CADMECH™
Advancing Education

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MEMBER
BASIC

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CADMECH™

Advancing Education

2024

PRODUCT CATALOGUE

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CHIEF MANAGING DIRECTOR'S MESSAGE

MR. PRAKASH SULAKHE

Electronics Engineer
MBA, PHD-Management

CADMECH Engineering Private Limited (Pvt) is a leading manufacturer and exporter of sophisticated machineries for Technical educational purposes. Established in 2012, CADMECH has clients worldwide mainly from Srilanka, Ethiopia, US, CANADA, and Mexico.

The diligent and efficient professionals serving the company have helped CADMECH build the trust and reputation among its clients. CADMECH is specialised in all types of CNC Trainers like CNC lathe & CNC Mill Machines. Some of the products and services provided includes Educational Robot Trainer, Articulated Robot , CNC Water Jet Cutting machine, 5 Axis CNC Rapid Prototyping Desktop Machine and many more.

CADMECH provides machineries that are 100% efficient and requires the least amount of maintenance therefore a perfect solution for your educational and industrial needs. CADMECH has a well-organized team who are committed in providing you the best.

THE FOUNDERS & DIRECTORS

MR. PRAKASH SULAKHE

Electronics Engineer
MBA, PHD-Management

MR. PRASHANT WAGH

Mechanical Engineer

LATE MR. PRASHANT BUGE

Electrical Engineer
BE-PGDBM

THE CORE TEAM

Manufacturing Facility

ABOUT US

In the vast orchestra of technical education, CADMech Engineering Pvt. Ltd. stands as a harmonious melody, echoing the journey of evolution and success since its inception in 1997.

Originally named V-Ramp Systems, the company embarked on a mission to revolutionize technical education by introducing advanced learning equipment. The crescendo of acceptance led to the formation of B. J. Engineering Company in 2000, which is dedicated to serving Defence Department customers and industrial clients. The symphony reached its climax in 2007 when the company merged, giving birth to CADMech Engineering Pvt. Ltd.

CADMech's strategy revolves around the keynotes of value pricing, heightened product performance, and impeccable service levels, all contributing to the brand's crescendo in the market. In the ever-changing educational landscape of India, CADMech has become the preferred source for technical education equipment, thanks to its wide range of computerized products.

At the core of CAD Mech's success is its unwavering commitment to innovation and engineering excellence. Their dedication extends to optimizing manufacturing processes and actively seeking client feedback to continually enhance product and service quality.

Our Mission

To provide users with genuine value for their equipment investment through a blend of value engineering, dedicated service support, and consistently superior performance.

Pune

Rajasthan
Uttar Pradesh
West Bengal
Chhattisgarh
Karnataka
Andhra Pradesh
Tamil Nadu

Himachal Pradesh
Punjab
Uttarakhand
Haryana
New Delhi
Rajasthan
Uttar Pradesh
Gujarat
Madhya Pradesh
Chhattisgarh
Jharkhand
West Bengal
Assam
Odisha
Maharashtra
Andhra Pradesh
Karnataka
Tamil Nadu

Works and Head Office

Dealer & Service Center

Customer Base

THE CORE TEAM

Products & Services

CADMech is not just a name; it's a symbol of quality and reliability. The company manufactures and exports CNC Trainers, Educational Trainers, and Test Rigs tailored for Engineering and Polytechnic Colleges & ITIs. Their collaboration with DRDO laboratories and Defence units underscores their commitment to developing indigenous testing equipment for diverse applications. CADMech stands as a pioneer in developing and establishing Automation Technology in Manufacturing labs, complete with IoT and AR-VR facilities. These include CAD-CAM Incubation labs, Computerized Integrated Manufacturing Labs, Flexible Manufacturing Systems, and state-of-the-art Industry 4.0 setups. CADMech, with its proprietary technology, stands as a unique and committed initiative towards the next generation and the educational industry.

Quality Consciousness

Each product coming out of Cad-Mech exemplifies top quality and best performance. Engineering colleges of repute in India vouch not only for the accuracy of the lab equipments but also for its consistency of performance. In addition, Cad-Mech provides support pro-actively, through a team of engineers dedicated to Quality output.

Manufacturing Facilities & Customer Base

The facilities are state-of-art and the equipments represent the most recent in technology. With impeccable manufacturing credentials, advance testing equipments and an approach devoted towards Total Quality Management and professional who are totally dedicated, Cad-Mech is able to manufacture equipments that are world class at prices India can afford, to Create Next Generation Engineers.

CNC LATHE TRAINER

VLM - T - 100, VLM - IT - 100

Features

- Rugged Machine with Ground Bed
- 8 Station Programmable Turret
- Industrial Motion Controller
- 3D Material Removal Simulation
- STL Import / Export Facility
- Innovative live View on Screen (Optional)
- Customizable Tool Library
- Customizable STK Design
- Manual Pulse Generator (Optional)
- FMS & CIM Compatibility
- Latest Technological Platform for Software
- Interactive CNC Part Programming Software
- Hydraulic Chuck (Optional)
- Auto Door (Optional)

PC Based Controller

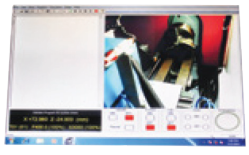
Industrial Controller

Specifications

X – Axis Travel	: 150 mm
Z – Axis Travel	: 200 mm
Chuck Size	: 100 mm (Hydraulic chuck ø 135mm optional)
Maximum Turning Diameter	: 30 mm
Maximum Turning Length	: 150 mm
Swing Over Cross Slide	: 80 mm
Spindle Nose Taper	: MT3
Standard Cutting Tool Size	: 16 x 16 mm
Spindle Motor	: 2 H.P AC/DC Motor (300 - 3000 RPM)
Resolution	: 0.005 mm
Repeatability Automatic	: ± 0.01 mm
Lubrication Points	: Provided
Interpolation	: Linear, Circular
Programmable Feed Rate	: 0- 800 mm/Min.
Rapid Feed Rate	: 0- 1200 mm/Min.
Control System	: PC Based / Industrial
Turret	: 8 Station (Electro - Pneumatic)
Coolant System	: 40 Lts. (Programmable)
Lubrication	: Centralized (Programmable)
Axis Motor	: Stepper / Servo Motor
Mains Supply	: 415 V AC, Three Phase
Machine Dimensions	: Approx. 1500 x 900 x 1500 mm
Total Weight	: Approx. 900 Kg.

3D Software

Eight Station Turret



Live Screen

MPG

CNC MILL TRAINER

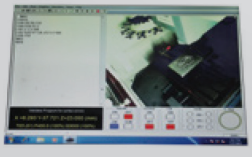
VMM - A - 200, VMM - IA - 200

Features

- Rugged Machine with Ground Bed
- 12 Station Programmable ATC
- Programmable Spindle
- Fully Enclosed Working Area
- Innovative live View on Screen
- Manual Pulse Generator (Optional)
- FMS & CIM Compatibility
- Hydro Pnuematic wise (Optional)
- Auto Door (Optional)

PC Based Controller

12 Station ATC

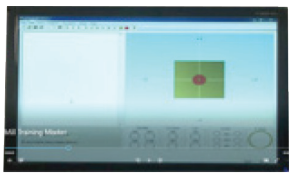


Live Screen

Industrial Controller

Specifications

X – Axis Travel	: 250 mm
Y – Axis Travel	: 175 mm
Z – Axis Travel	: 200 mm
Table Size	: 500 x 200 mm
Spindle Nose to Table Top	: 40 - 190 mm
Spindle to Column	: 110 mm
Spindle Inside Taper	: BT 30 / ISO 30
Maximum Tool Size	: Diameter 12 mm, Length 70 mm
Spindle Motor	: 2 H.P AC/DC Motor with 3000 RPM
Resolution	: 0.005 mm
Repeatability Automatic	: ± 0.01 mm
Lubrication Points	: Provided
Interpolation Programmable	: Linear, Circular
Feed Rate	: 0- 800 mm/Min. (X,Y,Z)
Rapid Feed Rate	: 0- 1200 mm/Min. (X,Y,Z)
Control System	: PC Based / Industrial
Automatic Tool Changer	: 12 Station (Pneumatic) (Geneva mechanism)
Lubrication	: Centralized (Programmable)
Axis Motor	: Stepper / Servo Motor
Mains Supply	: 230 V AC, 1 Phase for Machine and 3 Phase 415 V AC for ATC
Machine Dimensions	: Approx. 1200 x 1200 x 1800 mm
Total Weight	: Approx. 1200 Kg.



3D Software

CNC Mill Spindle

Servo Motor and Drive

MPG

CNC LATHE CUM PRODUCTION TRAINER

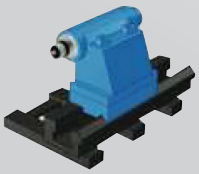
VTC 135

Features

- Fanuc Oi TF Plus/ Siemens Sinumerik 828D
- Control System Features
- 2 axes simultaneous interpolation
- Part program storage & editing
- Constant surface speed control
- Tool nose radius compensation
- Circular interpolation
- Direct drawing dimension programming
- Absolute/ incremental programming
- PCMCIA card and USB slot on front panel
- Backlash compensation
- Graphic simulation
- Electronic hand wheel (MPG)
- 10.4" color TFT display
- Run hour display
- Part count
- Turning cycles
- Thread cutting cycle
- Manual data input

Rigid Foundation

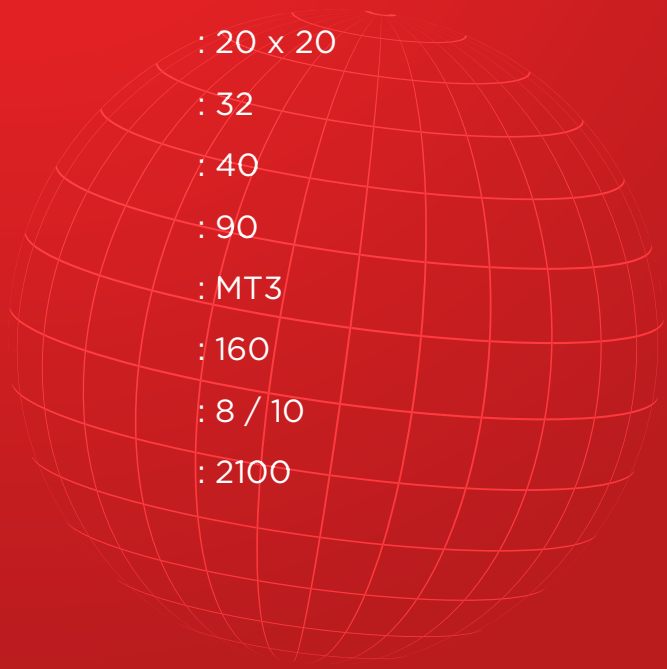
Head Stock



Tail Stock

Specifications

Chuck die (mm)	: 135
Max. turning dia (mm)	: 180
Max. turning Length from chuck face (mm)	: 270
Swing over Bed (mm)	: 370
LM Guide width (mm) X / Z	: 25/25
Axis motor torque (mm) X / Z	: 4/4
X axis stroke (mm)	: 140
Z axis stroke (mm)	: 280
Rapid traverse (met /min)	: 26
Ball screw dia x pitch & class (mm)	: 25X10 P C3
Positioning accuracy (mm)	: 0.008
Repeatability (mm)	: ±0.003
Spindle nose	: A2-4
Max. Spindle speed (RPM)	: 4000
Max. Bar Capacity (mm)	: 25
Spindle power cont. / 15 min rating Fanuc (kW)	: 3.7 / 5.5
Spindle power cont. / 15 min rating Siemens (kW)	: 3.7 / 5.6
Turret (Pragathi BTP, Cosmos CHT)	: BTP 63
Tool shank cross section (mm)	: 20 x 20
Max. boring bar capacity (mm)	: 32
Quill diameter (mm)	: 40
Quill stroke (mm)	: 90
Internal taper	: MT3
Base travel	: 160
Continuous /15 min rating (kVA)	: 8 / 10
Kgs (Approx)	: 2100



SINE-O-MILL

VMC-300

Features

- AC servo drives
- AC variable speed spindle motor
- Hardened and ground ball-screws
- Centralised automatic lubrication
- Basic coolant system
- Telescopic covers and bellow on Z-axis
- Full machine guard
- Manual pulse generator

Industrial Controller

Servo Motor and Drive

12 Station ATC

MPG

Specifications

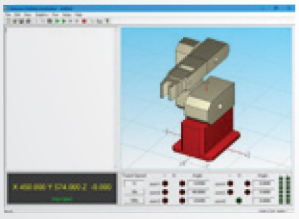
X Axis	: 350 mm
Y Axis	: 275 mm
Z Axis	: 300 mm
Distance from Spindle Nose to Table Top	: 70 - 300 mm
Traverse Screws	: Ball Screw Dia 32 x 10
Table Size	: 550 X 325 mm
Max. Load on Table	: 120 Kgs
Clamping Area	: 450 x 250 mm
Spindle Bore Taper	: BT 40
Spindle Speed	: 100 - 3000 RPM
Spindle Motor Power	: 5 HP, AC
Spindle Motor Drive	: 5 HP VFD HP
Rapid Traverse Rate X & Y Axes	: 8 & 8 m/min
Rapid Traverse Rate Z Axis	: 8 m/min
Cutting Feed Rate X & Y	: 1 – 5000 m/min
Cutting Feed Rate Z	: 1 – 5000 m/min
Controller	: SIEMENS 808D Basic
Motors & Drives X & Y	: 4 NM SERVO
Motors & Drives Z	: 7 NM SERVO
Accuracy	: 0.01 mm
Repeatability	: ± 0.005 mm
Resolution	: 0.001 mm
Min. Input Inmrement	: 0.001 mm
Front x Side	: 1500 x 1700 mm
Machine Weight (Approx)	: 2500 Kg
Main Supply	: 415 VAC, 3 Ph, 50 Hz

6 AXIS ROBOT TRAINER

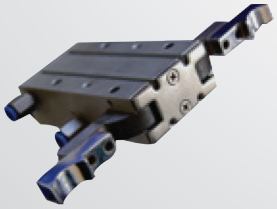
SR-6

Features

- Compact Design For Training Purpose
- Industrial Motion Controller
- Teach Pendant Facility
- Programmable Digital I/O
- Latest Technological Platform for Software
- Interactive Programming Software
- Powerful 3D simulation, Online and Offline
- FMS & CIM Compatibility



3D Software



Gripper

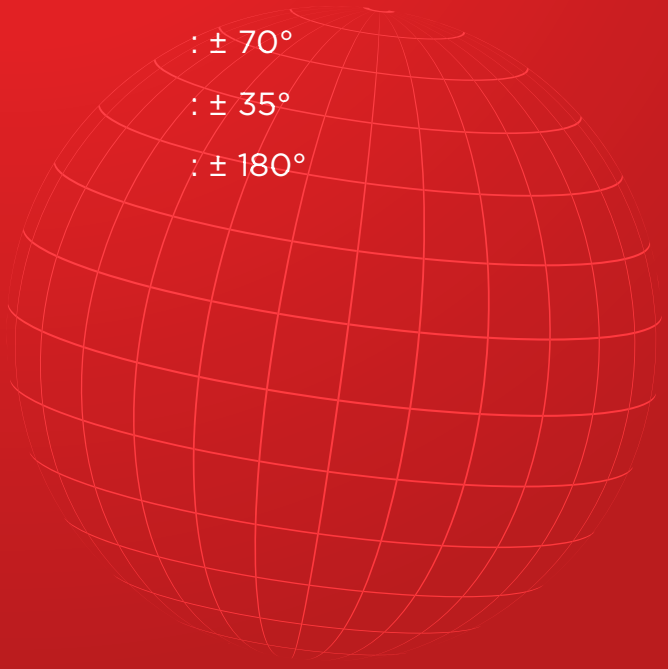
Teach Pendant

Specifications

No of axis	: 6
Link 1	: 300 mm
Link 2	: 300 mm
Joint actuator	: DC Stepper Motor
Transmission	: Timing Belt Drive
Position feedback	: Proximity Switch
Gripper actuator	: Pneumatic
Weight of robot	: 50 Kg.
Accuracy	: ±0.3
Repeatability	: ±0.2
Tip Velocity range	: 500 mm / min
Pay load capacity	: 2 kg (including griper)

Specifications

J1 - Waist	: ± 140°
J2 - Shoulder	: -100 - 60°
J3 - Elbow	: - 70 + 10°
J4 - Wrist rotate	: ± 70°
J5 - Wrist pitch	: ± 35°
J6 - Wrist roll	: ± 180°



External I/O

8 Programmable digital inputs

8 Programmable digital outputs

DELTA ARTICULATED ROBOTS
PRECISION INDUSTRIAL ROBOT

DRV SERIES

Model		DRV70L Series	DRV90L Series	DRVA1L Series	DRVA4L Series
Number of Axes		6			
Max. Working Range		710 mm	900 mm	1,111mm	1,411mm
Max. Payload		7 kg			
Motion Range	J1	±170°			
	J2	+133° / -105°	+135° / -105 °	+135° / -105 °	
	J3	+60° / -205°			
	J4	±190 °			
	J5	±120 °			
	J6	±360 °			
Max. Speed	J1	450°/ sec	370°/ sec	240°/ sec	200°/ sec
	J2	340°/ sec	260°/ sec	220°/ sec	165°/ sec
	J3	510°/ sec	410°/ sec	295°/ sec	220°/ sec
	J4	550°/ sec		465°/ sec	
	J5	550°/ sec		480°/ sec	
	J6	820°/ sec		705°/ sec	
Max. Composite Speed		11,000 mm / sec	10,600 mm / sec	9,400 mm / sec	9,100 mm / sec
Allowable inertia		0.47 kg*m²			
		0.47 kg*m²			
		0.15 kg*m²			
Allowable moment		16.6 Nm			
		16.6 Nm			
		9.4 Nm			
Repeatability		±0.02 mm	±0.03 mm	±0.04 mm	±0.05 mm
Standard Cycle Time*1		0.32 sec	0.35 sec	0.48 sec	0.54 sec
Installations		**Table-top, ceiling-mount, wall-mount *2**			
Built-in Design		With 1 12Pos. circular connector for sensor connections and 2 ø6 pneumatic tubes (one for the embedded 3 sets of solenoid valves, one for extension)			
IP Rating*3		IP40 (Standard) / IP65 (Optional)*4		IP65 (Standard)	
Environment	Ambient Temperature	0˚C ~ 40˚C			
	Humidity	20 ~ 85 %RH			
	Vibration	0.5 G			
Weight		37 kg	39 kg	76 kg	82 kg
Robot Controller		DCV Series			

COMPUTER INTEGRATED MANUFACTURING (CIM) SET UP

INDUSTRIAL

EDUCATIONAL

Highlights of Cadmech CIM Setup

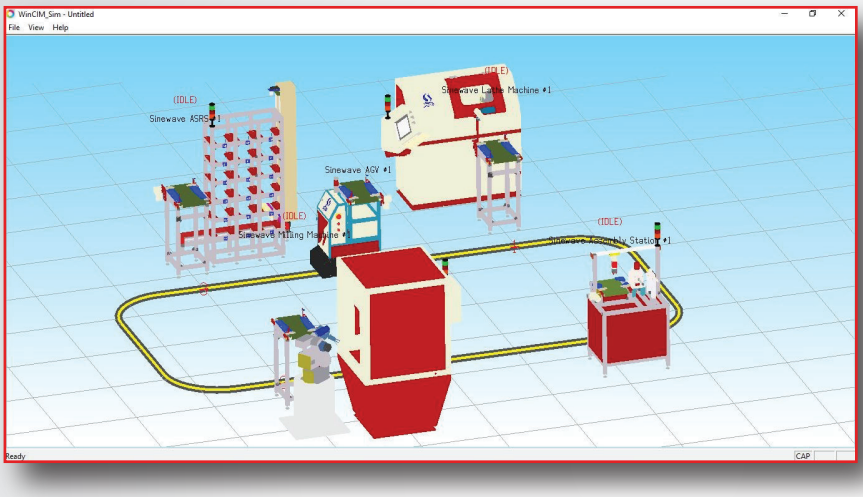
The Integration of the total manufacturing of enterprise through the use of integrated systems and data communications coupled with new managerial philosophies that improve organizational and manufacturing efficiencies.

Cadmech CIM Setup Comprises of

- Electronic Height Gauge
- Automated Guided Vehicle
- Coordinate Measurement Machine
- CNC Mill Trainer with Loading Arm
- CNC Lathe Trainer with Loading Arm
- Vision Inspection System (Quality control Station)
- ASRS
- 6 Axis Robot
- SCARA Robot
- Pallet Conveyor
- Assembly Station

Integration of Systems and Technologies

- Material storage and feeding (ASRS, feeders, palletizing racks).
- Material handling (robots, conveyors, slidebases, pneumatic transfer units, Positioning tables, vises, end effectors and tool changers).
- CNC machining (turning, milling, engraving, automatic tool changers).
- Pneumatic and hydraulic systems (manipulators, Chucks, feeders, vises)
- Identification, detection and tracking (RFID scanning, pallet tracking sensors, switches).
- Quality control (machine vision, coordinate measuring machine, electronic height Gauge).
- Programmable logic controllers (PLC)



REAL TIME SIMULATION

Software Architecture

- Interfaces with a variety of machines and robots by means of device drivers (small interface programs that translate and transmit messages between the CIM manager and the machines at CIM stations).
- Stores all data in standard industrial database format, allowing easy access and manipulation on any level. Data files can be read by any Windows application (e.g., Excel, Access, MS-SQL) and exported to any other application. Easily imports and uses data files from external applications.

Dynamic 3D Graphic Simulation

- Fully functional, dynamic 3D simulation module.
- Accurately simulates operations and movements of machines, robots and peripheral axes, including components such as safety Doors, chucks and spindles.
- Accurately simulates part transportation and manipulation, including movement of pallets on conveyor and supply of parts from storage cells and feeders.
- Accurately simulates manufacturing processing, including milling, turning, engraving.
- View control: zoom in and out, rotate (pan), view from above, below and any angle in between; camera redirect (reset camera's focal point), drag camera.
- Improves comprehension of CIM management and manufacturing processes by viewing 3D graphic dynamic on-screen simulations.
- Allows programming and operation of the CIM system without causing damage to actual equipment or disrupting operation of the actual CIM cell.
- Enables experimentation with CIM cells in which some components actually operate while others are simulated.

MODULAR MANUFACTURING SYSTEM
WITH IOT & AR-VR

SMPST-101 is a flexible and compact MODULAR system which includes industrial automation technologies. SMPST -101 comprises up to 5 independent stations with integrated control. This modular equipment features a higher number of stations in the same space, which means that more users will be able to work at the same time. Starting with an initial basic configuration station can be easily enhanced by adding workstations at later stages as per the need.

SMPST -101 offers professional skills training to suit the world of industry using Standardized industrial components. The different stations such as Feeder Station, Inspection and Quality station, Buffer Station, Process Station and Sorting Station provide the system with greater flexibility, the stations adapt to a wide variety of assemblies, introducing variations in the materials, colors and part sizes.

Feeder Station

Inspection Station

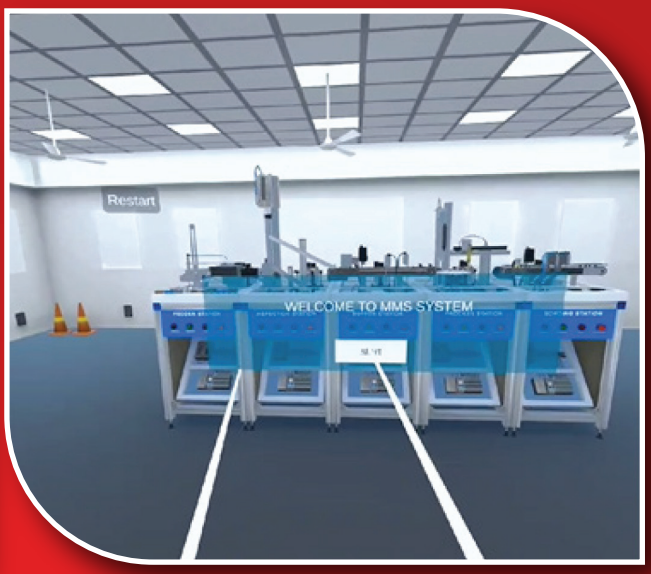
Buffer Station

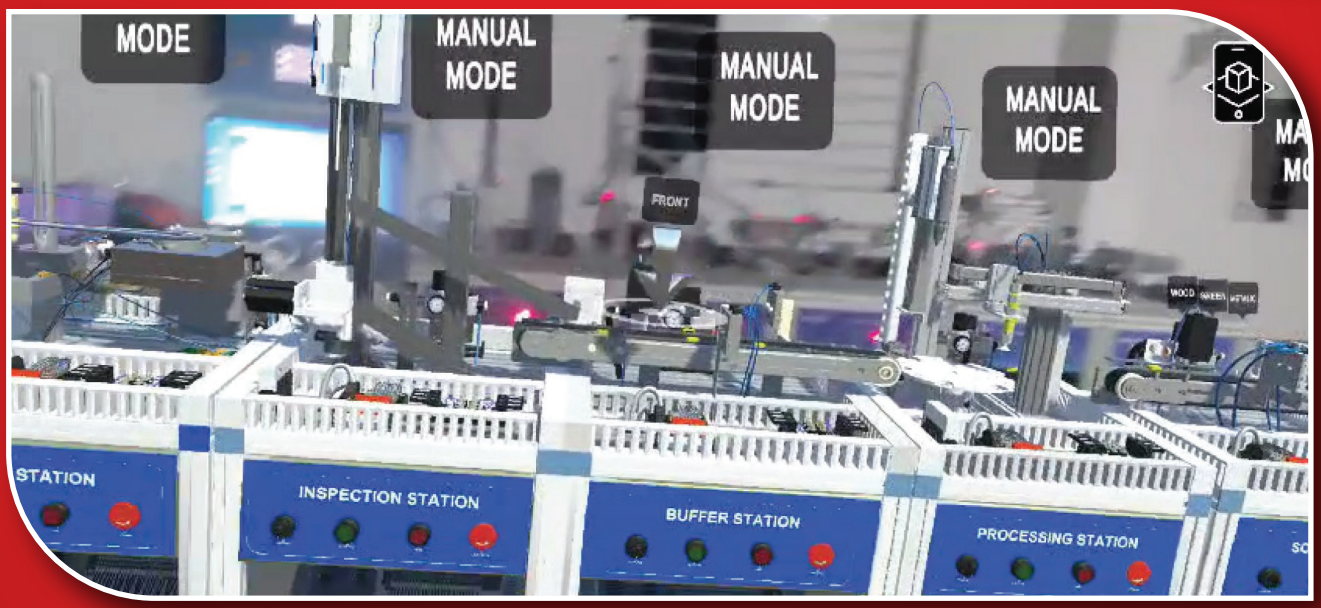
Sorting Station

Process Station

Virtual Reality

- Augmented Reality





- AR-VR Devices

HYDRAULIC & PNEUMATIC TRAINER

Features

- Mobile and self-contained unit, only electrical connections are required.
- Simplicity of operation and designed for amateur use.
- Built in safety valve is fitted.
- Modern Industrial components from reputed manufacturers are used
- Realistic Industrial circuits are demonstrated.
- Special fixture used for pipe bending and ferrule fitting arrangement.
- System is flushed with very high velocity (4 times the working) by separate oil which maintains class cleanliness of system.
- All valves, cylinder are tested at 150% working pressure.
- Cylinder from precision honed tube, hardened ground, hard chrome plated piston rod and imported quality seals.
- Flow measurement is possible in different lines.
- Training of Trainers offered at regular intervals.
- Potential free contacts for limit switches

Hydraulic Trainer

Pneumatic Trainer

Specifications

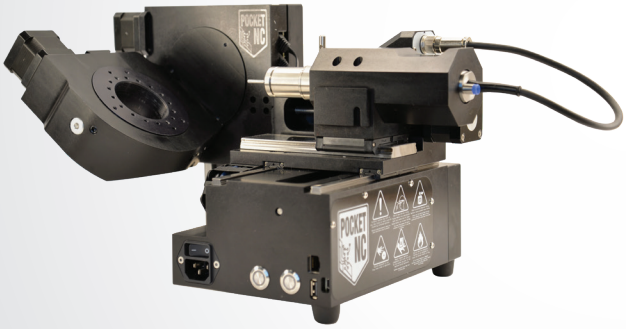
Components	Basic	Electro Hydraulic	PLC Based Hydraulic
Trolley with frame & caster wheels	1	1	1
Hydraulic Tank with Filter & Breather	1	1	1
3 Phase Foot & Flange mounted Electric Motor	1	1	1
Bell Housing	1	1	1
Flexible coupling	1	1	1
Pressure Gauges	2	3	3
Gear Pump	1	1	1
Relief Valve	1	1	1
4/3 way Direction control valve	1	1	1
Valve mounting plate	1	1	1
Throttle valve Pressure compensated Flow control valve	1	1	1
Check valve	1	1	1
Single Acting cylinder	1	1	1
Double Acting cylinder	1	2	2
4/2 way Direction control valve	1	1	1
Pilot operated check valve	NA	1	1
Sequence valve	1	1	1
Pressure Reducing valve	1	1	1
Flow meter	NA	1	1
Pressure switch	NA	1	1
4/3 way Double Solenoid operated Direction control valve	NA	1	2
4/2 way Single solenoid operated Direction control valve	NA	1	2
Limit Switches	NA	2	2
Proximity sensor	NA	2	2
Electro Hydraulic controller	NA	1	1
Hydraulic High Set Pressure Hoses	6	14	1
PLC (SIEMENS/DELTA)	NA	NA	1

Components	Basic	Electro Hydraulic	PLC Based Hydraulic
Trolley with Caster wheels	1	1	1
Quick Push-Pull connection	12	30	1 set
High Pressure Tubing (PU6)	5m	9m	12m
5/2 way lever operated valve	1	1	1
5/3 way Lever operated DC valve	1	2	2
Pressure Gauge 4" Dial	1	1	1
5/2 way Single Pilot operated Direction control valve	1	1	1
5/2 way Double pilot operated Direction control valve	1	1	1
AND Gate valve	1	1	1
OR Gate valve	1	1	1
Time delay valve	NA	1	1
Quick exhaust valve	1	1	1
One way flow control valve	2	2	2
Single acting cylinder	1	1	1
Double acting cylinder	1	2	2
FRL unit	1	1	1
Manifold	1	1	1
Connecting plates	1 set	1 set	1 set
Pneumatic motor	NA	1	1
Vacuum generator	NA	1	1
Proximity sensor (Inductive)	NA	1	1
Limit switch (Electrical)	NA	2	2
5/2 way single solenoid operated direction control valve	NA	2	2
5/2 way Double solenoid operated direction control valve	NA	2	2
Electronic panel	NA	1	1
PLC (ALLEN BRADLEY / SIEMENS / DELTA)			

FAB LAB SETUP

CNC Lathe Trainer

CNC Mill Trainer



5 Axis Desktop CNC

Desktop CNC Waterjet Cutting Machine

Desktop CNC Router

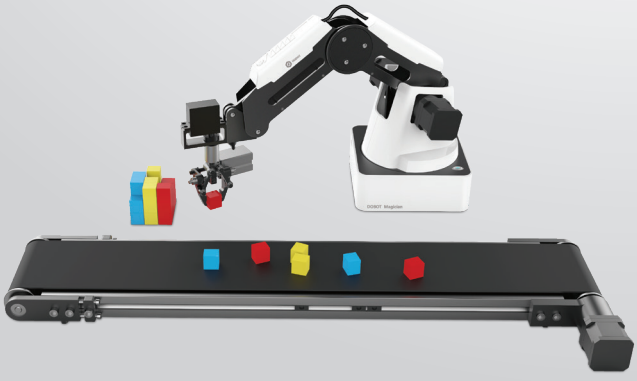
Desktop CO2 Engravers

6 AXIS INDUSTRIAL ROBOT CELL

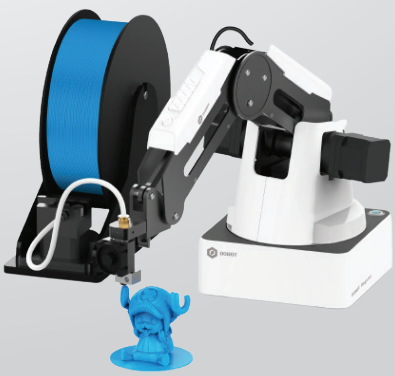
6 Axis Industrial Robotics Lab With Working Cells

Scara Robot Lab

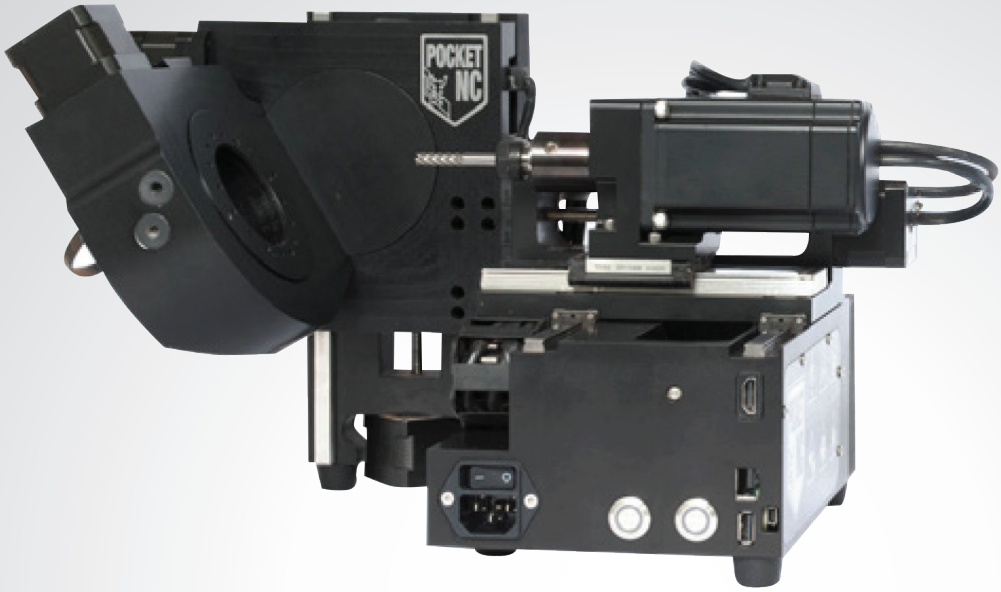
AI Robot With Conveyor



3d Printing



POCKET NC
MODEL - V2-10_V2-50



Max Travel

- X: 4.55 in (115.5mm)
- Y: 5.05 in (128.3 mm)
- Z: 3.55 in (90.1mm)
- A: -25° to 135°
- B: Continuous Rotation (-9999° to 9999°)
- Tested on G5 titanium, 6061 aluminum, 303 stainless, machinable wax, acetal.
- Accepts standard G Code. Test G Code at sim.pocketnc.com

AXIS	MAX TRAVEL	SPEED
X	4.55 in (115.5 mm)	60 in/min (1524 mm/min)
Y	5.05 in (128.3 mm)	60 in/min (1524 mm/min)
Z	3.55 in (90.1 mm)	60 in/min (1524 mm/min)
A	-25° to 135°	40°/second
B	Continuous rotation (-9999° to 9999°)	40°/second

AXIS	BACKLASH
X & Y	0.0005 in (12.7 µm) at tool base
Z	Backlash at 18 pound (8.16 kg) load: 0.0005 in (12.7 µm)
A & B	0.01°

AXIS	RESOLUTION & REPEATABILITY
X & Z	Resolution: 0.00024 in (6.10µm) Homing Repeatability: ±0.0005 in (12.7µm) Repeatability: ±0.002 in (50.8µm) at 0%
A & B	Resolution: 0.01° Homing Repeatability: ±0.05° Repeatability: ±0.05° at 0% load Runout: < 0.002 in (50.8 µm)

Recommended part tolerance ±0.005in (.127mm)

SPINDLE	
Spindle Speed	2,000-10,000 RPM
Power	200 W (Max Power)
Spindle Motor	BLDC 3 Phase with Hall Feedback
Spindle Runout	~0.0005 in (12.7 µm)
Tool Change	3mm Hex Key ER11 Collet

MACHINE CONTROL

Texas Instruments Arm Cortex A8 running Machinekit/Rockhopper

Accepts Standard Gcode

Features	Spindle Override Feed Override Stop, Start, Pause 5 axis simultaneous movement
Connectivity	Ethernet, USB, and mini USB
Power Source	90-264 VAC, 127-370 VDC, 47-63Hz

COMPONENTS

6061 Aluminum Frame, ±0.001 in (+/-25.4 µm) squareness in all axes

Machine Footprint: 17.5 in (444.5 mm) x 12.5 in (279.3 mm)

5 NEMA 17 Motors	3 linear lead screws with preloaded nuts 2 Rotary Worm Drives
Linear Bearings	9 and 42mm, 10% preload

Integrated angular contact rotary bearings

PURCHASE INCLUDES:

One extended reach tool holder
1/8 inch ER11 collet and nut
1/8 inch square end mill, single flute
Pocket NC vise and hardware
Pocket NC limited 1-year warranty

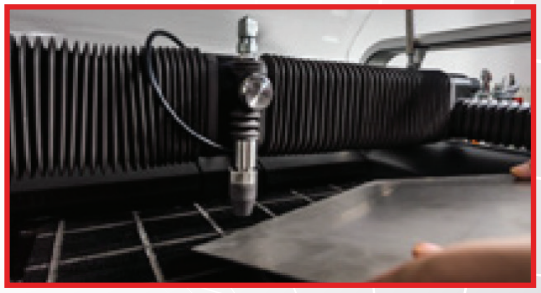
Wazer - Water Jet Cutting Machine

Standup Model

Desktop Model

1. Upload Your Design

Prepare your design for waterjet cutting with our free, web-based software.



2. Load Your Material

Load any material that fits inside the water jet machine and fasten it in place.

3. Cut Your Part

Transfer your cut file to WAZER with an SD card, and let the water jet take it from there to create your cut pieces.

WAZER

Specifications

Cut bed size (D X W)	: 13 X 19 in (330 X 485 mm)
Cutting area	: 12 X 18 in (305 X 460 mm)
Width of cut	: 0.044" (1.2mm)
Abrasive usage	: 0.33 lb/min (140g-150g/min)
Power	: 220 V / 50 Hz
Software	: Free, web-based (WAM)
File Types	: .dxf, .svg
Warranty	: 1 year
Cutting Materials	: Cuts Any metal, glass, plastic, composites, tile, rubber, foam
Cutting Speed	: Depends on Material and Thickness
Max. Cutting Thickness	: Varies by Material
Continuous Cutting Time	: 60 min (prior to refilling the abrasive hopper)
Working pressure	: 4,600 psi / 317 bar
Working flow rate	: 0.5 GPM / 1.9 L / min
Water source	: Filtered Tap Water
Input water filter	: 300 mesh
Input water pressure	: (Minimum) 35 psi / 2.4 bar
Input water flow rate	: (Minimum) 1 GPM 3.8 L / min

Abrasive Specifications

Material	: 80 Mesh Alluvial Garnet
Abrasive capacity	: 30 lb 13.5 kg

RESELLERS AUTHORIZATION

WAZER

WAZER Inc.
4 Executive Plaza
Suite 175
Yonkers, NY 10701
www.wazer.com

Nov/17/2023

Letter of Authorization

WAZER Inc. is the sole designer and manufacturer of the WAZER waterjet products, including the WAZER Desktop, WAZER Standup, WAZER Starter Bundle and related accessories.

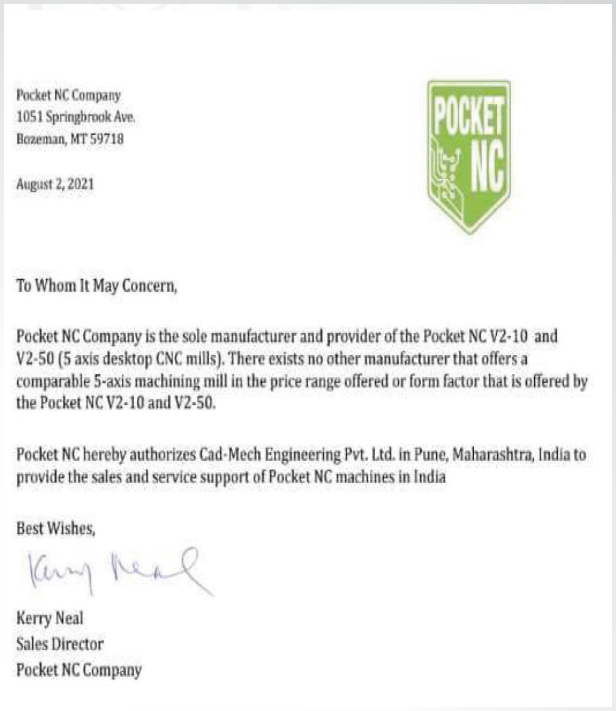
CAD-Mech Engineering Private Limited, located at; Suyash Apt., Wadgaon Bk, Pune - 411041, INDIA, is authorized to sell Wazer Inc products in India.

CAD-Mech Engineering Private Limited is the sole Authorized Reseller in India, responsible for sales and technical support for all Wazer Inc products.

Sincerely,

Tom Herd

Tom Herd
Vice President, WAZER Inc.
(929) 265-5163
info@wazer.com



Pocket NC Company
1051 Springbrook Ave.
Bozeman, MT 59718

August 2, 2021

To Whom It May Concern,

Pocket NC Company is the sole manufacturer and provider of the Pocket NC V2-10 and V2-50 (5 axis desktop CNC mills). There exists no other manufacturer that offers a comparable 5-axis machining mill in the price range offered or form factor that is offered by the Pocket NC V2-10 and V2-50.

Pocket NC hereby authorizes Cad-Mech Engineering Pvt. Ltd. in Pune, Maharashtra, India to provide the sales and service support of Pocket NC machines in India

Best Wishes,

Kerry Neal
Sales Director
Pocket NC Company

CERTIFICATIONS

TRANSPACIFIC CERTIFICATIONS LIMITED

Certificate of Registration

This is to certify that

Quality Management System

of

SINEWAVES ENGINEERING PVT LTD.

Gat No. 30, Kasurdi, Behind Yojraj Resort, Tal. Bhor, Dist. Pune.– 412 205, India.

complies with the requirements of

ISO 9001:2015

This certificate is valid concerning all activities related to:

Manufacturing and Supply of Engineering Educational Equipments.

ANSI/IC Code: 2419

14257 Certificate No. | Sep. 02, 2019 Date of this Certificate | Sep. 07, 2020 *Next Audit Due Date

Sep. 08, 2012 Date of Initial Registration | Sep. 07, 2021 Certification Expiry Date | Managing Director/Director

TRANSPACIFIC CERTIFICATIONS LIMITED

ISO CERTIFICATE

GOVERNMENT OF INDIA
व्यापार चिन्ह रजिस्ट्री
TRADE MARKS REGISTRY
व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999
व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2) नियम 62 (1)
Certificate of Registration of Trade Mark, Section 23 (2) Rule 62 (1)

Certified that the Trade Mark / a representation is annexed hereto, has been registered in the name(s) of

V-RAMP SYSTEMS, INDIAN NATIONAL, Trading as : V-RAMP SYSTEMS, PUNE-411 041, MANUFACTURERS AND MERCHANTS, (Single Firm)

Trade Mark No. 1935535 | Date 15/03/2010 | J. No. 1454

In Class 9 | Under No. 1935535 | as of the Date 15 March 2010 | in respect of

Good Description As Annexed

Sealed at my direction, this 01st day of April, 2011

MUMBAI

Registrar of Trade Marks

Trade Marks Registry,

TRADEMARKS CERTIFICATE

NSIC
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
ISO 9001 : 2008
(A Government of India Enterprise)
Sr. No. 15870

GOVERNMENT PURCHASE ENLISTMENT CERTIFICATE
(Valid from 19/04/2014 to 18/04/2016)

Ref. No. NSIC/GP/DMR/2014/27063 Date: 21/04/2014

M/S. SINEWAVE ENGINEERING PVT. LTD.
SR. NO.28/23, ANANT INDUSTRIAL ESTATE,
DHAYARI-NARHE ROAD,
DHAYARI,
PUNE. – 411 041

Factory Address:
SR. NO.28/23, ANANT INDUSTRIAL ESTATE,
DHAYARI-NARHE ROAD,
DHAYARI,
PUNE – 411 041

NAME OF DIRECTORS
MR. PRASHANT G. BUDE
MR. PRASHANT A. WASH
MR. PRAKASH A. SULAKHE

Certificate of Regn. Under Single Point Registration Scheme. Units registered under this scheme are considered to be at par with those registered directly with DGS & D.

Constitution of the Firm : PVT. LIMITED

GOVERNMENT PURCHASE REGISTRATION No. NSIC/GP/DMR/2014/0003608

Monetary Limit: ₹103 (₹ One Hundred Three lakhs Only)

TURNOVER (Rupees in Lakhs)

Financial Year	Annual Turnover
2010-11	194.79
2011-12	287.46
2012-13	136.36
Monetary Limit	103

Your name has been registered as a SSI unit eligible for participation in the Central Government Stores Purchase Program me as per the Single Point Registration Scheme for the following items / Stores/Services:-

Sr. No.	Name of Store(s)/Service(s)	Specification to which stores are manufactured	Qualitative Capacity	Quantitative Capacity P M

"As Per List Attached"
(6 Item Only)

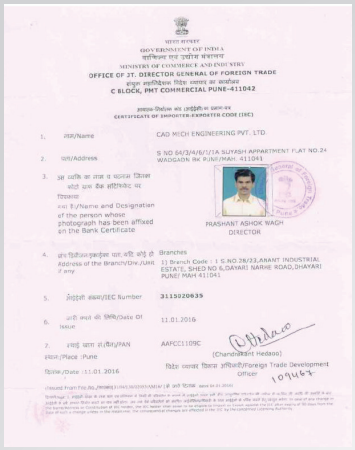
M/S. SINEWAVE ENGINEERING PVT. LTD. PUNE, MAHARASHTRA

"Authenticity of the certificate can be checked through the web portal : www.nsicproniine.com"

Authorised Signatory

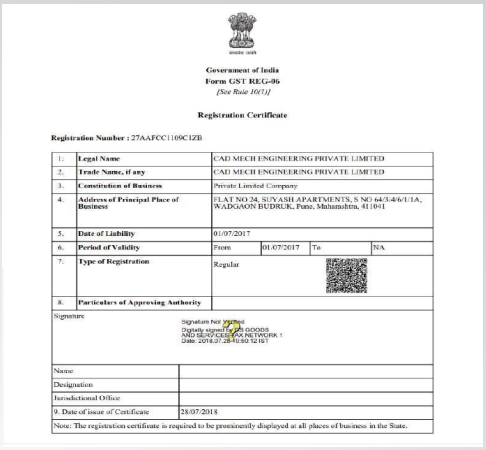
Conditions overleaf

NSIC CERTIFICATE



IMPORT-EXPORT CERTIFICATE

MSME CERTIFICATE



GST CERTIFICATE

OUR BRANDS

CADMECH Advancing Education

FANUC

PENTA MACHINE CO.

WAZER

BRAVOPRODIGY CNC

DOBOT

DELTA

GCC