



Specialists in
Mechanical & Electrical
Engineering Products

TBL Industrial & Engineering Exports Pvt. Ltd.

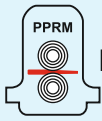


Certificate Registration
No. 99 100 17654



MSME Registration
No. WB10A0006469

STEEL PLANT EQUIPMENTS, MACHINERY & AUTOMATION



PP ROLLINGS MILLS

Design, Manufacture & Mill Commissioning for Bar, Rod and Section mills - turnkey solutions and equipment for Hot Rolled Mills. For green field and brown field projects in the long products. Customised gear boxes and spares. Complete tube mill solutions.



Leading manufacturer of Cold Rolling Mills & Strip Metal Process Line equipments including NOF, Galvalume, Color Coating .



Specialises in no - bake sand castings as well as centrifugal castings as per customer specifications.

INDUSTRIAL FURNACES

WALKING BEAM REHEATING FURNACES REHEATING PUSHER FURNACE HEAT TREATMENT FURNACES



Industrial division - Gas generators - Nitrogen & Oxygen & complete systems, dryers, filters, Compressors & spares.

MATERIAL HANDLING EQUIPMENTS - CRANES, CONVEYORS, CHAINS



EOT , HOT, JIB & GANTRY CRANES.
pallets trucks , transfer cars, travelling trolley , electric winch, wire rope, chain hoist for hot metal handling, steel duty cranes.



Maintenance & Health Checkups of any crane, hoist & lifting equipments



"Permanent & Electromagnets - Scrap Magnets, Magnetic Separators, Magnetic Lifters & Magnets for Automation"



Roller chains : ISO-normed roller chains - Oilfield roller chains. Special applications chains : Gripper chains - Pin oven chains - Bottle washer chains, Sticker chains.



Aluminium & stainless steel conveyors - Pallet & puck conveyors robotic solutions.



Chains for conveyor and drive systems, Industrial and Hoist Chains, Drag Chain conveyor, AFR conveyor, Submerged Scrapper Conveyor, Tool Mover, Spreader Beam, Motorized Coil Tong- System & Spares.

HEAT TRANSFER, PROCESS & WATER SOLUTIONS & FLUID HANDLING



Heat Transfer, Separation & Process Solutions
 Products Include - Heat Exchangers, Separators, Decanters, Pumps, Valves, Installation Materials, Automation, Fittings, Tank Cleaning equipment Spray Balls, Mixing Equipment



UV Systems and Disinfection Plants



Condensate and Recovery Solutions, Steam Traps, Isolation Valves, Heat Transfer Solutions, Boiler Control & Systems



PTFE / TEFLON lined thermoplastic corrosion for valves, pipes & pipe fittings.



Chemical Process Non-metallic Polypropylene pumps, Polymer Moulded pumps and Metallic Pumps

SAFETY AND MEASURING INSTRUMENTS AND TOOLS



with complete range of power tools, accessories and measuring tools for industry service.



Microswitches smart sensor solutions for factory and process automation. Rotary encoders, Object detection, Distance measurement sensors and accessories.



Safety & protection for man and machines - safety switching appliances solenoid interlocks emergency stops switches security sensors safety mats with safety function photoelectric light barriers end switches which include limit switches position switches and micro switches



Current transmission - reliable grounding technology for the motor shaft brush rockers for dc motors brush holders for slip -ring motors carbon brushes for dc motors and slip ring motors



Precision Grinding Wheels, Metal Fab Grinding & Cutting Wheels



Welding Consumables, Wires, Rods & Flux for Low Alloy Steels, Mild Steel, Nickel and Stainless Steel.

GEAR BOX GEAR MOTORS GEAR COUPLINGS BRAKES CLUTCHES



Worm Gear Boxes, Couplings & Helical/Bevel Range of Gearboxes



Energy Efficient Industrial Geared Motors, Gearboxes with Motor adaptors, HiFlex Drives



POWER BUILD PVT LTD
LEADERS IN POWER TRANSMISSION SOLUTIONS

Inline Helical, Parallel Shaft, Bevel, Helical Bevel, Planetary Geared Motors



BREVINI

Motion Systems

Industrial and Planetary Gearboxes, Slewing Drives, Helical Bevel Gearboxes, Winches & Winch drive, GWB brand Industrial Driveshafts, PIV brand Extruder Drives



Gear Boxes - Worm, Helical, Planetary, Gear Motors, Inverters



Manufacturing of Gear Reducers, Gear Motors, Electric Motors and Motion Control



Locking assemblies, Elastomer Jaw Couplings, Shrink Discs, Gear Couplings,



Flexible Gear Couplings



Power transmission technology - Couplings, Brake systems and Cooling Systems.

HYDRAULICS, LUBRICATION SYSTEMS & PNEUMATICS



High Pressure Compact Hydraulics - Powerpacks, Radial Piston Pumps & Valves



Servo Pumps, Motors & Drives for Automation. Retrofitting of Servo Motor & Hydraulic Pumps



Hydraulic Systems, Spares & Cylinders



The Smart Electrohydraulics - Proportional Valves, Axis & P/Q controls, On/Off Valves, Servopumps, Power units, Blocks & Sub plates.



Cetop Valves & Blocks, Mobile Valves, Motors, pumps & Compact Power Units



Hydraulic and Fluid Power Components



Filtration solutions for Hydraulics, Lubrication, Food and beverage applications



Hydraulic Filters, Bell Housing, Particle Counters, Tank Accessories.



Hydraulics for Mobile and Industrial applications and filtration



World's most comprehensive range of Pneumatic Cylinders, Solenoid Valves, Electric Actuators, Grippers, Pressure Switches, FRL Units, Vacuum Products.



Pneumatic cylinders, valves, airline equipment, accessories, stainless steel component.



Lubrication Systems for steel and cement applications.

HOSES / FILTRATION

ELC & LVDH Machine



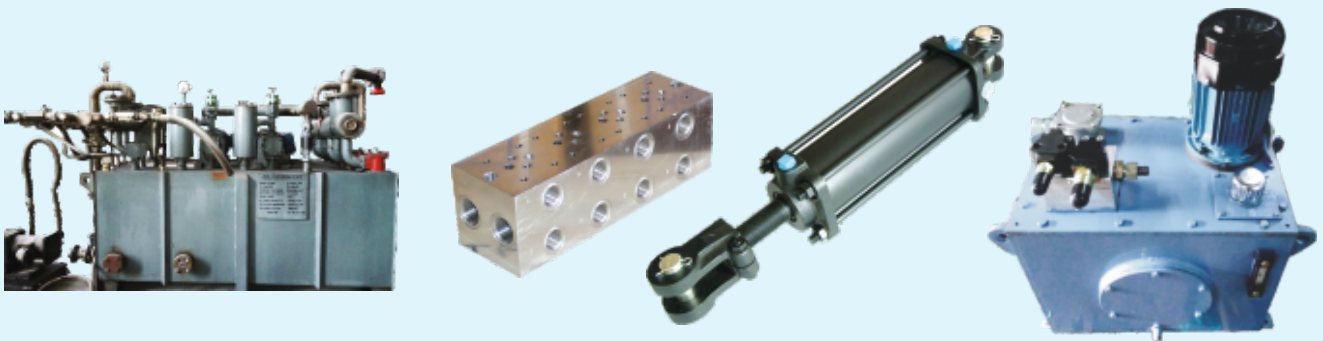
Pumps / Motors / Valves / Cylinders / Hoses / Pipes / Fittings / Seals / Flushing Units / Offline & Online Filtration Systems / Lubrication Systems

Total Solutions on Hydraulics, EOT cranes and Fabrication

www.tblindustrial.com

SERVICES OFFERED :

- Inspection of the Hydraulic systems & preventive and diagnostic prescription for the desired servicing/modification of the system.
- Servicing of Hydraulic systems & its components.
- Reconditioning / Repairing of Actuators systems and all components like jacks, pullers, valves, motors, pumps, hydraulic tools or components of any make.
- Routine check up of systems & actuators.
- Training of your Engineers & Technicians to maintain the systems- both in-house and in our factories.
- Annual maintenance contract of the Hydraulic Units.
- Any other services and solutions on Hydraulics required by the Industry.



MOBILE EQUIPMENTS



Supplier of Genuine parts for Concrete Pumps, Batching Plant and other Construction Machinery. We also Refurbish and service Concrete Pumps. We also sell Refurbished Concrete Pumps exported Parts and Refurbished Pumps to many countries. Parts of Putzmeister n Schwing Stetter available



Spicer Dana Axles transmissions drive Shaft assemblies end fittings transaxles electronic controls universal joints Ring n pinion gearing gear lubricant grease OEM replacements Forklift reach stickers gantry crane crawler cranes rough terrain crane excavators dozens dumpers



THM HUADE specialize in manufacturing a comprehensive range of hydraulic components for industrial n mobile sectors including axial piston pumps/motors, valves, gear pumps, servo motors, track drives, transit mixer solutions, and power packs. THM products are crafted to provide reliable performance and are compatible with top brands like Rexroth, Eaton, Atos, Yuken, Vickers, and Danfoss

PRODUCTS OFFERED :

- **REXROTH** : All hydraulic Equipments.
- **PARKER** : All hydraulic Equipments.
- **DOMNICK HUNTER** : Compressed Air Filters, Dryers, Nitrogen gas Generators.
- **VELJAN** : Hydraulics & Pneumatics
- **HUADE** : Hydraulics
- **SUN HYDRAULICS** : Cartridges and valves
- **MOOG** : Servo & Proportional Valves
- **TRIDENT** : Hydraulic oil - particle and moisture removal ELC and LVDH machines and Particle Counters
- **REXNORD** : Couplings, Flat Top Conveyor Systems
- **FESTO, NUCON, SCHRADER, JANATICS, ROTEX, METSO, NORGREN, AVENTICS** : Pneumatics
- **HYDAC, MP FILTRI, EPE, OLAER, FILTER TECHNIC, PALL** : Hydraulic Filters & Accumulators, Particle counters Conditioners
- **PRAKASH, AFMC, CENLUB, LINCOLN HELIOS** : Lubrication systems
- **KANTHAL** : HEATERS & HEATING ELEMENTS
- **HOWDEN, ROOTS** : BLOWERS
- **SIEMENS, ALLENBERRY, SHANTI, PREMIUM, SEW, BAUER, MOTOVARIO, FENNER, LOVEJOY, NORD, MGM VARVEL** : Gear Box /Gear Motors/ Gear couplings
- **ABB, CROMPTON, MARATHON, BHARAT BIJLEE, KIRLOSKAR, SIEMENS, NAV BHARAT** : Electric Motors
- **EUCHNER, HUBNER, FUJI, SIEMENS, SUMITOMO** : Encoders, Switch Gears, Limit Switches, Fuses
- **WIKA, ENDRESS HAUSER, VEGA, HONEYWELL, UWT, EMERSON** : Pressure & Temperature Gauges, Level Control Measurements, Instrumentation & Automation
- **IFM** : Sensors and Process Instrumentation
- **TIMKEN, INA, FAG (DURGA BEARINGS), SKF, NSK, BMD, NMB, COR, RHP RHP** : BEARINGS, Spindles, Rotary Tables, Locknuts & Ball Screw Equipments
- **DEUBLIN** : Rotary Unions
- **EL-O-MATIC** : Pneumatic Actuators & Controls
- **SPEED O' CONTROLS** : Eot Crane Spares - Brakes, Remote Controls, Pendants Etc.
- **GALVI** : Shoe Brakes, Disc Brakes, Buffers Thrusters
- **KATEEL** : Disc Brakes, Drum Brakes & Clutches
- **KARCHER** : Industrial Cleaning Machines
- **POLYHOSE** : Rubber & Thermoplastic for hydraulics/steam/water/Compressed Air /Chemicals etc. Composite & SS Flexible with end fittings and accessories
- **HIFAB** : Mechanical Seals
- **INDEF BRADY** : Chain Pulley Blocks
- **RATNADEEP** : Cold Drawn Seamless Bright Annealed Tubes & Pipes in S.S., A.S. and S. S. Welded.
- **RAJESHWAR** : Tubes & Pipes
- **SCHENCK PROCESS** : weighing, feeding, pneumatic injection, mechanical conveyors, screening, sifters, mixers, mills and lump breakers, spare parts
- **TRELLEBORG / HUNGER** : Engineered Polymer solutions for sealing, damping & protecting machines, tools & accessories.
- **HYDAIR** : Hydraulic Pipe Fittings.
- **TUBE FIT** : Instrumentation Tube Fittings.



TBL Industrial & Engineering Exports Pvt. Ltd.

Specialists in Mechanical & Electrical Engineering Products

Absolute Mechanical Filter (AMF) Machine



MODEL
AMF - 25
AMF - 50
AMF - 100

APPLICATIONS

- Plastics Injection Moulding Machines.
- Hot Press in plywood Industries.
- Aluminum Extrusion & Die Casting Machines.
- Power Generation. Gas, Hydro & Thermal
- Steel Plant & CNC Machine Tools.
- Cement & Ceramics Industries
- Aviation, Railways & Automobiles.
- Hydraulic Press & Hot / Cold Steel Mills.
- Bearing Lubrication System.
- Earth Moving, Construction & Mining Equipments.
- Power Transmission Plant.

ADVANTAGES

- ✓ Increase Production And Reduce Rejection.
- ✓ Increase Life of pumps, Valves & Seals.
- ✓ Longer Oil Life.
- ✓ No Oil Leakages
- ✓ Longer Equipment Life.
- ✓ Low Operation and Maintenance Cost.

COMPARISONS



SPECIFICATION FOR SELECTION GUIDE

Model	AMF-25	AMF-50	AMF-100
Oil	ISO VG 32 to ISO VG 320		
Pump Flow in LPM	12-20 @ ISO VG 46	20-40 @ ISO VG 46	60-85 @ ISO VG 46
Motor	0.5 / 1.0 H.P. ; 415 VAC	2 / 3 H.P. ; 415 VAC	3 / 5 H.P. ; 415 VAC
Weight in Kgs	105	150	350
Dimension LxWxH	635 X 450 X 650 mm	920 X 520 X 1100 mm	1300 X 700 X 1360 mm
Primary Filtering by Bag Filter Housing : C. S. / S. S.			
Size	Dia 4" X 10" L - 1 No.	Dia 4" X 17" L - 1 No.	Dia 7" X 17" L - 1 No.
Filtration Rating	5 / 1 Micron		
Type of Bag Filter	Water Asorbent / P. E. / P. P.		
Fine Filtering by Multi Cartridge Filter Housing : C. S. / S. S.			
Size	Dia 2.5" X 10" L - 4 Nos.	Dia. 2.5" X 20" L - 4 Nos.	Dia. 2.5" X 20" L - 8 Nos.
Type of Cartridge	SOE Type with 222 O-Ring Beyonet Design		
Material of Cartridge	Resin Bonded Spun / Cellulose Melamine / PP Pleated		
Filtration Rating	1 / 0.45 / 0.20 Micron		

Hydraulic, Lubrication and Turbine Oil Conservation & Super Cleaning System.

www.tridentengg.net

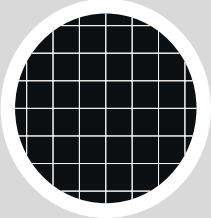
OIL CONDITION FOR AMF MACHINE

Temp : upto 70° c.
Viscosity below 320 CST Max.

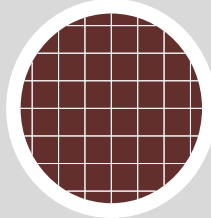
Water content below 2000 PPM.
Mineral Base oil except IC Engine Oil.

An Absolute Mechanical filter (AMF) is a filter capable of cutting off 100% by weight of solid particles greater than a stated micron size. Absolute Rating is a term used to describe or define the degree of filtration of absolute filter. Various methods are used to determine absolute ratings which are not necessarily interchangeable. Generally absolute means 100% removal of solids above a specified micron size by use of absolute filter.

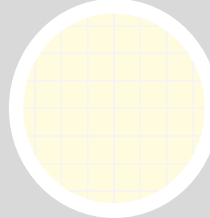
PHOTOGRAPHS OF MEMBRANE PATCHES FOR CONTAMINATION CONTROL



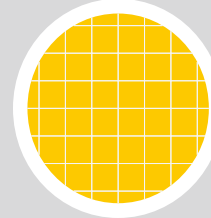
An example of very high contamination level which can critically damage hydraulic equipment (10 mg / 100 ml)
Above NAS 12



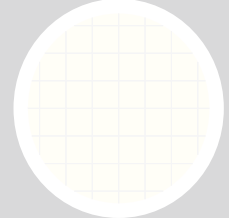
An example of contamination level which requires immediate cleaning (4 mg / 100 ml)
Above NAS 12



An example of contamination level to which the oil can be cleaned to (1 mg / 100 ml)
NAS 7-8-9



An example of contamination level which requires cleaning (2 mg / 100 ml)
NAS 10-11-12



An example of contamination level which the oil can be cleaned to (0.5 mg / 100 ml)
NAS - 6

NAS 1638 CONTAMINANTS SPECIFICATIONS in 100 ml OIL

Grade		00	0	1	2	3	4	5	6	7	8	9	10	11	12
Number& Sizes Of	5 ~ 15 µm	125	250	500	1,000	2,000	4,000	8,000	16,000	32,000	64,000	128,000	256,000	512,000	1,024,000
	15 ~ 25 µm	22	44	89	178	356	712	1,425	2,850	5,700	11,400	22,800	45,600	91,200	182,400
Contaminants	25 ~ 50 µm	4	8	16	32	63	126	253	506	1,012	2,025	4,050	8,100	16,200	32,400
	50 ~ 100 µm	1	2	3	6	11	22	45	90	180	360	720	1,440	2,880	5,760
	Upper 100 µm	0	0	1	1	2	4	8	16	32	64	128	256	512	1,024

Not existing

For Missile

For NC M/C

New Oil

RELATED PRODUCTS & CONSUMABLES

**Bag Filter
Water Asorbent / P. E. / P. P.**



**Resin Bonded Spun
Cellulose Melamine / PP Pleated**



**Contamination Checking Kit
(CCK)**



ICM / Particles Counter



DOL



**0.8 Micron x 25 mm Dia
Membranes**



Moisture Sensor



Differential Pressure



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CLIENT LIST

STEEL INDUSTRY



CEMENT INDUSTRY



FOOD, BEVERAGE, FMCG & PHARMACEUTICALS



CLIENT LIST

ENGINEERING AND FABRICATION



TEXTILE



POWER



PAPER INDUSTRY



CERAMICS



METRO RAIL



COAL AND MINES



PAINTS



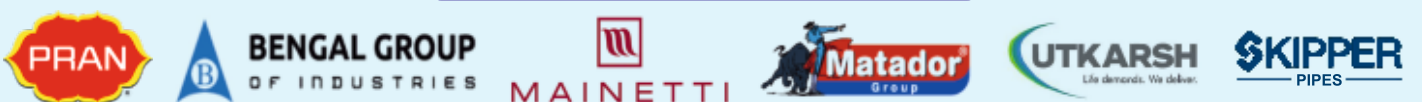
PARTICLE & PLYBOARD



FERTILIZER



PLASTIC INDUSTRY





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MYANMAR



NEPAL



BHUTAN

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