

TRAK[®] MACHINE TOOLS



SOUTHWESTERN INDUSTRIES, INC.

VMC TC2

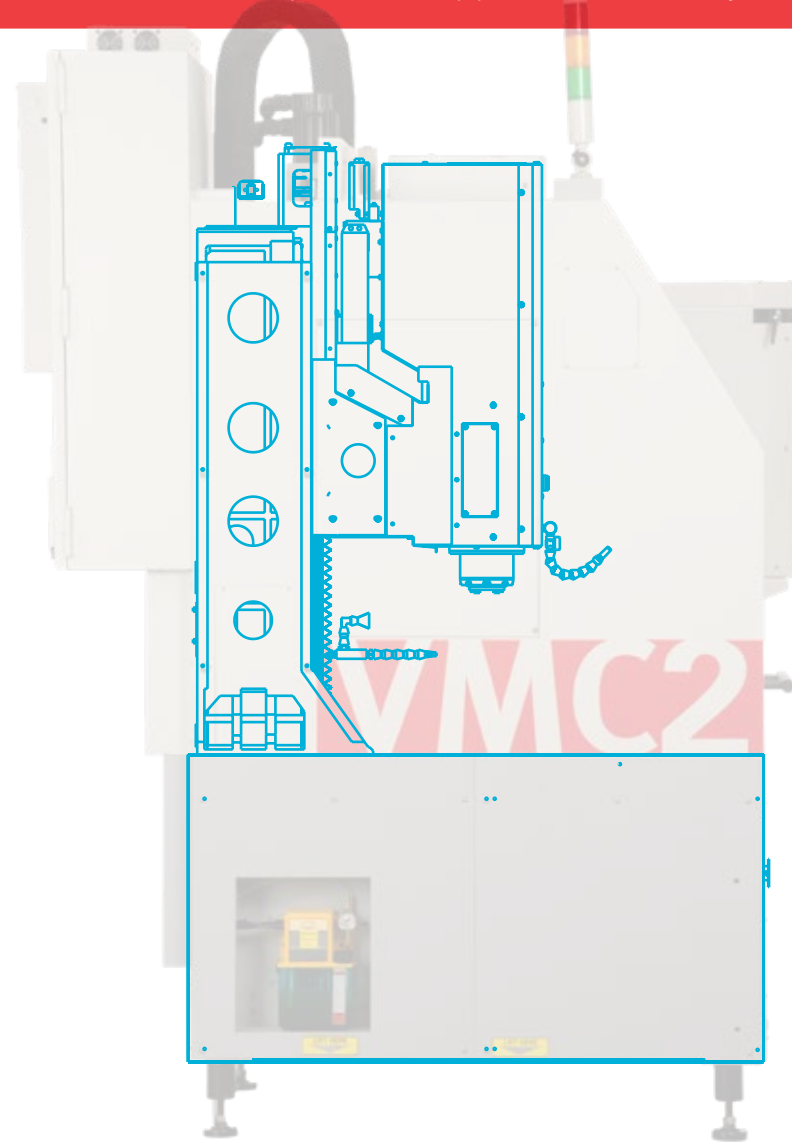


Featuring the
ProtoTRAK CNC

TRAK VMC2

Compact footprint, Generous Capacity, surprising rigidity, and a powerful control all add up to new opportunities for your shop

SPECIFICATIONS



Compact bridge construction, with a short (horizontal) head projection and direct drive spindle.

X and Y-axis linear rails are precision grade and mounted with a heavy preload.

X, Y and Z-axis ball screws are pre-loaded, ground and precision grade.

Tool holders with patented BT30 pull stud to prevent tool holder bulging near the top.

High spindle tool retention force.

Jergens® Ball Lock locations pre-installed

- ProtoTRAK RMX CNC Control
- Conversational Programming - Easy Setup of Simple Jobs
- G-Code Compatible - For Complex 3D Programs
- Surprisingly Large XYZ Workspace - 14" x 12" x 17"

Overall Machine Dimensions:

- 30.5 x 52 x 101"
- 92" min height
- 2825 lbs / 3175 lbs shipped

Table Dimensions:

- 18 x 15"
- 4 tee slots at 63mm
- 500 lb max load
- Ball Locks® w/ 2250 lbs of hold down force @ 35 in/lb of torque

Travel:

- 14 x 12 x 17"
- 20.25" max spindle height
- 2.75" min spindle height
- 14" spindle center to column
- 600 in/min max rapid speed

Spindle:

- BT30 tool holder
- 2.2" spindle nose diameter
- 10,000 max RPM
- 3 hp motor

Automatic Tool Changer:

- 8 tool capacity
- 2" max tool diameter
- BT30 retention knob

Air Requirements:

- 90 psi
- 2.5 CFM at 90 psi
- 10 SCFM

Hardware Features:

- ProtoTRAK RMX CNC
- Three-axis CNC and DRO
- 15.6" LCD screen
- 4 USB 2.0 ports
- Built in LED status lights
- Beacon light
- Spindle speed override
- Coolant pump
- Ethernet port
- 15 gallon coolant tank
- Air blast

Software Features:

- Clear, uncluttered interface
- Prompted data inputs
- Plain language - no codes
- Soft keys change with context
- Windows® operating system
- Inch/mm selectable
- Rigid tapping
- Reference to ball lock locations
- Absolute home location
- Canned cycles: pockets, profiles, bolt hole patterns, etc.
- Indexer compatible

TRAK VMC2 Options

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> • Custom Fit Kurt Vise • Fixture Plate For Ball Lock Locations • Fixture Plate For Vise • Vise Stop • BT30 Tool Holders • 30 Taper Pull Studs • Ball Lock Liners & Clamps | <ul style="list-style-type: none"> • Pallet Jack • Tool Measurement Cart • Memory Option • Auxiliary Output • Remote Stop-Go • DXF converter • Parasolid converter • CAM Out converter | <ul style="list-style-type: none"> • Offline programming software • Voltage change 220v to 440v • Single phase option (reduces HP by 40%) • Indexer ready kit • External Delkin USB drive • MT Connect • Advanced Features w/ Verify |
|---|--|---|



TRAK TC2

Rigid construction and generous capacities make this slant bed lathe ideal for smaller turned parts in lower volume production

SPECIFICATIONS



- **ProtoTRAK RLX CNC**
- **Conversational Programming - Easy Setup of Simple Jobs**
- **G-Code Compatible - For Easy Upload**
- **Hydraulic system integrated into machine body**

Overall Machine Dimensions:

- 80.4 x 36.96 x 75.5"
- 3370 lbs / 3483 lbs shipped

Overall Machine Limits:

- Max. Swing over bed - 12"
- Max. Turned diameter / Length - 8" / 11"

Travel:

- X Axis – direct drive with brake 7.5"
- Z Axis – direct drive 11.40"

Spindle:

- Spindle nose A2-5
- Spindle power 7.5 HP
- Lubrication Grease
- Spindle thru bore 2.40"
- Bar capacity 2.05"

Feed Rate:

- Max Traverse 600 in/min

Turret:

- No. of tool station - 8
- Type - Block – Std.
- Tool max size - 3/4 in
- Tool index / Clamping method - Servo motor/ Pneumatic

Coolant System:

- Capacity - 15.8 gal
- Coolant pump - 1/8 HP

Power Requirements:

- Electrical 208V, 3P, 60 Hz
- Pneumatic, Min. 90 PSI

Ball Screw:

- X-axis Pitch - 6mm
- Z-axis Pitch - 6mm



Hardware Features:

Software Features:

- ProtoTRAK RLX CNC
- Two-axis CNC and DRO
- 15.6" LCD screen
- 4 USB 2.0 ports
- Built in LED status lights
- Coolant pump
- Ethernet port

- Clear, uncluttered interface
- Prompted data inputs
- Plain language - no codes
- Soft keys change with context
- Windows® operating system
- Inch/mm selectable
- G-Code run
- Canned cycles



TRAK TC2 Options

- TC2 High Speed Spindle
- External Delkin USB drive
- Tool Tray
- TRAKing
- 480v Transformer
- 8" Manual Chuck
- 6" Hydraulic Chuck
- Auxiliary Output
- MT Connect Ready
- Advanced Features with Verify Part
- DXF Converter
- CAM File Out
- Offline programming Software

The ProtoTRAK RX CNC

The same elegant user experience for milling and turning

YOU'LL BE AMAZED HOW EASY AN ADVANCED CNC CAN BE

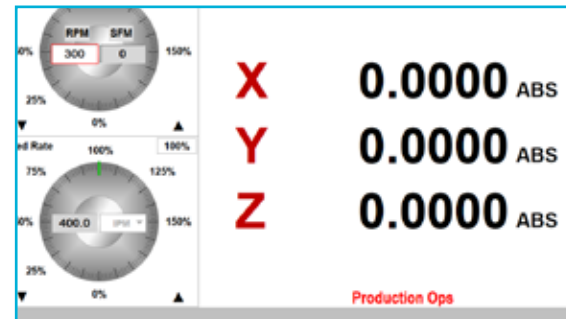


The ProtoTRAK RMX for the TRAK VMC2

The ProtoTRAK RLX for the TRAK TC2



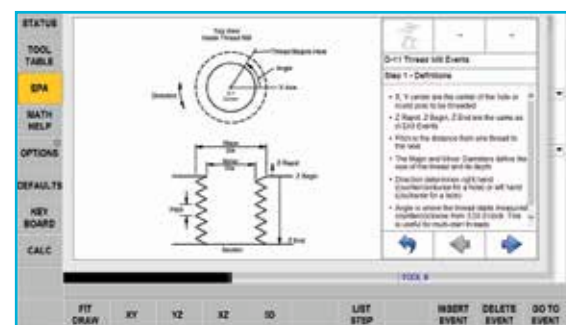
Touchscreen for an extraordinary user experience that keeps you working fast



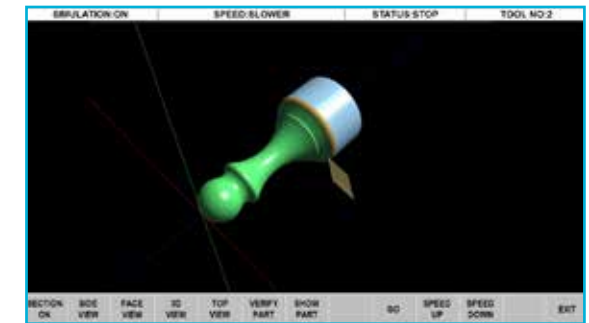
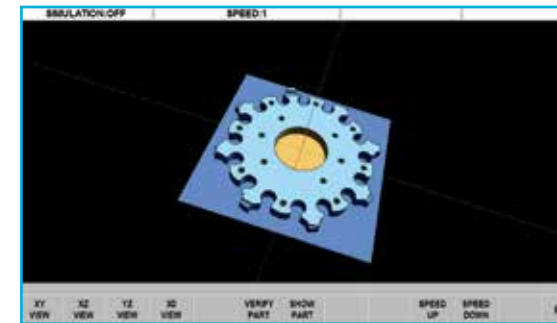
Powerful Features for manual setup in Toolroom Ops



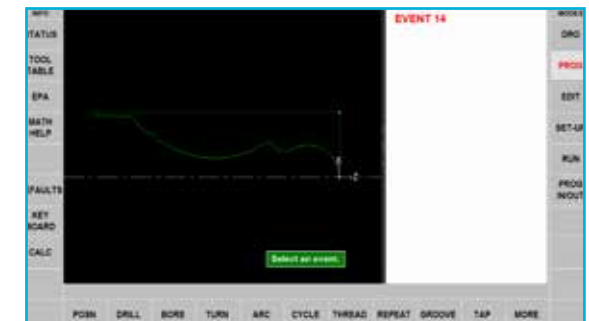
Defaults teach the ProtoTRAK RX your machining style



Enhanced ProtoTRAK Assistance – instructions at your fingertips



Powerful solid model graphics for Verify and Parasolid converters



Easy, prompted programming events with graphics that update while you program



Auto Geometry Engine® software to fill missing data for you as you program

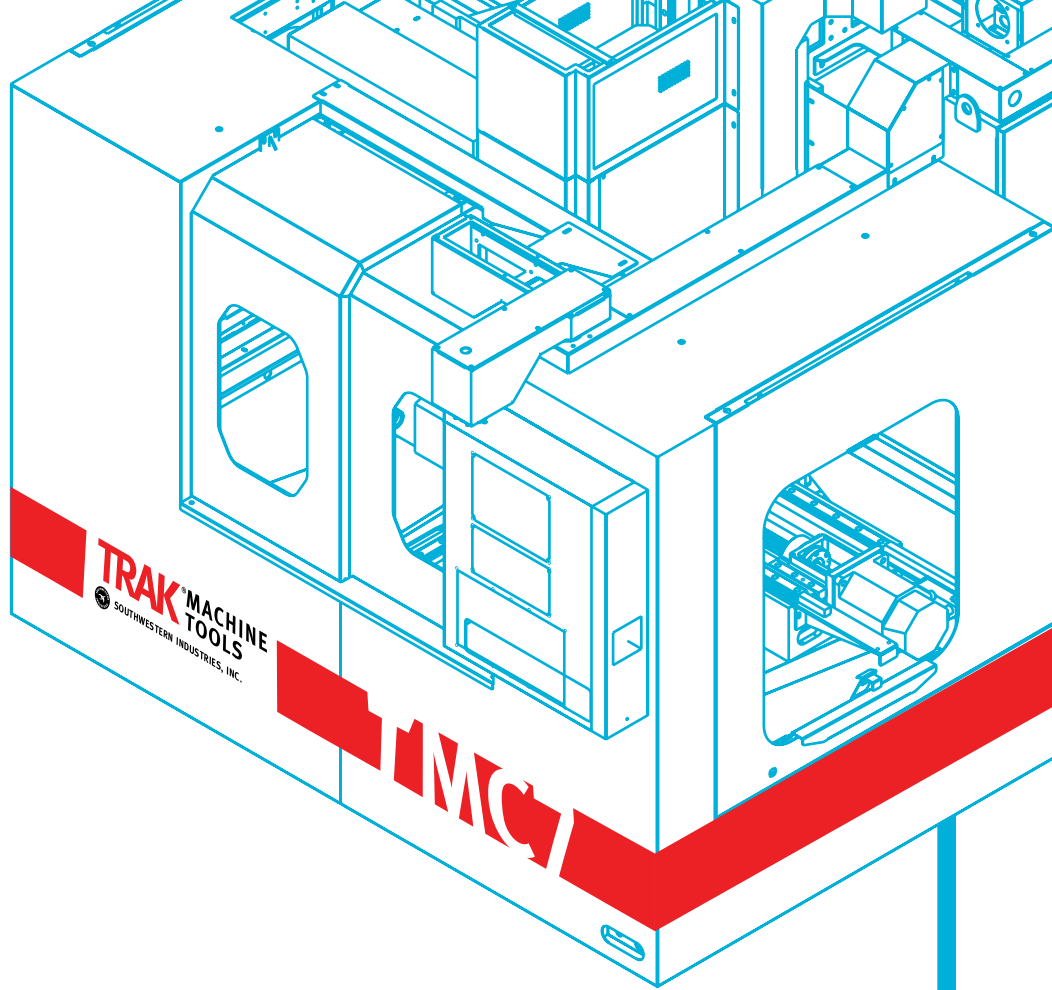
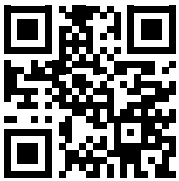


Options - to customize the CNC to your style

TRAK VMC2



TRAK TC2



Get to know the new TRAK VMC2 and TC2 featuring the ProtoTRAK RX today!
Visit www.trakmt.com
Call for a demo in your shop at 800-421-6875
Visit one of our showrooms nationwide www.trakmt.com/locations
Sign up for an Open House or Trade Show event near you: www.trakmt.com/events



TRAK MACHINE
TOOLS



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