

## DASHMESH ENGINEERING

# 255, 8<sup>th</sup> Cross, 4<sup>th</sup> Phase  
Peenya Industrial Area  
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### COMPANY - PROFILE

Mr. Pritam Singh Mogewala established a Small Scale Industry in the eve of 1979 at Bangalore, the cradle of Machine Tool building in India. In 1981 we moved to our own premises at Peenya (Bangalore) Asia's largest Industrial complex. With a humble beginning, having started with a small area of 750 Sq. Ft, today we cover nearly 11000 Sq. Ft. space.

We started with manufacturing of Long Milling Arbors as OEM suppliers to reputed Milling Machine builders in India.



Mr. Pritam Singh Mogewala



Few of our Products

With his hard work and sincerity he developed the "**DASHMESH**" brand to be synonym with quality and precision. Today, apart from manufacture of Long Milling Arbors & Hob Arbors, we are also into Main Spindles, Splined Shafts, CNC Toolings etc., & Heavy Parts like Column, Saddle, Cross Slide, HeadStock for Milling Machines, VMC's, HMC's and CNC Lathes.

We are India's largest manufacturers of Long & Stub Milling arbors and have the reputation of being second to none, and are exporting to highly quality conscious markets in North America,



Mitsubishi MPA 80A HMC

Europe, Singapore & Japan.

We have an impressive list of OEM customers like BFW, BATLIBOI, LMW, AMS, ACE DESIGNERS etc., and among our Overseas OEM's we have MAKINO, WMW, & DMG. Apart from this our end users include the best from Automotive, Aeronautics - Aerospace and Defence sector.

After a decade of operations at the existing facility, we were again cramped for space and in 1994 we added an additional facility having 7000 square feet of space as our Unit-II equipped with latest CNC Machines and Digital measuring instruments.



Warner & Swasey WSU-12  
Universal Turning Center

We have installation of highly acclaimed Mother Machines like MITSUBISHI Horizontal Machining Center, WARNER & SWASEY Universal Turning Center, VOUMARD, SCHAUDT, FORTUNA & HMT Cylindrical & Internal Grinders, BFW Vertical & Horizontal Milling Machines, HMT Center Lathes, FRITZ WERNER Spline Grinder, TOS Surface Grinder, COOPER Slotting Machine and supporting machines like Bench Drills, 2-D Pantograph, Bench Grinders, Power Hacksaw, 25Ton Straightening Press, Tool & Cutter Grinder.

**Machinery - List**

• **CNC HORIZONTAL MACHINING CENTER**

MITSUBISHI DIAMATIC MPA 80 A

Table: -

Pallet = 1000 x 1000mm Twin.  
Index = 360 x 1° min.  
Loading Capacity = 2000Kg. Max. each Pallet.

X-axis Travel for Table:-

Total Travel = 1500mm.  
From Spindle Centre = ± 750mm.

Y-axis Travel for Table:-

Total Travel = 1000mm.  
Above Table = 0 - 1000mm.

Z-axis Travel for Column:-

Total Travel = 800mm.  
Between Spindle & Table Centre = 350 - 1150mm.

ATC: - 60 Tools Magazine.

CNC System: - Fanuc 6M model B.

Spindle Nose Taper: - BT-50 (7/24 Taper) JIS B6101 No.50.  
Speed 20 – 2000 RPM Infinitely Variable.

• **CNC UNIVERSAL TURNING CENTER**

WARNER & SWASEY WSU – 12.

Main Spindle = A2 – 8.

Chuck Size = Ø 315mm Hollow Hyd. Actuation.

Max. Turning Dia between Centers = Ø 380mm.

Max. Turning Dia Chucking = Ø 600mm.

Max. Turning Length = 1000mm.

Spindle Speed Range = 30 - 3000rpm Infinitely Variable.

Spindle Power Rating = 18.5/22 kW.

Rapid Traverse = 12 M/min.

Turret = 12 Station W & S Drum Type.

Tail Stock = MT-4 Programmable.

CNC System = Fanuc Oi TA Color Display with AC unit.

Steady Rest = 30 - 150mm Hydraulic Programmable.

- **Cylindrical Grinding**

1. SCHAUDT PF43 U-1000 CNC = 1 No.

Height of centre = 180mm  
Centre Distance = 1000mm  
Maximum diameter ground = 350mm  
Max. Job Length Straight Plunge = 1000mm  
Max. Job Length 30° Angular Plunge = 750mm  
Table travel = 1300mm  
X-Axis resolution = 0.0005mm  
CNC Controller = Siemens 820G  
Max. Job Weight = 200 Kgs.  
Measuring Probe = SCHAUDT Diatronic  
Measuring range = 10mm to 170mm  
Gauging Unit = MARPOSS E5  
Wheel Head Swivel = 0 - 180° Programmable 0.001° Min. Increment  
Wheel Head Speed = 20 – 45 M/Sec infinitely variable  
Work Head Speed = 1 – 1200rpm  
Tail Stock Taper = MT – 4 Hydraulic  
Wheel Balancing = SBS Hofmann Dynamic On-Line Hydrokompenser hk-5000.  
Coolant System = BEDA Paper Band Filter.

2. SCHAUDT UR – 1000 = 1 No.

Height of centre = 180mm  
Centre Distance = 900mm  
Maximum diameter ground = 350mm  
Max. Job Weight = 350 Kgs.  
Tail Stock = MT – 4 Hydraulic  
Table travel = 1000mm  
Table angular adjustment =  $\pm 9^\circ$  deg  
Coolant System = FAUDI FEINBAU

3. MATRIX GU-33 x 1650 = 1 No.

Height of centre = 170mm  
Centre Distance = 1650mm  
Maximum diameter ground = 330mm  
Max. Job Weight = 500 Kgs.  
Work Head Speed = 14 – 200 rpm infinitely variable  
Work Head Taper = MT – 5  
Tail Stock Taper = MT – 4 Manual  
Table travel = 1800mm  
Table angular adjustment = 0 - 8°  
Coolant System = DARENTH Paper Band Filter

- **Internal Grinding**

1. VOUMARD - 5A LP 1500 = 1 No.

Hole diameter max / Min = 200mm / 5mm

Height of centre = 180mm

Workpiece length = 1500mm Max.

Chuck = Reishauer Ø200 RHF-195

Workhead swivel angle with facing attachment = 0 - 25°

Maximum diameter inside chuck guard = 300

Diameter of hole in chuck centre = 50

Workhead spindle taper = 70 metric

Workhead speeds Ac = 1 - 1440 rpm infinitely variable.

Table stroke = 3 - 600mm

Grinding spindle speeds = 3600 - 40,000 rpm

2. VOUMARD - 5S = 1 No.

Hole diameter max / Min = 200mm / 5mm

Height of centre = 180mm

Workpiece length = 500mm Max.

Chuck = Ø200

Workhead swivel angle = 0 - 90°

Workhead swivel angle with facing attachment = 0 - 25°

Maximum diameter inside chuck guard = 300

Diameter of hole in chuck centre = 50

Workhead spindle taper = 70 metric

Workhead speeds Dc = 1 - 1200 rpm infinitely variable

Table stroke = 3 - 600mm

Grinding spindle speeds = 3600 - 40,000 rpm.

3. SCHAUDT IPS-18 = 1 No.

Maximum diameter ground = 400mm

Maximum length between chuck face & spindle housing = 1200mm

Chuck = Röhm Ø250 EG-ES

Work head swivel = ± 90 ° deg

Workhead spindle bore = MT - 5

Swing over table = 350mm

Max diameter in steady = 160mm

Table travel = 1200mm

Table angular adjustment = + 9° - 6° Deg

4. FORTUNA = 1 No.

Maximum diameter ground = 400mm

Maximum length between chuck face & spindle housing = 1300mm

Chuck = Pratt Burnard Ø250

Work head swivel = 360° deg

Workhead spindle bore = 110mm

Swing over table = 450mm

Max diameter in steady = 220mm

Table travel = 1300mm

Table angular adjustment = ± 5° deg

- **Spline Grinding**

FRITZ WERNER 3.275 – 1.2

Min. / Max. Dia =  $\varnothing$ 16 –  $\varnothing$ 90mm  
Max. Job Length = 1250mm  
Max. Spline Length = 1000mm  
Auto Index = 4, 6, 8, 14 Plates

- **Surface Grinding**

TOS 600 x 200 HORIZONTAL = 1 No.

- **Centre Lathe**

1. HMT H – 22 / 1000 = 2 Nos.  
Height of centre = 220mm  
Centre Distance = 1000mm  
Maximum diameter Turning = 425mm  
Tail Stock = MT – 4 Manual

2. HMT L – 22 / 1000 = 1 No.  
Height of centre = 220mm  
Centre Distance = 1000mm  
Maximum diameter Turning = 425mm  
Tail Stock = MT – 4 Manual

- **Milling**

BFW VF – 2 = 1 No.  
BFW UF – 1 = 1 No.

- **Slotting**

COOPER CH – 25 = 1 No. (Stroke length 250mm with Rotary Index Table)

- **Straightening Press**

BERRY (UK) = 1 No.  
Capacity = 100 Tons  
Table Size = 1800 x 315mm  
Stroke = 400mm

- **Band Saw**

KASTO (Germany) = 1 No.  
Model = SBA 260/400U  
Cutting Capacity Max  
Rounds & Square = 260mm Max  
Flat = Width 400 x Height 260mm Max

- **Dynamic Balancing**

HOFMANN (Germany) = 1 No.  
Model = E-O-Re Horizontal Type  
Max Wt. = 50 Kgs  
Max. Swing = 500mm  
Two Plane Control

- **Pillar Drilling**

Ajax A-40 = 1No.  
Spindle Taper = MT-4  
Drilling Capacity = 40mm Max.  
Tapping Capacity = M-33 Max.  
Drilling Depth = 200mm Max.  
Spindle Speeds = 62 – 964 rpm (9 Steps Geared)

- **2 – D Pantograph**

F.I.E. Denmark = 1 No.

- **Bench Drilling**

TOOL CRAFT = 1 No.  
JAYESH = 1 No.

- **Tool & Cutter Grinder**

AMBASANA 225 x 150 U = 1 No.

- **Bench Grinder**

ELMACO = 2 Nos.

- **Compressor**

HPC KAISER = 1 No  
SCREW TYPE 15 Hp  
Air Receiver = 750 Litre.

ELGI = 1 No.  
Reciprocating Type 5 Hp  
Air Receiver = 250 Litre.

Measuring Instruments

- Vernier Calipers

0 - 200 = 3 Nos.	Mitutoyo
0 - 200 = 1 No	Mitutoyo Digital
0 - 300 = 1 No	Baker Digital
0 - 150 = 1 No	JIS Digital
0 - 300 = 2 Nos.	Mitutoyo
0 - 200 = 1 No.	Depth Vernier Mitutoyo
0 - 1000 = 1 No.	Mitutoyo

- Micrometers

0 - 25	= 1 No.	Mitutoyo Digital
0 - 25	= 3 Nos.	Mitutoyo
25 - 50	= 3 Nos.	Mitutoyo
50 - 75	= 2 Nos.	Mitutoyo
75 - 100	= 1 No	Mitutoyo
100 - 125	= 1 No	Mitutoyo
150 - 300	= 1 No	Mitutoyo

- Internal Micrometers 3-Point

12 – 20	= 1 Set	Mitutoyo
20 – 50	= 1 Set	Mitutoyo
50 – 100	= 2 Sets	Mitutoyo

- Bore dial Gage

10 - 18mm	= 2 Set	Mitutoyo
18 - 35mm	= 2 Set	Mitutoyo
35 - 60mm	= 1 Set	Mitutoyo
50 - 150mm	= 2 Set	Mitutoyo

- Height Gage

0 – 300	= 1No	Mitutoyo
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- Dial Gages

0.001 = 1 No.	Mahr Millimess
0.01 = 3 Nos.	Mitutoyo - Plunger Type
0.001 = 3 Nos.	Mitutoyo - Plunger Type
0.01 = 1 No	Baker - Lever Type
0.002 = 1No	Mitutoyo - Lever Type
0.01 = 1 No.	Mitutoyo - Lever Type



- Bevel Protractor

"VIS" Poland = 1 No  
"Mitutoyo" Japan = 1 No

- Thread Plug Gages

M - 06 = 2 Nos. Accurate/HIP  
M - 10 = 2 Nos. Accurate/HIP  
M - 12 = 2 Nos. Accurate/HIP  
M - 16 = 2 Nos. Accurate/HIP  
M - 24 = 2 Nos. Accurate/HIP  
M - 30 = 2 Nos. Accurate/HIP

- Ring Gages

ISO – 30 7/24 = 1 No Self  
ISO – 35 7/24 = 1 No Self  
ISO – 40 7/24 = 1 No Self  
ISO – 45 7/24 = 1 No Self  
ISO – 50 7/24 = 1 No Sonalkar  
ISO – 60 7/24 = 1 No Sonalkar  
M1TR / R8 = 1 no Self  
MT – 1 / 2 / 3 / 4 / 5 / 6 = 1 No Each Self  
Ø 16 - Ø 50 = 1 No Each "Accurate"  
E - 40 Schaublin Collet Gage = 1 No Self  
E - 40 Tail Type Collet Gage = 1 No Self  
E - 32 Collet Gage = 1 No Self

- Plug Gages

ISO – 30 7/24 = 1 No Self  
ISO – 35 7/24 = 1 No Self  
ISO – 40 7/24 = 1 No Self  
ISO – 45 7/24 = 1 No Self  
ISO – 50 7/24 = 1 No Self  
ISO – 60 7/24 = 1 No Self  
MT - 1/2/3/4/5/6 = 1 No Each Self  
1/16 Taper = 1 No Self  
E - 40 Schaublin Collet Gage = 1 No Self  
E - 32 Collet Gage = 1 No Self  
ER - 40 Collet Gage = 1 No Self  
E – 40 Tail Collet Gage = 1 No. Self  
Metric 80 = 1No Self  
Ø 5 - Ø50mm - 1 No Each "Accurate" & "HIP"

- Sine Bar

100mm Long = 1 No

- Slip Gage

USSR Make = 1 No  
"Matrex" Indian = 1 No

- Hardness Tester

"Fine" Make = 1 No

- Concentricity Tester

Self-made = 1 No.

- Test Mandrels

ISO-40 Ø 30 x 300 = 1 No. Run-Out 0.002mm. Self made.  
SK-40 Ø 30 x 300 = 1 No. Run-Out 0.002mm. Self made.  
BT-40 Ø 30 x 300 = 1 No. Run-Out 0.002mm. Self made.  
ISO-50 Ø 40 x 300 = 1 No. Run-Out 0.002mm. Self made.  
SK-50 Ø 40 x 300 = 1 No. Run-Out 0.002mm. Self made.  
BT-50 Ø 40 x 300 = 1 No. Run-Out 0.002mm. Self made.  
Mores Taper Test Mandrels MT-2/3/4/5/6 = 1 No each Run-Out 0.002mm, Self Made.

- Granite Table

600 x 600 = 1 No "VTG"  
1600 x 1200 x 200 = 1 No. "MMT"

CUSTOMER LIST

1. M/s. BHARAT FRITZ WERNER LIMITED, BANGALORE.
2. M/s. BATLIBOI LIMITED, UDHNA.
3. M/s. WMW MACHINERY INC., NEW YORK, USA.
4. M/s. LAKSHMI MACHINE WORKS LIMITED, COIMBATORE.
5. M/s. BATLIBOI SPM's LIMITED, BANGALORE.
6. M/s. DECKEL MAHO GILDEMEISTER (INDIA) LIMITED, BANGALORE.
7. M/s. MAKINO ASIA LIMITED, BANGALORE.
8. M/s. ACE DESIGNERS LIMITED, BANGALORE.
9. M/s. ACE MANUFACTURING SYSTEMS LIMITED, BANGALORE.
10. M/s. MIVEN MACHINE TOOLS LIMITED, HUBLI, KARNATAKA.
11. M/s. ELGI EQUIPMENTS LIMITED, COIMBATORE.
12. M/s. L & T DEMAG PLASTIC MACHINERY LIMITED, CHENNAI.

PRODUCTS

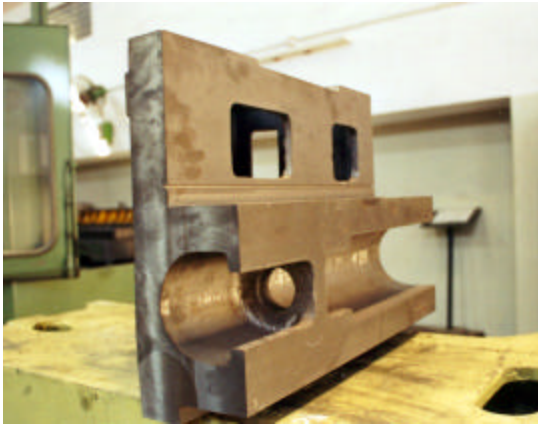
1. MAIN SPINDLES for Milling Machines, Vertical & Horizontal Machining Centers, CNC Lathes and Special Purpose Machines.



2. TOOL HOLDERS like Long & Stub Milling arbors, Hob Arbors, CNC Toolings, Milling Sockets, ATC Alignment Fixtures, Drawbars, Test Mandrels and other special machine tool accessories.



3. Heavy Parts for VMC, HMC & CNC Lathes.



Saddle of ACE Designers CNC Lathe



Column of AMS VMC



Column of HOWA HMC



Cross Slide of Warner & Swasey CNC Lathe