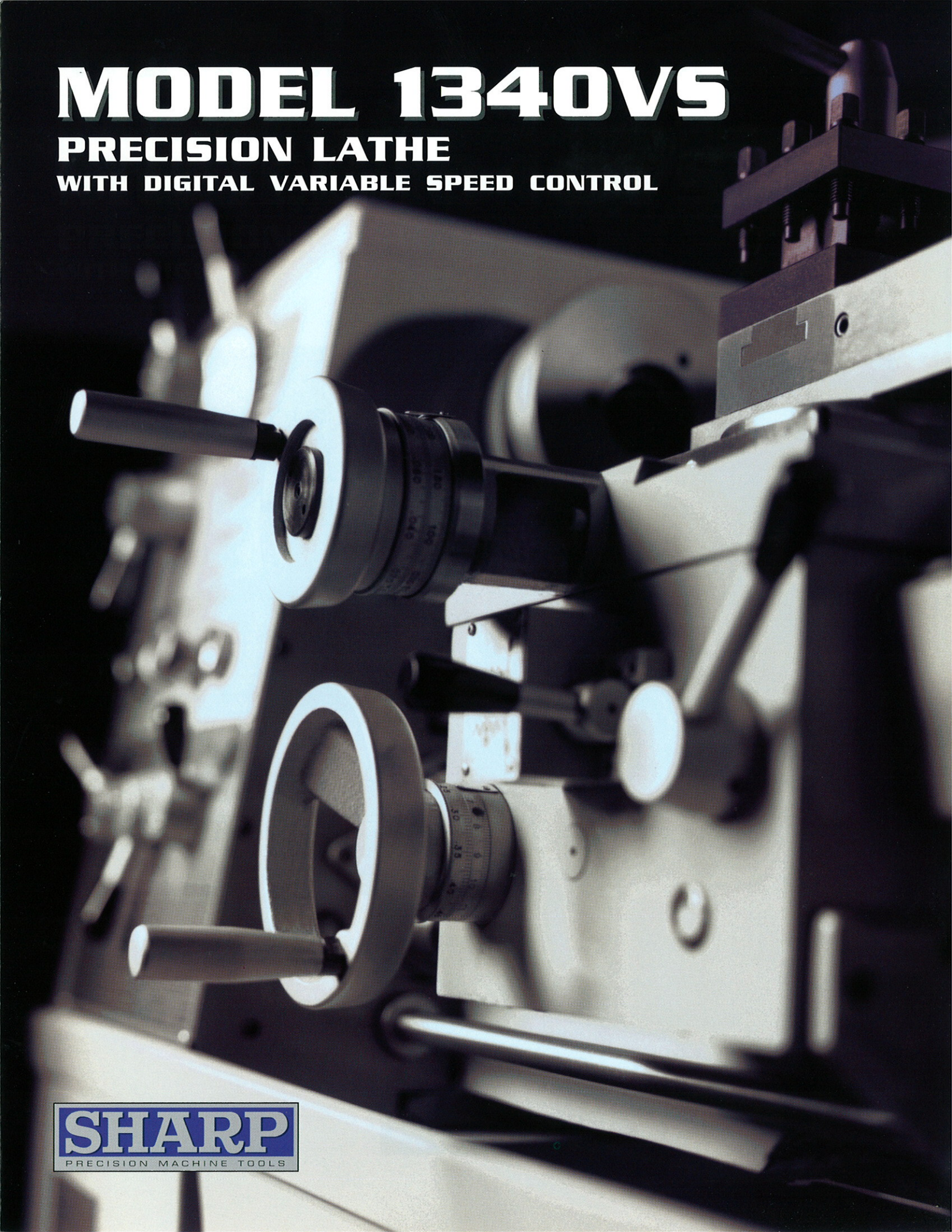
MODEL 1340VS

PRECISION LATHE

WITH DIGITAL VARIABLE SPEED CONTROL



SHARP

PRECISION MACHINE TOOLS

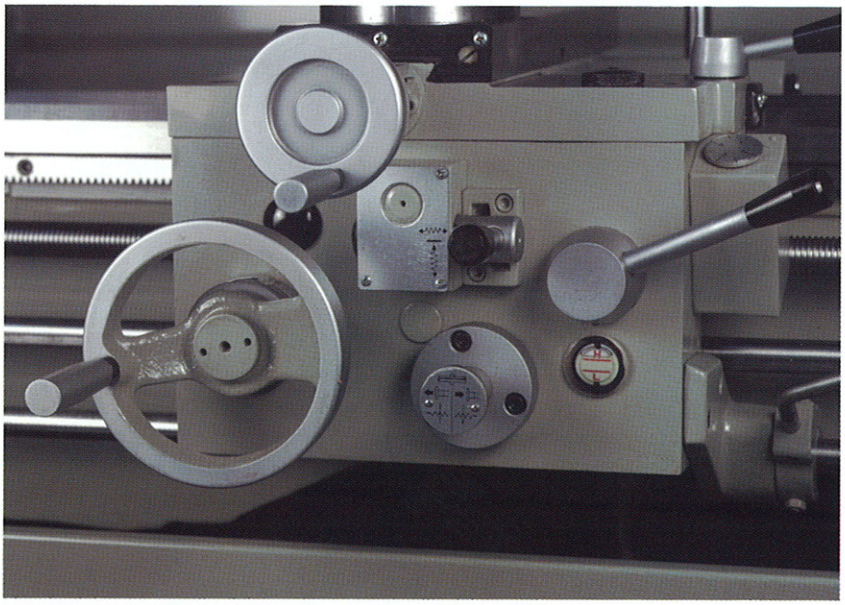
SHARP MEANS END

Sharp is constantly looking for new technology and design to enhance the quality and features of its products. The Model 1340VS is one example. Built from the design of our long time successful model 1340F, the model 1340VS is equipped with variable speed inverter drive and digital display of spindle speeds. Now, the change of speed is simply the turning of a dial, and the number of speeds is infinitely variable. To maintain high torque at lower speed range, the headstock is equipped with 2-step gear change lever. The front panel of the headstock has a jog button for easy engagement of gears. Another new function is the push-pull knob mounted at the front of the apron. This knob controls the feed direction of the carriage, it greatly enhances the ease of operation of the machine. The spindle is made out of forged steel, induction hardened and precision ground for high accuracy and durability. It is mounted on 2 high precision tapered roller bearings offering maximum stability even at 2,000 rpm. The machine can run on single phase or 3 phase electricity.

But there is more to a Sharp than what's in it. One of the best features is the company behind it. Sharp Industries has been furnishing high quality equipment since 1975. We have a full staff of knowledgeable technicians to provide an immediate response to service questions and complete stock of spare parts. We do everything we can to get your Sharp machine up and running and help you to keep it that way.

U R I N G P R E C I S I O N.

With Digital Variable Speed (DVS) control, it takes just a turn of the RPM control knob to change speeds. The jog button allows easy engagement of gears. The enclosed type gearbox design use levers to set different threads and feeds. A wide range of threads, 2-56 TPI (39), and 0.5-12mm (42). covers all common threading requirements.



The apron is equipped with a push-pull knob that controls the feed direction of the carriage. It is also equipped with a clutch that protects the feed mechanism in the event of overload.

FEATURES / SPECS

Features

- variable speed spindle drive with digital display
- hi-Low gear shift for spindle speed, range from 40-2,000 RPM
- hardened and ground gears in headstock
- directional control of carriage feed in front of apron for easy operation
- jog button for easy engagement of gears
- induction hardened and ground bedways for rigid structure
- spindle supported by 2 high precision tapered roller bearings
- carriage equipped with overload clutch to protect gears and screws
- available for 3 phase or Single phase electrics operation
- electrically activated foot brake for quick stopping action
- built-in cabinet for tools storage

Standard Equipment

- coolant system
- splash guard
- 4-way toolpost
- 6" diameter back plate
- thread dial
- foot brake
- center sleeve (MT #5 x #3)
- dead centers (MT #3)
- tool kit

Optional Accessories

- 3-jaw scroll chuck (8")
- 4-jaw chuck (8")
- face plate (12")
- follow rest
- Single toolpost
- micrometer carriage stop
- taper attachment
- live center (MT #3)
- drill chuck
- digital readout system

Capacity

swing over bed	13"
swing over cross slide	8 5/16"
swing over gap	18 1/2"
width of bed	7 1/2"
distance between centers	40"

Headstock

spindle nose type	D1-4 camlock
spindle bore	1 9/16"
spindle speeds	40-2,000 rpm
taper of spindle bore	MT #5

Threads & Feeds

longitudinal feeds (inch per rev.)	0.0016-0.046 (40)
cross feeds - (inch per rev.)	0.0005-0.015 (40)
inch threads	2-56 tpi (39)
metric threads	0.5-12mm (42)
leadscrew diameter, pitch	1", 8 tpi

Carriage

cross slide travel	6 3/4"
compound travel	3 1/2"
apron width	11"
cross slide width	4.5"

Bed

bed length	64"
bed width	7 1/2"

Tailstock

quill travel (graduated)	4"
quill diameter	1 9/16"
quill taper	MT #3

General

motor	3 hp
net weight	1,580 lbs

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