

# METAL CUTTING CIRCULAR SAW MACHINE



ALEEN MACHINE TOOLS  
#249/101 NIL GIRI APARTMENTS,  
ANUP NAGAR, INDORE - 8 (M.P.)  
E-mail : amtindore@gmail.com  
Mob.-9302438337

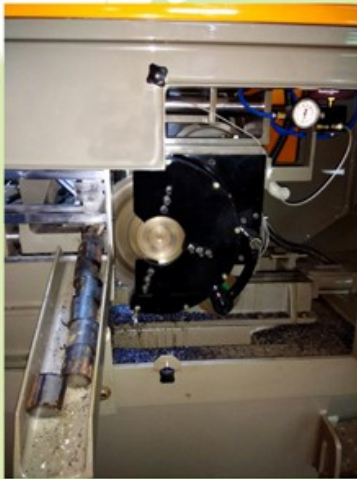
**ALEEN** MACHINE TOOLS

**ALEEN-55-CSA**

ALEEN MACHINE TOOLS

## SAW CUTTING HEAD

Available in both Versions, Hydraulic and Servo Controlled



## AUTO INDEXING

Auto Indexing is also available in both Versions, Hydraulic and Servo Controlled



## SALIENT FEATURES

- High precision machine with the cut-length accuracy up to +/- 0.050mm. Using high precision ball screw with AC Servo motor for the super fast and precise movement of the shuttle table. (Available in CSNC Model)
- Rigid construction of the cutting head, moves on state of the art Linear Motion Guideways which facilitates very accurate and nearly friction less movement. Because of the use of linear motion guides the life of cutter is substantially increased. (Available in both models)
- Micro mist oil used as coolant. No water-flood coolant is used thus no spillage and no dirty shop-floors. No requirement of coolant filtration processing. Swarf generated from cutting is absolutely dry thus the cost-realisation of scrap after selling is much better than conventional band-sawing machines.
- Ergonomically designed Electric control panel with HMI touch screen.
- Back-Lash Free high torque generating Gear Box which improves the cutting finish and enhances the cutter life.
- HMI Self diagnostic feature for easy trouble shooting, warning, cautions, alerts etc. (Available in CSNC Model)
- HMI display feature lot size programmed & cut completed, program number in use, current drawn by saw motor, etc. (Available in CSNC Model)
- Excellent cut-surface finish which does not require any facing operations. Which saves time and increases production.
- Longer cut pieces can be cut very easily as the shuttle stroke is 1000 mm, with multi indexing. (Available in CSNC Model)
- Mechanical Wire brush for efficient and positive cleaning of saw blade.
- Automatic swarf conveyor suitable to carry out chips from the machine.
- Manual/Auto lubrication system.
- Infinitely variable saw speed control through Inverter/Variable Frequency Drive.
- Variable vice pressure for cutting pipes. (Optional)
- Flood coolant system (Optional)
- Automatic Bar loader for Square/Hex jobs, for continuous feeding of the bars into the machine. (Optional)

## ELECTRIC CONTROL PANEL AUTOLOADER (OPTIONAL)

Available in both Versions, Hydraulic and Servo Controlled



Available in both Versions, Hydraulic and Servo Controlled



## CHIPS CONVEYOR

Available in both Versions, Hydraulic and Servo Controlled



## HYDRAULIC POWER PACK

Available in both Versions, Hydraulic and Servo Controlled



## PLC

Available in both Versions, Hydraulic and Servo Controlled



# METAL CUTTING CIRCULAR SAW MACHINE



## ALEEN METAL CUTTING CIRCULAR SAW MACHINE SPECIFICATION

	SPECIFICATION	ALEEN 55-CSHC	ALEEN 55-CSNC	ALEEN 80-CSHC	ALEEN 80-CSNC	ALEEN 100-CSHC	ALEEN 100-CSNC	ALEEN 125-CSHC	ALEEN 125-CSNC	ALEEN 150-CSHC	ALEEN 150-CSNC
Cutting Capacity	Round Bar / RCS Bar (mm)	15-55	15-55	20-80	20-80	25-100	25-100	25-125	25-125	30-150	30-150
	Bar Stock Length (up to)	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m	6 m
	REMNANT LENGTH (mm)	150	150	150	150	150	150	200	200	200	200
Circular Saw Cutter	Type	TCT	TCT	TCT	TCT	TCT	TCT	TCT	TCT	TCT	TCT
	Dia. X Body Thickness X Teeth Thickness X Bore (mm)	285 x 1.7 x 2 x 32	285 x 1.7 x 2 x 32	315 x 1.7 x 2 x 32	315 x 1.7 x 2 x 32	380 x 2.25 x 2.6 x 40	380 x 2.25 x 2.6 x 40	460 x 2.25 x 2.7 x 50	460 x 2.25 x 2.7 x 50	520 x 2.25 x 2.7 x 50	520 x 2.25 x 2.7 x 50
	Saw speed by VFD (rpm)	50-170	50-170	50-170	50-170	50-170	50-170	50-170	50-170	50-170	50-170
	COOLANT	Micro mist	Micro mist	Micro mist	Micro mist	Micro mist	Micro mist	Micro mist	Micro mist	Micro mist	Micro mist
Coolant	Capacity / Pressure (ltrs / bar)	0.5 / 6	0.5 / 6	0.5 / 6	0.5 / 6	0.5 / 6	0.5 / 6	0.5 / 6	0.5 / 6	0.5 / 6	0.5 / 6
Saw Motor	Rpm/phase/volts/hz	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50	1440 / 3 / 415 / 50
	Power (kw / hp)	5.5 / 7.5	5.5 / 7.5	7.5 / 10	7.5 / 10	11.2 / 15	11.2 / 15	15 / 20	15 / 20	22.5 / 30	
Hydraulic motor (hp)	Power (hp)	1.5	1.5	1.5	2	2	3	3	3	3	3
Floor spce	L x w x h (mm)	2130x1830	2130x1830	2250x1950	2250x1950	2550x2100	2550x2100	2550x2700	2550x2700	2750x3000	2750x3000
	Without auto loader	x1750	x1750	x1750	x1750	x2000	x2000	x2000	x2000	x2000	x2000
Weight (approx)	Standard machine (kgs)	1500	1500	2100	2100	2700	2700	3000	3000	3450	3450

# ALEEN MACHINE TOOLS

## ABOUT US

Incorporated in the year 2005, at Indore (Madhya Pradesh, India), we, "Aleen Machine Tools," are a leading manufacturer of **Metal Cutting Circular Saw Machines**.

Our other product range also include -

1. **CHAPATI (ROTI) MAKING MACHINES**
2. **HORIZONTAL BAND SAW MACHINES**
3. **VERTICAL BAND SAW MACHINES**
4. **SPECIAL PURPOSE MACHINES.**

These products are broadly acclaimed for their perfect finish, enhanced durability, high strength, easy to use, low maintenance and corrosion resistance. In order to meet the exact requirements of our valuable clients, we offer the entire product range in a number of specifications as per their requirement.

## QUALITY ASSURANCE

For us, quality is of utmost importance and we take special efforts to maintain the highest levels of quality in our organization. We pay special attention to the raw material that we acquire for our manufacturing processes. The parameters for testing of raw material are very high in our organization, and we utilize only superior grade. This goes on to ensure that the finished range of Industrial Process Machines and Equipment is also of the highest quality.

Our quality analysts remain vigilant throughout the process of procurement of raw material and the entire manufacturing process. They ensure that the Industrial Process Machines and Equipment are flawless and will offer enhanced service to the clients. The vigilance remains of the highest order, even at the time of packaging and transit.

## DILIGENT TEAM

The entire team at our organization works with the single minded determination, of providing the clients with exactly what they need. Our technical experts are trained to understand the requirements of the client and convey the same to the rest of the team. We employ machine operators, who keep the factory floor operating smoothly at all times. They ensure that the consignments are completed on time and are of the highest quality.

Our sales team comprises of energetic and enterprising personnel, who, over the years, have created a network that extends all over the nation. They bring back vital feedback from our clients, and this assists us in manufacturing a more client friendly range of Industrial Process Machines and Equipment.

## CUSTOMIZATION

Being a client centric organization, we pay complete attention to issues relating to customization. We offer customization as per the requirements and specifications given to us by the clients. This means that we are capable of manufacturing our entire range of Industrial Process Machines and Equipment as per the exact needs of the clients.

## CLIENTELE

We have been able to attain a position of respect and repute in the industry in the past 10 years, and we have worked hard to maintain that position. Our clientele is spread across the nation, and this has been possible due to our dedication towards quality and client satisfaction. For us, the foremost aspect is the satisfaction of the clients and we strive to achieve it by offering the best range of Industrial Process Machines and Equipment, at the most competitive rates.

We offer our clients solutions that are customized as per their requirements. This implies that we can manufacture our Industrial Process Machines and Equipment in the shape, size and dimensions, given to us by our trusted clients. We also offer easy modes of payment, including, money transfer through bank, cash and demand draft, which goes to ensure that our valued clients have a hassle free transaction.

Over the years, we have been able to win over a large clientele and some of the reputed names in our list of clients are as follows:

### Private Sector

M/s A O Smith Water Heating Solutions (I) P. Ltd, Bangaluru  
M/s Maruti Suzuki (I) Ltd.  
M/s Ceat Ltd., Mumbai & Baroda  
M/s HMT Machine Tools Ltd.  
M/s Maruti Koatsu Cylinders P. Ltd.  
M/s Tube Products Inc.  
M/s Umashanker Khandelwal Forgings Ltd.  
M/s Suzuki Powertrain (I) Ltd.  
M/s Jyoti Structures Ltd.  
M/s Gmm Pfaudler Ltd.  
M/s Vivekanand Forgings Ltd.  
M/s Motherson Advanced Tooling Solutions Ltd, Aurangabad  
M/s MRG Enterprises, Chennai  
M/s Sai Laxmi Engineering, Aurangabad  
M/s Yeskay Enterprises, Chennai

### Government Sector

Metal & Steel Factory (MSF), Ichhapur  
Ordnance Factory Chanda, Chandrapur  
Center for Advanced Technology (CAT), Indore  
Mazagon Dock Ltd., Mumbai  
Bhilai Steel Plant, Bhilai



## ALEEN MACHINE TOOLS

Registered Office :

No. 249/101, Nil Giri Apartment, Anoop Nagar,  
Indore-452008, Madhya Pradesh, India

Tel : 0731 4959028 | Mobile : 93024 38337 | Email : amtindore@gmail.com

Web : www.aleenmachines.com, www.indiamart.com/aleen-machine/