



TRAK LPM

Workholding System



TRAK LPM – Workholding System

The Workholding System is a unique combination of control, machine and your ingenuity.

Objectives

- Drive set up labor to the minimum
- Enable rapid changeover from job to job



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How it works

Jergens™ Ball Lock receivers are integrated into the table





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Fixtures are secured to the table with Clamping Devices





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The receivers are located precisely into Primary and Secondary locations

Secondary in the back



Primary in the front



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Three receiver locations are designated as Fixture Locations A, B and C.



The ProtoTRAK PMX CNC knows these Fixture Locations



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In the Set Up Mode, just tell the ProtoTRAK which Fixture Offset you will use.

SET-UP MP/N 16866 ALL OPS INCH

ATC Pos 0 No Tool

Part/Fixture Management

Part	1	2	3
P/N	16866 OPERATIO	16866 OPERATIO	16866 OPERATIO
Fixture Location	A		NONE
Fixture Number	1	1	1
X Offset	0.0000	0.0000	0.0000
Y Offset	0.0000	0.0000	0.0000
Z Offset	0.0000	0.0000	0.0000
Parts/Fixture	1	1	1
X Shift	0.0000	0.0000	0.0000
Y Shift	0.0000	0.0000	0.0000
Z Shift	0.0000	0.0000	0.0000

X	0.0000	A
Y	0.0000	A
Z	18.7340	A

1. SET for Fixture A
2. SET for Fixture B
3. SET for Fixture C

FIXTURE LOCATION : A

PICTURE NOTES GO TO Z SAFETY RETURN

Here, Fixture Location A has been entered.



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SET-UP MP/N 16866 ALL OPS INCH

ATC Pos 0 No Tool

Part/Fixture Management

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Fixture Location	A	NONE	NONE
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Parts/Fixture	1	1	1
X Shift	0.0000	0.0000	0.0000
Y Shift	0.0000	0.0000	0.0000
Z Shift	0.0000	0.0000	0.0000

X	0.0000	A
Y	0.0000	A
Z	18.7340	A

1, SET for Fixture A
2, SET for Fixture B
3, SET for Fixture C

FIXTURE LOCATION: A

PICTURE NOTES GO TO Z SAFETY RETURN

You can also apply offsets.

The machine's position is displayed in order for you to use to input your offsets, in case that is necessary.

Now the ProtoTRAK PMX knows where your fixture is.



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The Jergens™ Ball Lock System makes placing and removing fixtures fast, easy and precise.

- The positioning accuracy is +/- 0.0002
- Clamping force is 2,250 lbs per ball lock post



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Fixtures

There is no limit to the ingenuity you can apply to fixturing.

We can get you started from some clever things we've learned from our own shop as well as from some TRAK LPM users.

Make your own Fixture Plates by installing the Jergens™ Ball Lock Liners.



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Fixtures

Use fixtures you already have with our optional Ball Lock Locating Guide Assembly





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Fixtures

We offer fixture plates in three sizes





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Fixtures

With some preparation, jobs can be changed over in a few quick motions.





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The Workholding System

That isn't the end of the story, because the Job Management System allows you to

- Store and use fixture offsets
- Create and store notes about fixtures and set ups
- Capture photos of your set ups

See also:

[TRAK LPM Job Management System](#)

[TRAK LPM Tool Setting System](#)

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