Contact the Customer Service department:

Toll free: 800-367-3165 Direct fax: 310-886-8029 Email: service@trakmt.com 7:00am to 4:30pm, PST

Preventative Maintenance Terms and Conditions

Preventative Maintenance products are offered under certain Terms and Conditions which are listed on the Preventative Maintenance Price List.





2615 Homestead Place Rancho Dominguez, CA 90220 T | 310.608.4422 www.trakmt.com



ProtoTRAK CNCs

Preventative Maintenance





CNC Technology for Small Lot Machining

A Complete Maintenance Program

Regular preventative maintenance is the best way to keep the investment in your equipment paying dividends.

We keep track of your maintenance due dates and coordinate service times that work for your shop. Our factory trained technicians follow standardized checklists, help resolve other minor issues not on the lists, and provide documentation of all the work that was performed. Our maintenance service is a pay-as-you go program so you won't pay anything until you authorize the work and it is completed.

Standardized Maintenance Checklist

Includes calibrations, free software updates and more.

ERVICE DATE:	/ / SUPPORT TICKET #:
COMPANY:	t.
SERIAL #:	MODEL:
mplete form	by placing a checkmark in the boxes as task are completed.
1	Update software when applicable. Verify Error Logging is turned on (Code 319) for SLX & RLX.
2	Check and adjust level of machine.
3	Fill lube pump. Manually pump oiler and check lube points.
4	Run spindle throughout all gear ranges and RPM's. Note any unusual noises below.
5	Check spindle preload and record value: inlbs.
6	Check alignment X & Z ballscrew.
7	Check drive train assemblies.
8	Use jogstick and turn electronic handwheels. Listen for unusual noises. Note any problems below.
9	Check and adjust spindle motor mounting and belt as needed. Inspect belt.
10	Change headstock gearbox oil if requested (Customer to provide oil).
11	Check spindle brakes. Spindle stop? Yes No (1440 & 1745 models: Check Setting of timer)
12	Inspect Electronic Handwheels, Clean friction pucks as needed.
13	Check alignment of spindle encoder. Inspect encoder coupling.
14	Inspect and adjust X and Z axis servo motor belts.
15	Adjust Gibs and Run Service Codes 12 and 100. (Service Codes 12 & 100 not applicable to RLX products)
16	Calibrate X and Z-axis and check backlash. Record backlash values below.
17	Record Positional accuracy: X: Z:
18	Record Uni-directional repeatability: X: Z:
19	Record Bi-directional repeatability: X: Z:
20a	Run Code 131: Disable Electronic Handwheels.
20b	Run Code 132: Electronic Handwheel test.
20c	Run Code 133: Spindle Encoder test.
21	Check if emergency stop buttons disable Handwheels, Jogsticks, and Spindle.
23	Check all cables and cable connections. All cables should be neat and securely tied.
24	Check coolant pump operation.
	Inspect way wipers and note the condition.
25	Check headstock alignment. Cut test part. Check for taper. Taper Over 6"
26	Inspect indexer. Can you initialize? Yes No
27	Replace Pendant fan filter (N/A on RLX products).
28	Wipe down machine. Clean touchscreen on RLX products.
st potential	problems, observations, or recommendations:

Maintenance Certificates

Documents work performed and certifies the instruments used.

TRAK MACHINE SOUTHWESTERN INDUSTRIES, INC. Preventative Maintenance Certification			
CUSTOMER			
MAINTENANCE SITE ADDRESS			
CITY	STATE	ZIP CODE	
MAINTENANCE DESCRIPTION		SERIAL NUMBER(S)	
MAINTENANCE DATE			
FIELD SERVICE TECHNICIAN			
	-		
CALIBRATION WAS PERFORMED	N ACCORDANCE WITH ISO 10012-1 AND I	ISO GUIDE 25 USING MASTERS TRACEABLE TO	
THE	NATIONAL INSTITUTE OF STANDARDS AN	ND TECHNOLOGY	
THE	NATIONAL INSTITUTE OF STANDARDS AN		
THE	NATIONAL INSTITUTE OF STANDARDS AN	ND TECHNOLOGY	
THE THIS CERTIFICATION SHALL NOT BE R TRAK Machine Tools Southwestern Industries, Inc.	NATIONAL INSTITUTE OF STANDARDS AN	ND TECHNOLOGY /RITTEN APPROVAL FROM TRAK MACHINE TOOLS.	
THE THIS CERTIFICATION SHALL NOT BE R TRAK Machine Tools Southwestern Industries, Inc. 2615 Homestead Place	NATIONAL INSTITUTE OF STANDARDS AN	ND TECHNOLOGY /RITTEN APPROVAL FROM TRAK MACHINE TOOLS.	
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Convenient Scheduling

We notify you when maintenance is due and schedule a technician when it works for your shop.

Specialized Tools

Factory-trained technicians have the specialized tools needed to perform work.

Preventative Maintenance Services

TRAK Lathes - 28 points of service

- Check level of machine
- Check spindle encoder alignment
- Inspect oiler & lube points
- Inspect gear train
- Check spindle preload
- Check ballscrew alignment
- Check drive train assemblies
- Inspect joystick
- Clean & lubricate hand wheels
- Check spindle motor mount & belt

- · Change gearbox oil if needed (customer to provide oil)
- Check spindle braking
- Adjust gibs
- Adjust X & Z-axis belts
- Run diagnostic service codes
- Calibrate X & Z-axis
- Check backlash
- Check position accuracy
- Check unidirectional repeatability

- Check bidirectional repeatability
- Check emergency stop button
- Inspect all cable connections
- Inspect coolant pump
- Inspect way wipers
- Check headstock alignment
- Inspect indexer
- Wipe down machine
- Update software & change pendant fan filter

TRAK Mills and Retrofit CNCs - 14 or 24 points of service

- Adjust gibs & inspect travel
- Check sensors/glass scales & mountings
- Check alignment of Z-axis
- Inspect pump & lubrication system
- Inspect & adjust spindle belts
- · Run diagnostic service codes
- Check positioning accuracy

Calibrate all axes & check backlash

Check unidirectional repeatability

- Check bidirectional repeatability
- Inspect all cable connections
- Inspect E-stop
- Wipe down machine
- Update software & replace pendant air filter

24-point service also includes:

- Check level of machine
- Check spindle while running through gears
- Check spindle brake
- Jog axes & inspect for wear
- Tram head
 - Check functionality of auxiliary functions
- Inspect axis motor belts
- Check drive train assemblies
- Inspect all limit switches
- Clean & lubricate electronic hand wheels

TRAK DROs and Trav-A-Dials

- Check & clean sensor, Trav-A-Dial, & mounting bracket
- Adjust gibs on the machine
- Check repeatability
- Calibrate each axis
- Check cable & cable connections
- Re-tighten all bolts, screws & nuts
- Clean & organize Trav-A-Dials, sensors, cables, displays, & power cabinet

TRAK TMC

- Drain regulator assembly
- Check lubrication system
- Check coolant level
- Check level of lubrication pump Check level of pneumatic oiler
- Check level of tool change air cylinder oil
- Inspect tool change air cylinder
- Clean electrical cabinet air filters
- Check & adjust level & tram of machine

- Check spindle motor belt tension
- Check & adjust backlash if necessary
- Remove way covers & clean built up debris
- Inspect ATC
- Apply grease to ATC unit

TRAK VMC2

- Remove chips from slideways
- Check lube pump level
- Check coolant level
- Check air supply regulator & clean filter
- Clean debris from rear of ATC
- Remove & clean air filters on electrical cabinet & servo cabinet
- Check tool, unclamp oil reservoir
- Check & adjust backlash if necessary
- Remove ways covers & clean debris
- Inspect tool change air cylinder
- Grease ATC linear rails
- Check for any usual wear, including cables & pneumatic lines