



LABTEK

MECHANICAL ENGINEERING LAB EQUIPMENTS

CAM LAB





Sun LabTek Equipments (I) Pvt. Ltd.

(ISO : 9001 : 2008 Certified Company)



LABTEK COVERS THE FOLLOWING LABORATORY:

- STRENGTH OF MATERIAL LAB
- THERMAL ENGINEERING LAB
- FLUID MECHANICS LAB
- DYNAMICS OF MACHINE LAB
- HEAT TRANSFER LAB
- FLUID MACHINERY LAB
- REFRIGERATION AND AIR-CONDITIONING LAB
- AUTOMOBILE ENGINEERING LAB
- APPLIED MECHANICS LAB
- CAM LAB
- M & I LAB
- DATA ACQUISITION LAB
- MECHATRONICS LAB

The company lays special emphasis on export of its products all over the world, hence has a correct knowhow of resending product and its instruction manual in printed and soft format accepted internationally.

WELCOME TO LABTEK TECHNICAL CATALOG

Established in 1999, LabTek has built a solid reputation for manufacturing and marketing laboratory equipment with strong mechanical base required in universities, engineering colleges, polytechnics, vocational schools etc. LabTek has a selection of more than 500 mechanical engineering and 800 civil engineering equipments and test rigs. With customers spread across the globe, LabTek is regarded as premier supplier of reliable, high quality and competitively priced products. We provide Turnkey solution for establishing mechanical and civil engineering laboratory with state of the art technology and solution.

R & D & QUALITY ASSURANCE:

Our R & D Engineers work in close contacts with clients to produce user friendly products and manuals providing a fulfilling teaching and learning experience. Students can complete their assignments in single laboratory session. LabTek operates a continual product improvement process through ISO procedures and customer feedback to ensure that our product stays ahead of the competition and meets customer needs. Our product specifications are reviewed in line with worldwide curriculum to comply varied syllabus requirements and hence regularly updated and new products developed.

AFTER SALES SERVICE

Company responds to customer needs quickly and considers after sales service equally important to establish a culture of customer confidence. LabTek has established long term relationships with its clients. To expedite your order or to get any particular service, please send us an e-mail or fax with product details and your contact address along with mobile /landline numbers. Our Service Engineers will respond to you quickly through e-mail/phone. We also provide installation, commissioning and training service for any customers who require assistance.

The largest established manufacturing, trading and export house of quality Technical Education Lab Equipments in INDIA



Corporate Office: B-3A, Shiv Shakti Complex, East Vinod Nagar, 1st Floor, New Delhi-110091

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Works: 80-A, Rajendra Nagar Industrial Area, Sahibabad, Ghaziabad-210005, Uttar Pradesh (India)



SL-10001

CNC Production Lathe

CNC PRODUCTION LATHE

CNC System (Color English Version)
 X.Z Axes Feeding Motor: Step Motor and Driver
 Spindle Motor: Two-speed Motor 4 / 6 (3 phase 2.2/2.8kw)
 Manual three jaw chuck 1pc
 Gang Tool Carriage& Gang Tool Holder(3pcs)
 Hand Wheel
 Thread Function
 Coolant Pump
 Working Lamp
 Enclosed Shield for Ball Screw
 RS232 Communication Cable& Communication SoftwareCD
 (To connect CNC Controller with PC)
 Tricolor Lamp for Machining State Indication

Item	Specifications		Unit	Parameter
Capacity	Max. Swing Dia. over Bed		mm	Φ320
	Max. Swing Dia. over Slide		mm	Φ150
	Max. Through Dia. of Bar		mm	Φ28
	Max. Machining Length		mm	200
	Thread	Metric	mm	0.25-100
	Range	Inch	TPI	100-4
Spindle	Speed Range	Frequency Conversion	r/min	50-3000
	Spindle Bore		mm	Φ38
	Taper of Spindle		0	Φ45°
	Tube Bore		mm	Φ38
	Size of Chuck		mm	Φ120
	Power of Spindle Motor		kw	Two Speed 4/6 (3 phase 2.2 kw)
X.Z Axes	Feeding Speed of X-axes		m/min	3
	Feeding Speed of Z-axes		m/min	6
	Power of X-axes Motor		kw	1
	Power of Z-axes Motor		kw	1
	Torque of X-axes Motor		Nm	12Nm (Step)
	Torque of Z-axes Motor		Nm	12Nm (Step)
Tool Post	Min. Setting Unit of X-axes		mm	0.001
	Min. Setting Unit of Z-axes		mm	0.001
	Type of Tool Post		-----	Gang Tool Carriage
	No. of Tools			1-8 Station (Gang Tool Holder)
Other	Size of Tools Shank		mm	15 x 15 or 20 x 20
	Power of Lubrication Oil Pump Motor		W	4
	Power of Coolant Pump Motor		W	40
	Overall Dimension		mm	1270(L)*950(W)*1450(H)
	Net Weight		kg	800
	CNC System		-----	GSK928TC/980TB



SL-10002

CNC PRODUCTION MILL

CNC PRODUCTION MILL with inbuilt CNC system consist of 3 axis stepper motors, ball screws, variable speed spindle motor, limit/home switch provided with inverter

Standard accessories:

1. Machine with casting base
2. BT 30 arbor 1 no
3. Work piece clamping kit 1 set
4. Sample work piece
5. End mill 4 nos
6. Drill chuck 1 no
7. chuck sleeve 1 no
8. multi colour display in controller
9. Coolant tank with pumps and fittings

CNC Production Mill

SPECIFICATION

Size of worktable (length x width)	800mm x 240 mm
T slot width x qty x space	16mm x 3 x 60mm
max loading weight on worktable	60kg
X-Axis Travel	430mm
Y-Axis Travel	290mm
Z-Axis Travel	400mm
Distance between spindle nose and table	50-450mm
Distance between spindle center and column	297mm
Spindle taper	BT-30
Max. spindle speed	4000r/min
Spindle motor power	1.5Kw
Feeding Motor power: X Axis	1Kw
Y Axis	1Kw
Z Axis	1Kw
Rapid feeding speed: X, Y, Z axis	6m/min
Feeding speed	0-2000mm/min
Min. set unit	0.01mm
Max. size of tool	60x175mm
Loosing and clamping way for tool	Clamp by disc spring
	Loose manually
	Clamp by disc spring
	Loose pneumatically

QUALITY POLICY

The Management and the staff of LabTek is committed to provide Educational training equipments and test & measurement products and services on par with international standards with and emphasis on cost effectiveness, customer satisfaction and market coverage. It is our endeavor to create a culture of total quality where continuous improvement of our products by increasing involvement of people through customer oriented, flexible, multiple job functions with emphasis on cost consciousness becomes a way of life.

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