

Southwestern Industries, Inc.

# TRL 1440EX Lathe Specifications with the ProtoTRAK EX Control

## Machine Specifications

- Height of Centers-7"
- Distance between centers-40"
- Swing over bed -14"
- Swing over saddle wings-14"
- Swing over cross slide-7.0"
- Cross slide travel-8.0"
- Tool section max-3/4"
- Coolant tank capacity - 3 gal.
- Width of Bed-8.1"
- Height of Bed-10.6"
- Spindle Nose (Camlock)-D1-4
- Spindle through hole-1.575"
- Spindle taper-MT#5
- Taper in reduction sleeve-3
- Spindle dia at front bearing-2.36"
- Number of bearings-2
- Spindle speed range (RPM)-60-2400
- Standard Tailstock Quill travel-5"
  - Quill diameter-1.575"
  - Quill taper hole-MT#3
- Spindle Motor HP-5
- Power requirements, control-110V; 1P; 8A
- Power requirements, machine-220V;3P;60Hz
- Amps full load current-15
- Dimensions net - 73 x 44 x 57"
- Dimensions shipping - 78 x 49 x 67"
- Weight net – 1,800 lbs.
- Weight shipping – 2,250 lbs.
- Maximum rapid feed X - 100
- Maximum rapid feed Z - 100
- Coolant pump motor -1/8 HP
- Spindle motor brake - Magnetic
- Way surface hardness - 400 – 450 HB
- Head stock lubrication – Splash Lube
- Sliding door for easy set-ups
- Bedways hardened and ground
- Sliding surfaces Turcite coated
- Dovetails on cross slide, V-ways on saddle
- Adjustable saddle gibbs



Machine shown with optional features

## **Machine Options**

- Collet closer
- Chuck
- Coolant pump
- Face plate
- Follow rest
- Work lamp
- Remote stop/go switch
- Steady rest
- Tooling kit

## **ProtoTRAK ELX System Specifications**

**(O) indicates optional feature**

### **ProtoTRAK System Hardware**

- ProtoTRAK ELX CNC
- Two-axis CNC, two-axis DRO
- Electronic handwheels for manual operation
- 7" color active-matrix screen
- Rugged industrial-grade processor
- 1 GB Ram
- 4 USB connectors
- Override of program feedrate
- Override of program spindle speed
- Gasket-sealed enclosures
- USB Thumb Drive Flash memory 512 or more (O)
- Clean front panel with few hard keys

### **Software Features – General Operation**

- Clear, uncluttered screen display
- Prompted data inputs
- English language – no codes
- Soft keys - change within context
- Windows® operating system
- Color graphics with adjustable views
- Inch/mm selectable
- Convenient modes of operation (see below)