

PRECISION PARTS



With today's demand for precision machined components, Chera's extensive experience and advanced technology enables us to meet the trend towards "High-Precision" and become the leading manufacturer of the Precision Turned components made out of Bright Steel, Brass, Aluminium for all types of industrial applications as per customer requirement. These products are also manufactured in our ISO 9001 plant.

METAL TREATMENT

We have specialized Metal Treatment Center and Laboratory for metal testing manned by dedicated team of engineers and Technical Staff. Our Heat Treatment Plant & Machinery includes :

- Salt Bath Furnace
- Air Circulation Tempering furnace.
- Electrical Control Muffle furnace (Lab. Type)
- Bench Grinder.
- Hardness Tester for HRC, HRA & HRB.
- Brinell Hardness Tester .
- Quenching Oil Tank
- Water Quenching Tank.
- Copper Plating Plant.

Laboratory Equipment

- Sodium Cyanide % Testing equipment.
- Polishing Machine & Several Chemicals Testing
- Carbon & Sulphur Determination.
- Eye piece for measuring the case depth.
- Microscope
- Disc polisher.
- Cut off Machine.
- Apparatus
- Balance

COMPANY PROFILE

CHERA MACHINE TOOLS, The Flagship company of the well known **CHERA** group (**Estd. 1972 by Mr. A.S. Chera**) with diverse interests in engineering automotive and machine tool among others, was set up in 1996.

CHERA is staffed with qualified, competent and experienced management, technical, quality control and sales personnel.

The company is vertically integrated to facilitate close monitoring and control at each product. The in-house facilities at the company include metal treatment plant, metal testing laboratory and most modern tool room. All these help in maintaining very close tolerances required for each product.

The company has full-fledged R&D facilities which facilitates constant product innovation and maintain high quality standards.

All this is possible through inspired leadership at the top backed by highly professionals and specially qualified work force committed to deliver the goods.

QUALITY POLICY

It is the policy of **CHERA** to meet customers requirements of quality with timely delivery with a pro-active approach and to follow a path of continuous improvement with evolvement and training of employees.

QUALITY OBJECTIVES

- To reduce customer complaints.
- To reduce in-house rejection rework and scrap.
- To improve overall turnover and productivity.

ASSOCIATE COMPANIES

- M/s Chera Engineering Works**
20/7, Indl. Area, N.I.T. Faridabad (INDIA) (**An ISO Accredited Company**)
- M/s Chera Industries**, 24A, Industrial Area, N.I.T. Faridabad (India)
- M/s Chera Enterprises**, 20/6, Industrial Area, N.I.T. Faridabad (India)
- M/s Haryana Metal Treatment**, 6, Industrial Area, N.I.T. Faridabad (India)
- M/s Chera Engg. Works**, C-9, Focal Point, Indl. Area, Nawanshar, Punjab (India) (Foundry Unit)
- M/s Jhika Industries**, B-14, Focal Point, Indl. Area, Nawanshar, Punjab (India)



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Precision Performance Productivity



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AUTOMATIC LATHE C-15/25/30/32/42/60

Chera Automats are extremely versatile machines that give big returns on small investments. All turning jobs can be profitably handled by these automats with accuracy and precision. More and more leading companies and ancillary units are using Chera bar automatic lathes to create an infinite range of components catering to a host of industries.



MODEL	C-15/25/30/32
Spindle Capacity-Round	15/25/30/32 mm
Square	10/18/21/22 mm
Hexagon	12/22/26/27 mm
Max. Turning Length	70 mm
Max. Capacity of Tail Stock Collet	13 mm
Spindle Speed (12 Step) rpm	900-6500/550-4000/ 355-2640
Production Rate	28-2100 pcs/hr
Total Power Consumption	2 / 2.7 KW
Net Machine Weight	650/750 Kg. Approx.

MODEL	C-42/60
Spindle Capacity-Round	42/60 mm
Square	29/42 mm A/F
Hexagon	36/52 mm A/F
Max. Turning Length	100 mm
Max. Capacity of Tail Stock Collet	28 mm
Spindle Speed (12 Step) rpm	200 - 2000
Production Rate	10-1000 pcs/hr
Total Power Consumption	4.6 KW
Net Machine Weight	1200 Kg. Approx.



Standard accessories : Cross Slide, Tail-Stock with collet mechanism, Bar Feed Attachment, Electrical equipments with control panel, Motors, Coolant Pump with fittings, Set of change gears, Set of hand tools, Splash guards, Chip tray, Weights, Pusher rod, Rope for bar feed, Grease Gun, Stand.

Extra accessories : Double vertical slide, Long turning attachment, Automatic electric shutter, Piece counting attachment, All type of Tool holders, Centering and Stopping attachment, Cam Setting device, Over-head swing stop, Double drilling attachment, Thread milling attachment, Four station turret, Protective cover, CI body base, Cams, Collets and extra tooling.

TRIMMING MACHINE FOR OIL SEAL INDUSTRIES



CHERA Oil Seal Metal Insert Trimming Machines have very high production rate combined with unmatched quality. The operator has to provide the oil seal metal insert machine and all operation will be done automatically. It is so convenient that even a fresh worker can operate easily.

MODEL	CIOS - I/A	CIOS-II/B
Cutting Range	30 - 100 mm	101 - 180 mm
Production Rate/Min.	8-12 pcs.	6-10 pcs.
Motor (Electric) 2 Nos.	1.0/0.5 HP	
Power Source	AC 440 V. 3ph.	
3-Dimensions (cm)	L-80 x W-48 X H -118	
Machine Weight	550 Kg. Approx.	

CAPSTAN & TURRET LATHE

CHERA Capstan & Second operation Turret Lathe is designed for chuck work as well as collet work. It is ideal for manufacture of simple and complex turned parts both from bar and blanks. The blanks can be pre-turned, forged or cast. The simple design allows quick and easy setting of the machine.

MODEL	CSO-25/30/32
Max. Bar Size-Round	25/30/32 mm
Square	18/21/22 mm A/F
Hexagon	22/26/27 mm AF
Chuck (Jaw Opening/swing)	90 mm / 140 mm
Turret-No. of Stations	6
Turret Bores	19.05 mm dia H7
Travel-cross/Vertical slide	60/25 mm
Distance between spindle nose and turret face maximum/ Minimum	245/75 mm
Threading Capacity external/internal	M5 to M14 for ferrous & M5 to M16 for non-ferrous
Weight of Machine (App.)	375 Kgs.



Standard accessories : Six-station turret with indexing mechanism, Single vertical slide & Cross slide without tool holder, Quick collet chucking mechanism without collet.

Extra accessories : Eight-Station turret in place of Six-Station at extra cost, Chuck with key, Automatic threading Attachment, Long turning attachment, Coolant Pump, Bar Feed attachment.

CLUTCH PRODUCTS



Chera Clutch products like Clutch Assemblies, Clutch Plates, Lever Kits and Components are the result of our 36 years research and feedback from the market. These products are manufactured in our ISO Certified Plant and tested in laboratory and test track to ensure reliable and long lasting performance.

BENCH VICE



MODEL	CV-I	CV-II	CV-III	CV-IV
Size (Jaws Width) in mm/inch	75/3	100/4	125/5	150/6
Weight Kg. (App.)	3	8.5	21	37
Applications	All types of Industries, Tool Room Assembly Shops etc.			

Chera Precision Rear Jaw Sliding Bench vices are made from Graded Cast iron with high Carbon Steel. These vices have several advantages over front sliding jaws vices due to its unique design. Long jobs are supported by the bench and does not fall on the floor accidentally while loosening. Due to uniform movement of the rear slide and hardened & ground jaws, it grips the job strongly and requires least torque at handle. Vices are available in four different sizes to meet your requirements.