

PAKISTAN MACHINE TOOL FACTORY (PVT) LTD.

COMPANY PROFILE

LOCATION	PMTF Road, Off National Highway, Karachi
REGISTERED OFFICE	PMTF Road, Off National Highway, Karachi
STATUS	Private Limited Company limited by shares Fully Owned by Government of Pakistan Registered in July 1975
SET UP	1968
SHARE CAPITAL	Rs 292 million fully subscribed by Government of Pakistan through SEC.
TOTAL AREA	226 Acres (Factory and Colony)
MANPOWER	1,863 employees
PRODUCTION FACILITIES	Conventional and CNC machines, gear manufacturing machines, die casting machines, forging hammers, heat treatment plant and testing equipment
QUALITY RECOGNITION	ISO 9001 Certified
MAJOR CUSTOMERS	Auto Assemblers, Railways, SSGC, Pak Army, Civil Armed Forces, Friendly Countries & Other Organizations
BMR&Es / TA	For Tractor Parts 1986 UNIDO TA Projects 1991-1995 For Motorcycle Parts 2005

FACILITIES

1. FACTORY.

Integrated production facilities including variety of conventional and CNC Machine Tools, like Turning, Shaping, Milling, Grinding, Gear Cutting, Spark Erosion, Hobbing, forging, Heat Treatment and Quality Assurance Equipment Etc.

2. OTHERS.

Residential colony, Canteen, Dispensary and School

MAJOR STRENGTHS.

Precision engineering facilities, diversification capabilities, skilled manpower

IMPORTANT MILESTONES

1964	The Project approved by NEC
1968	Inauguration & Trial Production
1970	Start of Regular Production
1975	Incorporated as Private Limited Company
1986	Implementation of BMR Programme for tractor parts
1991	Start of UNIDO TA Project
1995	Completion of UNIDO TA Project
1997	Establishment of Electronic Lab. ISO 9001:2000 Certification
2005	Implementation of BMR Programme for motorcycle parts

CAPABILITIES & FACILITIES

1. PRODUCT DESIGNING

Conventional and Computer Aided Design (CAD)

2. MACHINING

Turning	upto Dia 1000mm : Length 4000mm	Conventional, NC, and CNC
Milling :		Conventional and CNC Spline Milling, and Thread Milling
Drilling Max. Dia 50mm :		Conventional and Deep Hole Drilling
Boring	Max Dia 620mm :	Jig Boring (Vertical and Horizontal) & CNC
Shaping	upto 650 x 500 :	Conventional & Planing
Broaching (Vertical) :		Plain and Splined Bores
Gearing	Max Module = 10 :	Shaping, Hobbing, Teeth Grinding Shaving, St. Bevel and Spiral Bevel Generation
Cold Rolling	Max Dia = 120mm :	Spline Rolling
Grinding	Max Dia = 480mm :	Centerless, Cylindrical, Internal and Surface

3. FORGING

Free Forging

*Die Forging : Up to 25 Kg weight & 350 mm

Dia Drop Hammers up to 3000 kg,
Presses, Furnaces and Shot Blasting
Machines

4. DIE CASTING

Up to weight 11 Kg (Alum)
& 40 Kg (zinc)

Pressure Die Casting
Machines up to locking
force 700 M. Ton

5. HEAT TREATMENT

Normalizing, Tempering, Gas Carborising, Nitriding, Induction Hardening, Flame Hardening

6. SURFACE TREATMENT

Bright Chrome Plating, Cadmium Plating, Nickel Plating, Hard Chrome,

Electro-Galvanising, Anodizing, Phosphating, Sand & Shot Blasting

7. MATERIAL TESTING

Mechanical, Chemical, Metallographic

8. TOOL DESIGN (CAPABILITY)

Computer Aided Design (CAD)

* Dies : For Pressure Die Casting, Forging and Forming

* Jigs & Fixtures

* Cutting Tools : Turning Tools, Milling Cutters, Hobs, Reamers etc

* Measuring Gauges: Snap Gauges Form Gauges and Plug Gauges

* Equipments : Various Mechanical Devices

9. TOOL ROOM (Facilities)

Die Sinking, Spark Erosion, Jig Boring, Sharpening, Template Grinding

10. QUALITY ASSURANCE

Quality Checking Devices including Coordinate Measuring Machine, Gear Profile Testing Machine, Metrology Lab, etc.

11. TRAINING

Training for Apprentices in all trades relevant to Precision Engineering

Product Range:

TRANSMISSIONS for:

For MF 240/260, MF 375/385, Fiat 480, Fiat 640, U – 530, Bedford Truck
Nissan Truck

(PMTF is engaged in manufacture of wide range of Gears/Shafts since 1970 and is a major/regular supplier of Massey Ferguson and Fiat Tractor components to local OEMs)

TRANSMISSIONS for Locomotives:

HAU / HPU-20, EE –554, D – 29, D – 77, HBU – 20, GE 752 ALU
GE-761 ALCO, GMU – 30, High-Tech Pinions/Gears for Traction Motors/Axles of
Locomotives

MACHINE TOOLS

MILLING MACHINE MODEL LK6

Table Size:1300x330 mm, Universal, Horizontal & Vertical Main Motor : 5 HP

MILLING MACHINE MODEL LK4

Table Size: 1050x225 mm Universal, Horizontal & Vertical, Main Motor : 3 HP With
Accessories

PRECISION CENTRE LATHE MODEL C4C,C4D & C4F

Center to Center Distance C4C:750 mm C4D: 1000 mm C4F: 1500 mm
Swing over bed: 365 mm, Main Motor : 4 HP with Accessories

RADIAL DRILLING MACHINE MODEL LD1

Working Surface:700 x 800 mm, Drilling Capacity in Cast Iron: Ø 32 mm, Boring Capacity: Ø
65 mm with Accessories

TURRET MILLING MACHINE MODEL LK5

Table Size:1065 x 225 mm, Main Motor: 1.5 KW with Accessories

VERTICAL MILLING & BORING MACHINE LH 4

Table Size:1050x225 mm, Main Motor : 3 HP with Accessories

ENGRAVING MACHINE MODEL LP2

Table Size: mm 500x200 Motor : 0.3 HP, Pantograph Ratio: 1: 1 to 1:50 with Accessories

DESKTOP CNC LATHE MACHINE Model LC0NO1

FEATURES: 2 Axes CNC Lathe, CAM Software , Use Educational/Industrial Purpose
CNC FEAUTURES

- CAM user friendly software with 3 Jaw chuck, ISO / FANUC compatible
- Accurate Tool Path graphics continuously displayed line by line during program write, Test Run &
- Manufacturing Links with major CAD / CAM packages.

DESKTOP CNC MILLING MACHINE Model LN2 V00

FEATURES: 2D / 3D Graphics, CAM Software, Use Educational / Industrial Purpose
CNC FEAUTURES

- CAM user friendly software with 3D graphical ISO format machine programming using G & M Codes.
- Accurate Tool Path graphics continuously displayed line by line during program write, Test Run &
- Manufacturing Links with major CAD / CAM packages.

CNC Turning Centre LC3
CNC LATHE C4N

PAKISTAN MACHINE TOOL FACTORY

Balance Sheet (3 Years)

(Rupees in '000')

	2009	2008	2007
<i>Current Assets</i>	1,680,927	1,261,511	1,178,880
<i>Non-Current Assets</i>	2,065,782	2,055,719	2,061,597
<i>Total Assets</i>	3,746,709	3,317,230	3,240,477
<i>Share Capital / Un-appropriated Profit</i>	389,401	383,520	384,450
<i>Revaluation of Fixed Assets</i>	1,679,004	1,679,004	1,679,004
<i>Non-Current Liabilities</i>	326,607	323,331	347,565
<i>Current Liabilities</i>	1,351,697	931,375	829,458
<i>Total Liabilities</i>	3,746,709	3,317,230	3,240,477

PAKISTAN MACHINE TOOL FACTORY

Profit and Loss Account (2007-2009)

Rupees in '000'

Particulars	2009	2008	2007
Income			
Sales-net	1,196,947	918,059	894,420
Cost of sales	919,137	743,722	775,015
Gross Profit	277,810	174,337	119,405
Distribution costs	(81,205)	(14,622)	(15,728)
Administrative expenses	(145,930)	(140,199)	(135,343)
	(227,135)	(154,821)	(151,071)
Operating Profit/(loss)	50,675	19,516	(31,666)
Finance Costs	(69,985)	(48,743)	(45,392)
Other operating income	11,843	7,221	7,833
	(58,142)	(41,522)	(37,559)
Loss before taxation	(7,467)	(22,006)	(69,225)
Taxation	13,348	21,076	17,222
Loss after taxation	5,881	(930)	(52,003)
Loss per share-basic and diluted	Rs. 0.67	Rs. (0.11)	Rs. (5.94)

