



TRAK LPM

Job Management System



TRAK LPM – Job Management System

The ProtoTRAK PMX CNC features innovative organization tools that enable you to get more work done with the skills you have.

Objectives

- Prepare future jobs in the time the machine is running a current job
- Enable your ProtoTRAK machinists to control the entire process
- Reduce planning for repeat jobs
- Reduce set up labor
- Reduce changeover time



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ProtoTRAK PMX Views

Current View shows the program that is running.

Staged View shows a different program that you are setting up to run in the future.





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Variety of Data

The ProtoTRAK PMX helps you cope with the different formats of programs

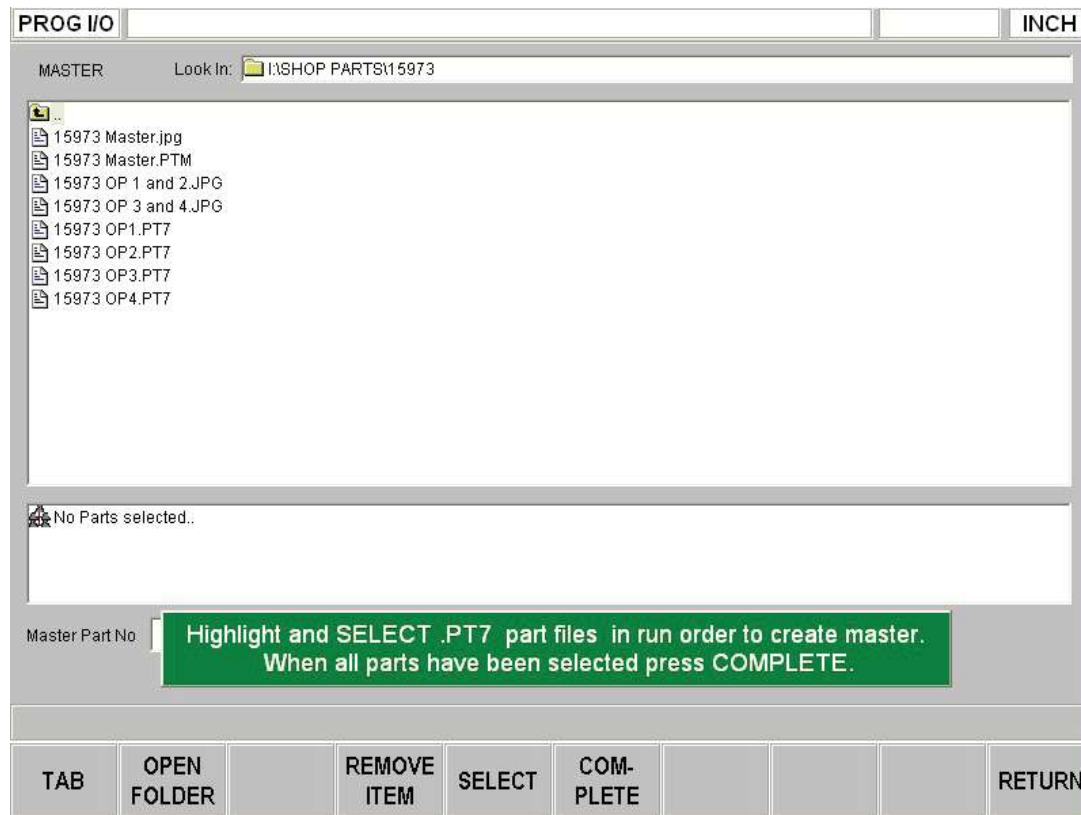
- Previous generation of ProtoTRAK programs
- CAM files
- DXF files
- File sharing via a Network
- G Code
- Coming soon – Parasolid files



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Master Programs

Combine separate programs into one to master program perform multiple operations in a single set up.





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Notes

Store information about the job with the program

PROG S/U		P/N 15624 operation 1		INCH	
Operation 1 for part 15624		Use the vise stop as shown to locate along the X axis.			
The part zero is the upper right hand corner and the top of the part for Z.		Use 1/8" or so step jaws to hold part. See picture.			
When edge finding the right hand side for X, set your zero 0.05" in for X so you have material to cut.		You must use vise plate and fence labeled 3 when running this job, otherwise the offsets saved with the program will be off a few thousandths.			
Tool List Tool # 1 - 1/2 finish end mill - 2 flute Tool # 2 - 1/2 spot drill Tool # 3 - 0.180" drill Tool # 4 - 0.312" finish end mill - 2 flute - used as a counterbore tool					
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TAB	NEXT				RETURN



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The Checklist

An easy-to-follow Checklist in Set Up Mode helps eliminate mistakes.

Work with confidence and work faster.

A screenshot of a software interface titled "MACHINE SETUP CHECKLIST". The window has a title bar with "MACH SIU MP/N 15621 Master" on the left and "INCH" on the right. The checklist contains 12 items, each with a corresponding colored indicator on the right side. Item 1 is highlighted with a blue background. The indicators are: Item 1 (blue), Item 2 (yellow), Item 3 (green), Item 4 (yellow), Item 5 (yellow), Item 6 (green), Item 7 (yellow), Item 8 (green), Item 9 (green), Item 10 (green), Item 11 (red), and Item 12 (red). At the bottom of the window, there is a control bar with buttons for "CHECK", "OK", and "RETURN".

MACH SIU MP/N 15621 Master INCH

MACHINE SETUP CHECKLIST

1. Have you reconciled your tools in your master program?
2. Did you set your Z safety height?
3. Are all of your tool diameters entered correctly?
4. Have you checked your TOOL PATH?
5. Have you saved your program?
6. You must enter the ball lock location for your parts.
7. Are your X, Y and Z offsets set correctly for your parts?
8. If running more than 1 part per fixture, shift offsets cannot be set to all zeros.
9. You must assign tools to the ATC before running the program.
10. You must enter a tool length offset for each tool used in your program.
11. You must REMOVE tools from the ATC.
12. You must ADD tools to the ATC.

CHECK OK RETURN



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Leverage - use the Job Management System to help get more work out of the scarce skills in your shop.

Skilled people set up for others - this common arrangement is enhanced with the instructions that are saved with the program, making even new people more autonomous

Or

Detailed instructions for yourself - supplement your data sheets with notes and photos so you don't have to rethink every set up from scratch every time the job comes in.

See also:

[TRAK LPM Tool Setting System](#)

[TRAK LPM Workholding System](#)

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