



TRAK LPM

Tool Setting System



TRAK LPM – Tool Setting System

Included with the TRAK LPM is a simple, accurate system for managing your tooling.

Objectives

- Reduce set up time
- Enable quick changeover from job to job





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Most tool management tasks can be done during the cycle time of a different job

Only loading and unloading are done with the machine idle

It is a simple system ideal even for people who are new to a production environment.



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Each TRAK LPM comes with a high quality Huot™ tooling cart and tool measurement system.



**sorry, the tools and tool holders are not included*



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The Base Reference Tool



The Base Reference Tool is customized to each TRAK LPM so that the ProtoTRAK PMX knows its dimensions precisely.



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Offset Measurement Tool





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Tool Reconciliation

The ProtoTRAK PMX guides you through tasks such as getting the tool numbers in your programs to match what's in the carousel.

SET-UP		MPIN 16866 ALL OPS		INCH	
Tool Number Reconciliation					
P/N 16866 OPERATION 1		P/N 16866 OPERATION 2		P/N 16866 OPERATION 3	
			New		New
0.500 Ruf EM	1	0.520 Ruf EM	1 ▶ 10	0.000	1 ▶ 20
0.500 Fin EM	2	0.500 Fin EM	2 ▶ 11	0.000	2 ▶ 21
0.625 Ctr Drill	3	0.250 Cntrsink	3 ▶ 12		
0.484 Drill	4	0.503 Bor Bar	4 ▶ 13		
0.406 Drill	5	0.500 Cntrsink	5 ▶ 14		
0.375 Ctr Drill	6	0.500 Cntrbore	6 ▶ 15		
0.125 Drill	7	0.375 Ctr Drill	7 ▶ 16		
0.136 Tap	8	0.070 Drill	8 ▶ 17		
0.250 Cntrsink	9	0.085 Tap	9 ▶ 18		
		0.748 Bor Bar	10 ▶ 19		

ENTER NEW TOOL NUMBER : 10

SAVE RETURN



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Tool Loading



The only task you need to do with the machine idle is change tools.

SET-UP P/N 16866 OPERATION 2							INCH
ATC Pos 0			No Tool				
ATC							
ATC Loc	Tool #	Dia	Type	Z Offset	Z Mod	Dia Mod	Action
1		0.0000	None	0.0000	0.0000	0.0000	
2		0.0000	None	0.0000	0.0000	0.0000	
3		0.0000	None	0.0000	0.0000	0.0000	
4		0.0000	None	0.0000	0.0000	0.0000	
5		0.0000	None	0.0000	0.0000	0.0000	
6		0.0000	None	0.0000	0.0000	0.0000	
7		0.0000	None	0.0000	0.0000	0.0000	
8		0.0000	None	0.0000	0.0000	0.0000	
9		0.0000	None	0.0000	0.0000	0.0000	
10		0.0000	None	0.0000	0.0000	0.0000	
11		0.0000	None	0.0000	0.0000	0.0000	
12		0.0000	None	0.0000	0.0000	0.0000	
13		0.0000	None	0.0000	0.0000	0.0000	
14		0.0000	None	0.0000	0.0000	0.0000	
15		0.0000	None	0.0000	0.0000	0.0000	
16		0.0000	None	0.0000	0.0000	0.0000	
17		0.0000	None	0.0000	0.0000	0.0000	
18		0.0000	None	0.0000	0.0000	0.0000	
19		0.0000	None	0.0000	0.0000	0.0000	
20		0.0000	None	0.0000	0.0000	0.0000	

ATC LOCATION : 1

REMOVE TOOL	ADD TOOL	CALL TOOL	RETURN TOOL	RESET ATC	RETURN
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The ProtoTRAK PMX gives you clear, easy instructions



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The Tool Setting System

But that's not the end of the story, because the Job Management System allows you to:

- Combine programs to minimize tool changes
- Create and store tooling notes with your program
- Keep tool information with your programs

See also:

[TRAK LPM Job Management System](#)

[TRAK LPM Workholding System](#)

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