

BAUER INDUSTRIAL EQUIPMENT LTD.

(Office) #109 - 8678 Greenall Ave, Burnaby, B.C. Canada V5J 3M6
(Warehouse) 5758 Beresford St., Burnaby, B.C. Canada
Tel: (604) 438-1121, (877) 438-1121 Fax: (604) 438-1122
Email: solutions@bauerltd.ca Web: www.bauerltd.ca

Celebrating quality products
at competitive prices since 1973!



newall



TRAK CNC

TRAK Model LPM

High Precision, Vertical Machining Center

FEATURES

- Made in the USA
- Uniquely designed to produce low volume / high mix parts faster and better than a conventional VMC by reducing set-up time to minutes through the following:
 - Table incorporates precise bushing locations, using Jergens ball-lock system, known by controller so fixture plates and part references can be prepared off the machine then quickly positioned (within 0.0002") and held securely (with 2250 lbs of clamping force)
 - Mobile tool setting cart and reference tool (with Z dimension preloaded into control) is standard to preset and organize tools off the machine
- Direct coupled motors maximize efficiency and precision while minimizing elastic backlash
- Dual angular contact bearings pretension the 40mm dia. precision ground ballscrews to minimize thermal expansion
- High precision cartridge-type spindle with four precision angular contact bearings, ABEC 9, P2 (radial run out), permanently lubricated, requiring no maintenance
- 4-speed handwheel for fast and precise movement of all 3 axes
- 16-station carousel tool changer
- 5 T-slots (instead of usual 4)



CNC CONTROL FEATURES

- The ProtoTRAK PMX blends advanced technology with a natural user interface that is the easiest control to learn.
- Clear, uncluttered display allows you to zoom, pan, and rotate your drawings and 3D models.
- No codes needed as logical operation with few input keys and prompts are in understandable, plain language.
- Checklists keep track of what needs to be done prior to CNC run to make sure nothing has been forgotten.
- Program and set-up the next job while current job is still running.
- Save set-up notes and photos with the program so set-up can be completed even faster next time the job is run.
- Powerful software automatically calculates missing data as you program.
- Easily mills arcs, rectangular/circular/irregularly shaped profiles/pockets/islands, threads, helixes.
- Easily program to engrave, tap, face mill, drill holes and bolt-holes including repeating, rotating, and mirroring steps.
- Fine-tune programmed feedrate and spindle speed on the fly during operation for perfect cut chips.
- Choose to start CNC run or use TRAKing which allows you to control the run by turning the handwheel. As you crank, the machine starts cutting. Turn the handwheel forward, reverse or pause and the machine will move forward, backward or pause through the programmed run. Take control or give back control at any point during the CNC run.
- LOOK button shows graphic of what has been programmed at each step.
- Toolpath Verify shows how material will be cut and exposes any problems.
- Math helps and calculator will enter calculation directly into program.
- Program run-time clock shows machining time of programmed part.
- Windows file manager for easy program loading/saving on four USB ports.
- Opt. converter for inputting DXF/DWG files or outputting CAM files.
- Opt. offline software for programming away from machine control.



SPECIFICATIONS

Table Size	19.63" x 35.38"
Table Load – max.	1000 lbs.
Table Travel (X,Y,Z)	31" x 18.5" x 21"
Dist. Nose to Table (min/max)	3.4" / 24"
Column to Spindle Center	19.25"
Rapid Speeds (X,Y,Z) - ipm	800 / 800 / 700
Spindle Taper	CAT40 (opt. BT)
Spindle Speed – max.	8000 RPM
ATC Tool Capacity	16
Capacity - drilling	1"
- milling	7 inch ³ /min
- tapping	5/8"
HP Continuous (Peak)	10 (15)
Electrics	220V, 3Ph, 78A (opt. 440V, 44A)
Dimensions (WxDxH) and Weight	172" x 120" x 103", 7650 lbs.

ACCESSORIES

Internal wash down nozzles	Air and wash down guns	Halogen work light
Automatic lubrication system	Coolant and wash down pumps	Status lights
Mobile Tool Setting System (including cart)	Oil/coolant separation system	Rigid tapping
Chip auger	Air blast to clear chips from spindle	CAT40 tooling grippers
CAT40 Retention Knobs (set of 16)	Vise Stop Assembly	Fixture Cart
Fixture Clamping Devices (set of 4)	Fixture Plate / Fence / Stop	Grippers for BT40 Tooling
Fixture Plate – small, medium & large	KURT 6" Vise (w/mounting hardware)	Ball Lock Liners
4 th axis Indexer (w/tailstock & fixture plate)	Ball Lock Locating Guide Assembly	

SOFTWARE

Input DXF/DWG files	Save as CAM files	Convert to Parasolid 3D
Offline Software		

Lifetime toll-free phone support from factory technical service personnel on software and hardware.

Please feel free to contact us for pricing or if you have any questions.