



MILLENNIUM MACHINE WORKS

An ISO 9001-2015 Certified Company.

No.7/10, Adhavan Industrial Estate, Athipalayam Road, Chinnavedampatti (PO),
Coimbatore - 6410049, Tamil Nadu, India.

Desk: +91-422-4504604; Cell: +91- 9842244604, 9345544604;

TIN No. 33212023978

C.S.T.No : 685680 Dated: 1-6-2000 IAC: 1 0 6

GST. 33AGMPB7095C1ZK

Website : www.millenniummachineworks.com, cncprecisioncomponents.com, jigsfixturesgauges.com





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Profile

Founded in 2000 by **R.Balaji**, an Engineer with over 32 years of entrepreneurial experience, Millennium Machine Works is a professionally-managed Engineering Company based at the South Indian city of Coimbatore. Millennium caters to the Manufacturing Industry supplying them a wide range of Precision Components in small/medium batch sizes, Design Development/Manufacture and supply of Jigs, Fixtures (Hydraulic & Mechanical), Receiving Gauges, Sub Assemblies among others.

1.0 Infrastructure

At Millennium Machine Works, we have a modern machine shop of 5000 sq.ft area equipped with both CNC & conventional Machinery which enables production of quality Components. .

2.0 Services offered

- CNC Machined parts (Valves, Earthmoving; Railways & General Eng.)Component Machining.
- Design Development & Manufacture of Jigs & Fixtures (Hydraulic & Mechanical) for the Manufacturing Industry.
- Design Development & Manufacture of Assembly Fixtures & Receiving Gauges

3.0 Expertise

- Development of New Components from Casting stage in a variety of Material Grades with selection of suitable Process and Tooling.
- Supply of Precision machined parts from Barstock and Rolled Plates in various grades with Chemical and Mechanical Test Certificates.
- Components can also be supplied in Heat treated or Surface treated conditions making use of the Vacuum Heat treatment and Plasma Nitriding facilities available in our city.
- Our Design Development Team has provided effective and productive Work Holding solutions for single set-up machining on HMC/VMC of many difficult to hold components.
- We have also manufactured at short lead times, critical Work holding Fixtures that were approved in single iteration for customers like General Electric; Caterpillar; Siemens and Meritor.

4.0 Team

At Millennium Machine Works, we have a team of qualified and experienced professionals, having expertise in Solid works software who ably support the Machine Programming and Design.

5.0. Quality

- Qualified & experienced engineers handle the Quality Control area, using latest instruments, which include TRIMOS Height Master Vectra Touch 600 with computerized statistical analysis.
- Mitutoyo Instruments, including bore gauges up to 500 mm; digital vernier up to 600 mm; micrometers up to 300 mm, besides micron dial gauges.
- Surface Table - grade 0; 1000/1600 mm size

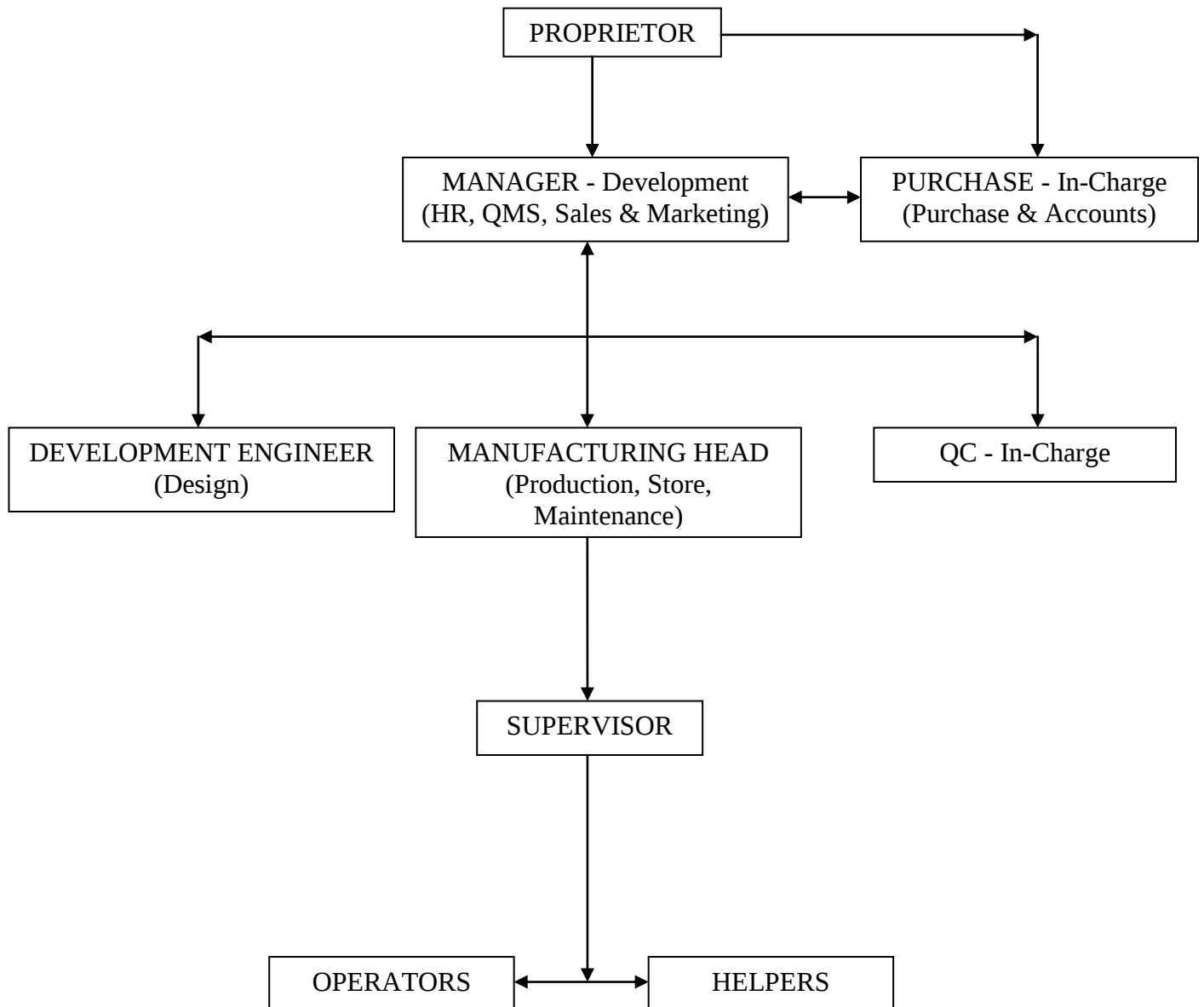
6.0 Partial list of Customers.

- KSB Pumps Limited
- BEML Limited
- Sanmar Matrix Metals Ltd. (Ex. Sanmar Foundries Limited)
- Shanthi Gears limited
- Ampo Valves
- The Tata Power Company Limited Strategic Engineering Division (Tata Power SED)
- Anugraha Valve Castings Limited
- Circor Flow controls
- Velan Valves India PVT Limited
- Sri Ranganather Industries & Valve Castings
- Hailstone Innovations Pvt Ltd
- RRK Alloys
- Revathi Equipment Limited
- PK Steel Castings
- Orbinox India Private Limited (Indian arm of the Spanish company)
- Malanad Alloy Castings P Ltd & Malnad prime machining technologies P Ltd
- CRI Valves
- Usha Engineering
- Valveworks India P Ltd
- Karmen International Pvt Ltd
- Elliott Ebara Turbomachinery India Pvt Ltd
- A few clients in the US & UK.

7.0 List of Machinery

Sl No	Types Of Machine / Equipment Facility Description	Make & Model	Serial No / Model No	Machine Specification	No of M/C	Purchase Condition	Year of purchase	Remarks
1	CNC VTL	HWACHEON 550 "R" (YOM 2006)	M086354G4E/ 2006-07	Max Turning Dia-600 mm & Max Ht-700 mm	1 No	New	2006	18" Chuck Max.Swing Dia-820 mm
2	CNC VTL	HWACHEON 550 "R" (YOM 2011)	M08635914A / 232 / 2011-05	Max Turning Dia-600 mm & Max Ht-700 mm	1 No	New	2011	18" Chuck Max.Swing Dia-820 mm
3	CNC VTL	HWACHEON 550 "R" (YOM 2017. 11)	M086355J4G D / 2007-11	Max Turning Dia-600 mm & Max Ht-700 mm	1 No	Old	2023	21" Chuck Max.Swing Dia-820 mm
4	CNC LATHE	LMW (YOM-31.07.2022)	L226-00076 / LLX20TL5	Dia200mm chuck, Max. Turning Dia.x 320mm, Max. Length 500mm,	1 No	New	2022	8" Chuck Max. Swing Dia. 510mm, A2-6 Spindle 65mm Bar with Dual Clamp Pressure
5	VMC With 4th Axis (GANRO DR500 R)	TWINHORN VTJ-1680 (YOM 2011)	V1105016 / 2011-10	Table : 1700*800 *1000 Travel 1600*800*800 (X,Y,Z)	1 No	New	2011	Rotary Table Max.Swing Dia-760 mm CH-310mm+ 70mm
6	VMC With 4th Axis (HAAS - HRT-310)	HAAS (VF-4)	1165447 / VF-4	Table : 1321*476 *742 Travel : 1270*508*635 (X,Y,Z)	1 No	New	2019	Rotary Table Max.Swing Dia-450 mm CH-228mm
7	Heavy Duty Lathe	TURNER 10 Feet (YOM 2014)		Max Turning Dia-1000 mm & Max Ht-1600 mm	1 No	New	2015	Chuck Max.Swing Dia-1000 mm
8	Precision Lathe	TURNER 7 Feet (YOM 2000)		Max Turning Dia-400 mm & Max Ht-900mm	1 No	New	2001	Chuck Max.Swing Dia-520 mm
9	Tool Room Milling Machine with DRO & Rotary Head	ESTEAM - 4KS	1111812 / 2011-06	1000*400*400 (X,Y,Z)	1 No	New	2011	Rotary Table Max.Swing Dia-320 mm
10	Radial Drilling Machine			350*850 (X,Z)	1 No	New	2000	
11	Height Master	TRIMOS Vectra Touch 600 MA	7234	upto600mm	1No	New	2007	
12	Surface grinding machine	VOJUS	BRH 50B II / 500 039 / 2001	Table : 1000x500 Travel : 1200*500*675 (X,Z,Y)	1 No	Old	2019	
13	Universal Milling Machine	Dmitrovskij plant (Russia)	6D82SH / 23-1988	950*320* Horizontal- 50-390, Vertical-155-555	1 No	Old	2019	
14	M.CUTTING BANDSAW	LAXSON LK.1 HS		Vise Opening 200MM	1 No	New	2022	
15	Generator	GMMCO	Eng. No: CAEM200947, Eng. Model : AL4DTG3, Alternator : 144468	62.5 KW	1 No	New	2012 - 03	

8.0 Man Power Organization Chart.



9.0 MILLENNIUM MACHINE WORKS INFRASTRUCTURE

CNC MACHINERIES

9.1. VMC-1 with 4th. Axis - TWINHORN VTJ-1680

9.1.1. Table-size - 1700mm x 800mm

9.1.2. Z Axis Height – 1000mm

9.1.3. Travel (X, Y, Z Axis) - 1600mm x 800mm x 800mm

9.1.4. ATC Max. No of Tool – 24+1 Nos

9.1.5. Tool Holder Type – BT50 With 50 Bar Thru' Coolant.

9.1.6. 4th Axis Rotary Table – Dia500mm with Dia 400mm Tail stock.(500Kg work carrying capacity)

Center height 310mm + 70mm Riser Block.;

9.1.7. Max. Swing Diameter of 4th Axis - 760mm



9.2. VMC -2 with 4th. Axis - HAAS (VF-4)

9.1.1. Table-size - 1321mm x 473mm

9.1.2. Z Axis Height – 742 mm

9.1.3. Travel - 1270 x 508 x 635 (X,Y,Z)

9.1.4. ATC Max. No of Tool – 30+1 Nos

9.1.5. Tool Holder Type – BT40 With Thru' Coolant.

9.1.6. 4th Axis Rotary Table – Dia310mm with A Frame.(190 Kg work carrying capacity with support "A" Frame) Center height 228mm.



9.3. CNC VTL – 1, 2, 3 - Hwacheon 550R

9.3.1. Max. Turning Diameter – 650mm

9.3.2. Max. Turning Height – 700mm

9.3.3. Max. Swing Diameter – 800mm

9.3.4. Chuck Dia. VTL 1 & 2 – 18”, VTL-3 – 21”



9.4. CNC LATHE - LMW - LLX20TL5

- 9.4.1. Max. Turning Diameter – 320mm
- 9.4.2. Max. Turning Length – 500mm
- 9.4.3. Max. Swing Diameter – 510mm
- 9.4.4. Chuck Size – 8"
- 9.4.5. 65mm Spindle Bore



10. MILLENNIUM MACHINE WORKS INFRASTRUCTURE

CONVENTIONAL MACHINERIES

10.1 TURNER Make 7 Feet Precision Lathe

- 10.1.1. Maximum turning diameter of - 400mm
- 10.1.2. Maximum height of - 900mm
- 10.1.3. Max. Swing Diameter – 520mm

10.2. TURNER Make 10 Feet Heavy Duty Lathe

- 10.2.1. Maximum turning diameter of - 1200mm
- 10.2.2. Maximum height of - 1600mm
- 10.2.3. Max. Swing Diameter – 1300mm

10.3. Tool Room Milling Machine with DRO

- 10.3.1. Table-size - 1000mm x 400mm
- 10.3.2. Z Axis Height – 400mm

10.4. Radial Drilling Machine

- 10.4.1. Working Area. – 350 x 850mm @ 360 Deg



10.5. Universal Milling Machine

- 10.5.1. Table Size – 1250mm x 320mm (X,Y)
- 10.5.2. Travel - Horizontal - 950x320x (50mm - 390mm)
- 10.5.3. Travel - Vertical - 950 x 320 x (155mm - 555mm)
- 10.5.4. Travel - spindle axis of rotary head to column Movement - 125mm - 810mm.



10.6. Surface Grinding Machine

- 10.6.1. Magnetic Table Size. – 1000x500
- 10.6.2. Travel - 1200 x 500x 675 (X,Z,Y)



10.7. INSPECTION.

- 10.7.1. 600mm Digital height master (Trimos)
- 10.7.2. 600mm Height gauge
- 10.7.3. One meter Surface table (0 Grade)
- 10.7.4. All types of Std gauges



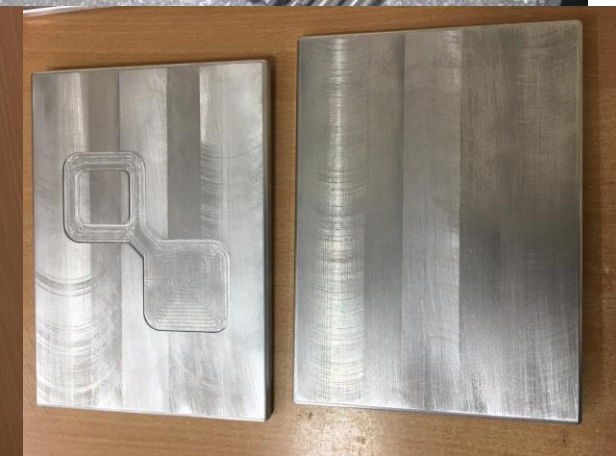
10.8. CRANE FACILITY

- 10.6.1. 2.5 Ton Crane-1No
- 10.6.2. 1 Ton Crane - 3 Nos
- 10.6.3. ½ Ton Crane – 1 No.

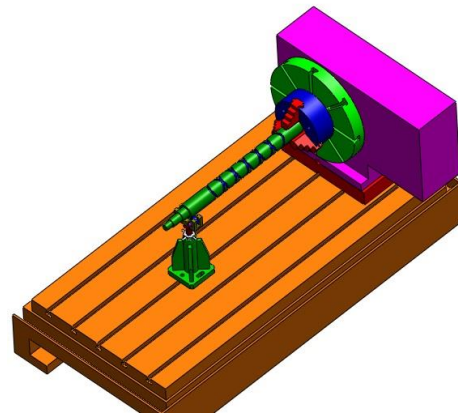
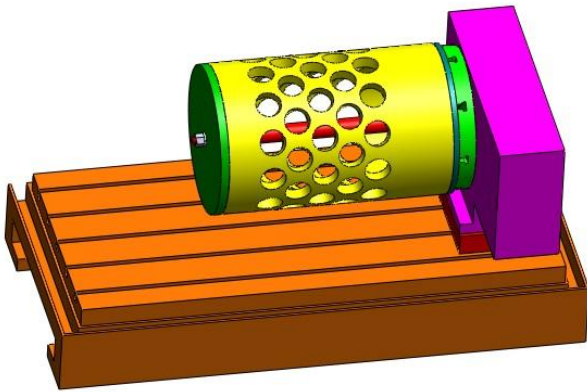
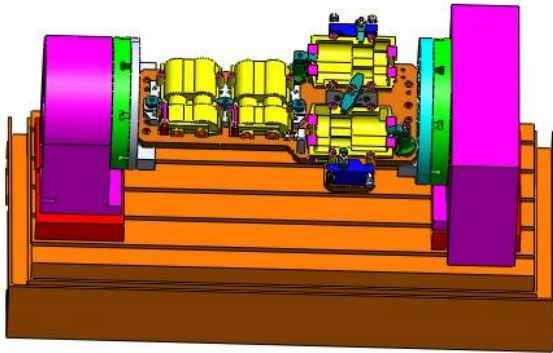
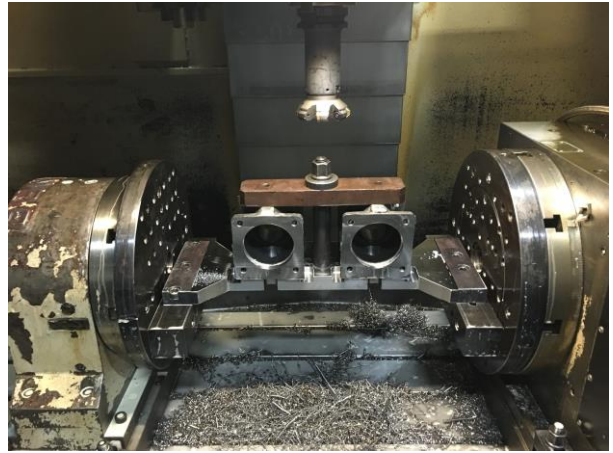
10.9. GENERATOR



11. MACHINED COMPONENTS

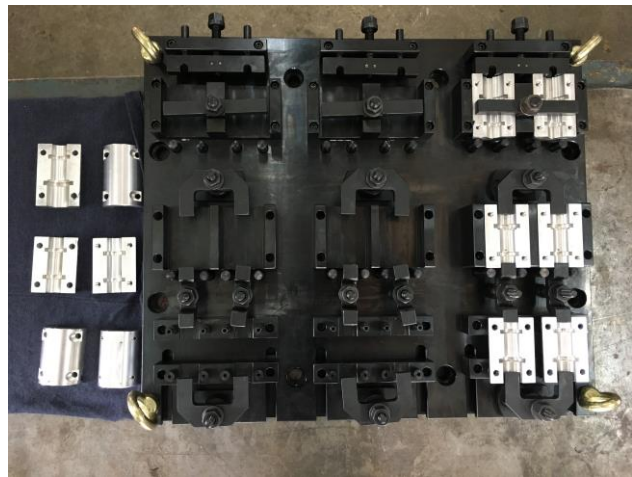


11. MACHINED COMPONENTS

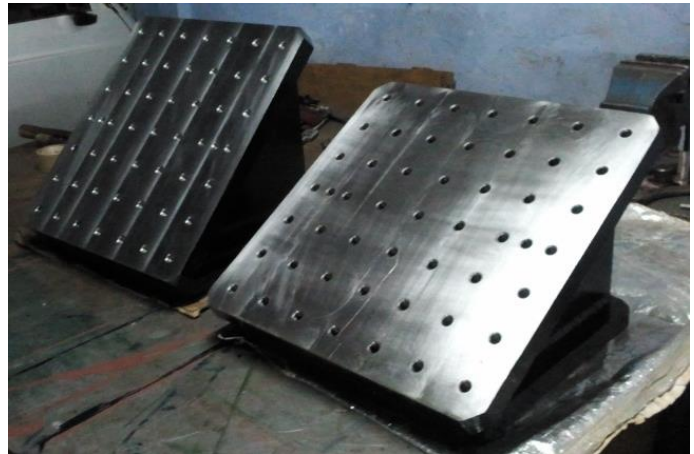
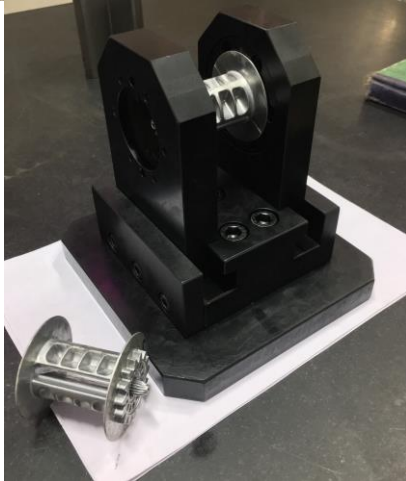
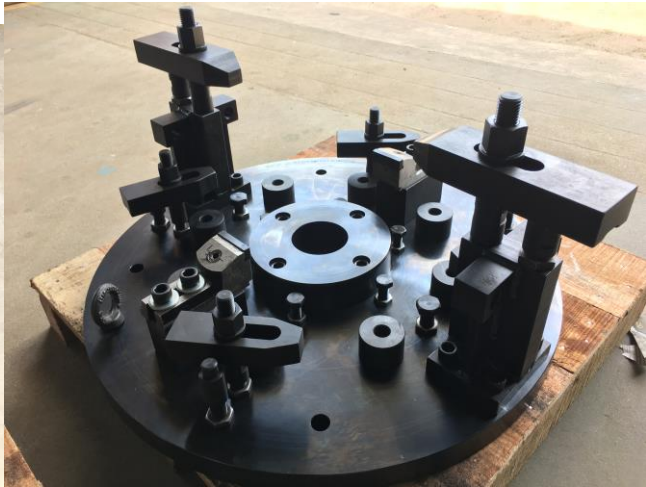


12.0 ENGINEERING COMPONENTS

12.1.FIXTURES



12.1.FIXTURES



12.2.GAUGES

