

**PATTANIYIL TRADING**  
**MANUFACTURING**  
**EQUIPMENTS PVT LTD**

**MAXPRO**

LEADS TO EXCELLENCE



## **ABOUT US:-**

**“MAXPRO INNOVATIONS” BY PATTANIYIL TRADING & MANUFACTURING EQUIPMENTS PRIVATE LIMITED WAS ESTABLISHED IN 2005, AT CALICUT, KERALA, THEN STARTED IN KARNATAKA, MYSORE IN 2014. IT IS A REPUTED LEADING MANUFACTURING COMPANY OF ROCKS PRODUCTS. NOW WE ARE MANUFACTURING AND FOCUSED ON TURNKEY CRUSHING PLANTS. WE PROVIDE SUPPLY & SUPPORT OF COMPLETE PLANT EQUIPMENT AND SERVICE.**

**IT IS OUR PRIME ENDEAVOUR TO ENSURE THAT OUR CLIENTS ARE FULLY SATISFIED WITH OUR PRODUCTS AND SERVICES. WE CONTINUE TO PROVIDE HIGH QUALITY SERVICE AND CUSTOMER RELATIONSHIPS. WE UNDERSTAND THE CHALLENGES FACING AND WE ARE MADE UP WITH HIGHLY SKILLED, DEDICATED, HARDWORKING TECHNICAL PROFESSIONALS, CLOSELY TOGETHER TO ENSURE CUSTOMER SUCCESS.**



## **FACTORY**

**WE ARE LEADING MANUFACTURER OF ALL TYPES OF M-SAND UNIT, VERTICAL SHAFT IMPACTOR (VSI), SAND WASHING CLASSIFIER, VIBRATOR SCREEN, CONVEYOR, ETC., WE ARE ALSO CONCENTRATED IN MANUFACTURING OF CONVEYOR, ROLLERS, ROLLER STAND, HEAD & TAIL DRUMS, ALL SIZE AND RANGE OF VIBRATING SCREEN WIRE MESH WITH GOOD QUALITY.**

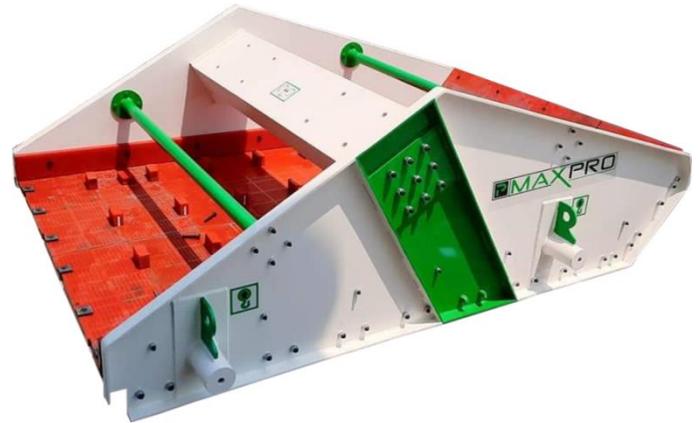
## **VISION:-**

**OUR VISION IS TO BE AT THE TOP RATED PRODUCT EQUIPMENT MANUFACTURING COMPANY BASED ON EFFICIENT AND CUSTOMER RELATIONSHIP, TO LEAD THE CUSTOMER TO EXCELLENCE.**



## OUR PRODUCT RANGES:-

- COMPLETE MSAND PLANT
- VERTICAL SHAFT IMPACTOR (VSI)
- VIBRATING SCREEN
- PAN FEEDER
- GRIZZLY FEEDER
- SAND WASHING BUCKET WHEEL CLASSIFIER
- CONVEYORS & ACCESSORIES
- WIRE MESH
- CRUSHER MAINTENANCE & SERVICE



## VERTICAL SHAFT IMPACTOR (VSI)

IMPACT CRUSHERS ARE UTILIZED IN AGGREGATES PRODUCTION, MINING OPERATIONS, AS WELL AS IN RECYCLING APPLICATIONS. VERTICAL SHAFT IMPACTOR (VSI) IS MINING ROCK ON ROCK CRUSHING AND ROCK ON ANVIL CRUSHING, IN VERTICAL SHAFT IMPACT CRUSHER, THE CRUSHABLE MATERIAL IS FED THROUGH THE CENTER OF THE ROTOR, WHERE IT IS ACCELERATED TO HIGH SPEED AND DISCHARGED THROUGH THE OPENINGS IN THE ROTOR PORTS. THE MATERIAL IS CRUSHED AS IT HITS OF THE OUTER BODY OR SAND BUILD-UP CAVITY AT HIGH SPEED AND DUE TO ROCKS COLLIDING AGAINST EACH OTHERS, HENCE SAND IS PRODUCED.

VERTICAL SHAFT IMPACT CRUSHER ARE GENERALLY UTILIZED AT THE FINAL STAGE OF CRUSHING CIRCUIT, MOSTLY IN AGGREGATES PRODUCTION AND CONSTRUCTION INDUSTRIES, ALSO IN PREPARING MATERIAL FEED FOR GRINDING MILLS IN MINING OPERATIONS, NORMALLY VSI MACHINES ARE USED FOR MAKING ROCK SANDS AND ALSO USED FOR SHAPING AGGREGATES IN ROUND FOR CONSTRUCTION PURPOSE





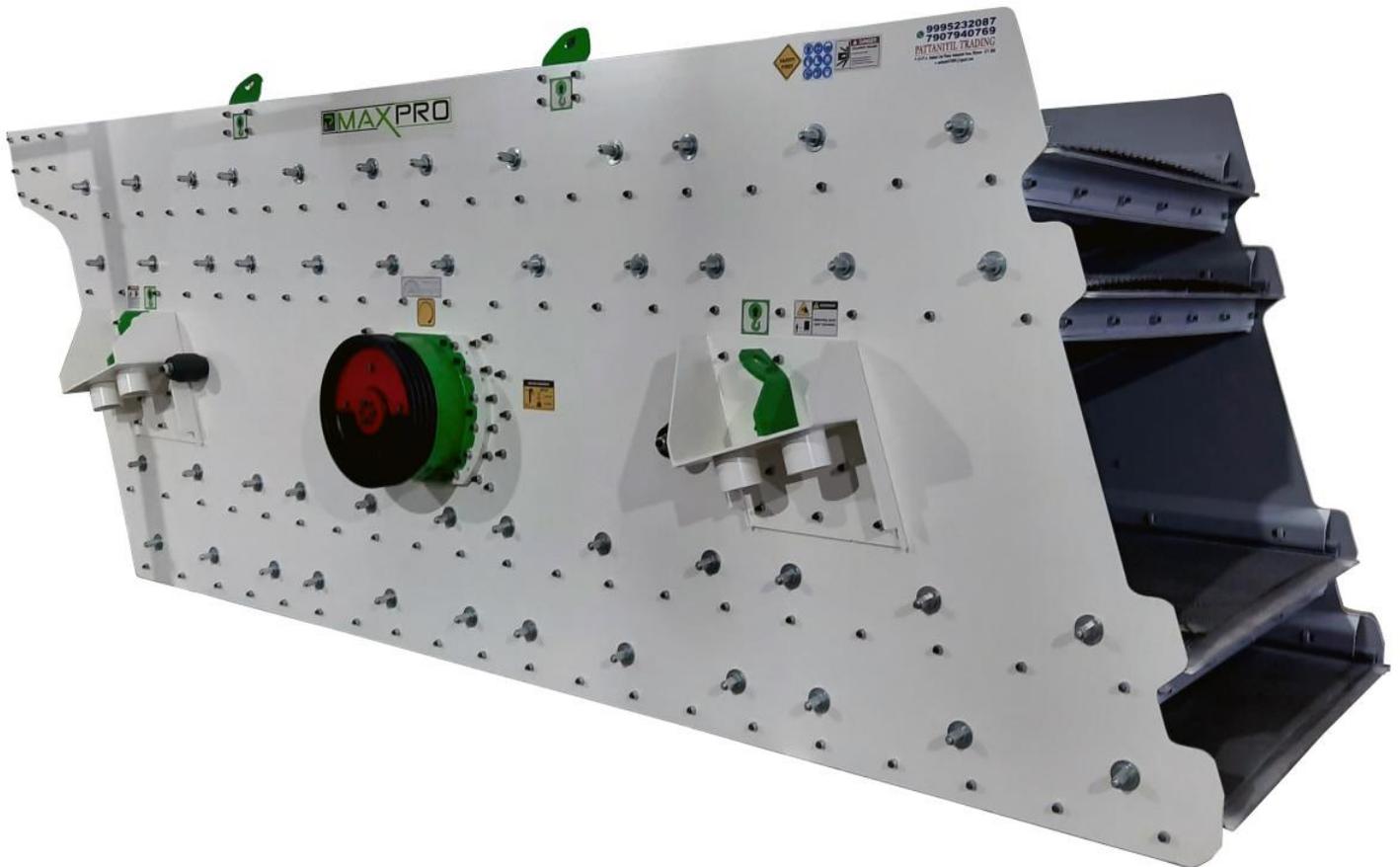
## SALIENT FEATURES

- PERFECTLY BALANCED MACHINE
- EASY TO ASSEMBLE
- ROCK COLLISION (EACH OTHER) TECHNOLOGY HELPS TO REDUCE MAINTENANCE AND MACHINE DAMAGES
- EXCELLENT CRUSHABILITY
- EXCELLENT TOTAL ECONOMY
- HIGH QUALITY SAND PRODUCTS
- MINIMUM VIBRATION
- EASY TO OPERATE( OPERATOR FRIENDLY)
- LOW COST
- LESSER SIZE COMPARED TO TRADITIONAL MACHINES
- STUNNING LOOK DESIGNS AND WELL RELIABLE
- FAE ANALYSED CRUSHING CHAMBER



## VIBRATOR SCREEN

**MAXPRO** VIBRATING SCREENS ARE WITH BOTH ECCENTRIC UNBALANCED SHAFT SYSTEM AND CARDEN SHFT SYSTEM. THE CIRCULAR MOTION IS INCLIND INTO TWO, THREE AND FOUR DECK. THE INCLINATION DEPENDS UPON THE SIZES OF THE MACHINE. OUR DECKS ARE EQUIPED WITH SPRING STEEL WIRE MESHES. WE GIVE GOOD SCREENING AND EFFICIENT PERFORMANCE. WE DEVELOP WELL POSITIONED ROTERY AT ITS CENTER OF GRAVITY GIVES THE SCREEN A MOTION THAT FOLLWES A CICULAR PATH AT EVERY POINT ON THE SCREEN, WHEN IT RUNS WITH EXCELLENT PERFORMANCE, EFFICIENCY IN AGGREGATES AND SAND SCREENING. THE WIREMESH ARE TIGHTEND WITH SIDE CLAMP, T-BOLT MAKES GOOD TIGHTEN AND BETTER SCREENING. **MAXPRO** SCREENS ARE AVAILABLE IN DIFFERENT MODELS AND SIZED THAT SUITS YOUR REQUIREMENTS & CUSTOMER SATISFACTION.



## PAN & GRIZZLY FEEDERS

**MAXPRO** PAN FEEDERS ARE RUN BY UNBALANCED VIBROMOTORS, HELPS FOR GOOD FEEDING SUPPORT TO THE CRUSHING MACHINES WITH GOOD PERFORMANCES WITH LESS SOUND, WE USES BOTH SPRINGS AND DAMPER BUSHES AS PER ENGINEERING REQUIRMENTS, GOOD AND EFFICIENT VIBRATION HELPS FOR BETTER PERFORMANCES AND LESS MAINTENANCES WITH IMPROVED CUSTOMER SATISFACTION. THE FEEDER PURPOSE IS TO FEED SUFFICINT MATERIALS TO THE COMBAINED MACHINES



## SAND WASHING BUCKET WHEEL CLASSIFIER

**MAXPRO SAND WASHING CLASSIFIER HAS EXTREMELY LESS RUNNING COST AND MAINTENANCE WHICH ALLOWS YOU GOOD PROFITABLE RANGE. IT NEEDS LESS SPACE FOR INSTALLATION AND MORE PRODUCTIVITY WITH LESS POWER CONSUMPTION AND REDUCE TOTAL RUNNING COST FOR THE CUSTOMER. IT NEEDS ONLY LESS COST FOR INSTALLATION WITH IMPROVED QUALITY PRODUCTION.**

**CLASSIFIER USES, LESS POWER DRIVE MOTOR AND SPEED ARE REDUCED WITH THE HELP OF HIGH BUILT PLANITERY GEARBOXE, ENABLE TO WASH THE SAND WITH GOOD QUALITY. GEARBOX IS HEAVY, WELL BUILT AND LESS MAINTENANCE COST.**

**THE DEWATER SCREEN ENABLES TO DRAIN THE WATER AFTER WASHING. SPECIAL KIND OF POLYURETHANE MESHES USED FOR BETTER SCREENING AND GOOD LIFE. THE DEWATER SCREEN IS DRIVEN BY ELECTRIC UNBALANCED IMPORTED MOTORS WHICH ARE HIGHLY EFFICIENT AND PROVIDES GOOD VIBRATION. THESE MOTORS ARE EASY AND LESS MAINTENANCE. IT PROVIDES LESS WATER WASTAGES, DUE TO BI-DIRECTIONAL ROTATION OF COUNTERWIGHT OF TWO VIBRO MOTORS HELPS IN GOOD PERFORMANCE AND GOOD QUALITY SAND OUT PUT.**



## CONVEYOR & ACCESSORIES

**CONVEYORS ARE COMMON MECHANICAL HANDLING EQUIPMENT THAT MOVES YOU OBJECT FROM ONE PLACE TO ANOTHER. IT ALLOWS QUICK AND EFFICIENT TRANSPORT FOR A WIDE VAREITY OF MATERIALS. WE ARE MAKING QUALITY CONVEYORS WITH GOOD ENGINEERING. OUR DESIGN IS SIMPLE AND BETTER PERFORMANCE. WE ARE USING BENDED PLATES OR C-CHANNELS AS PER CUSTOMER REQUIREMENTS. WE ARE MAKING ALL KIND OF ACCESSORIES LIKES ROLLERS, ROLLER STANDS, HEAD&TAIL DRUM, SUPPORTING FRAMES, ETC WITH HIGH QUALITY PERFORMANCES.**





## WIRE MESH

MESH IS A BARRIER MADE OF CONNECTED STRANDS OF METALS, FIBER, OR OTHER FLEXIBLE OR DUCTILE MATERIALS. A MESH IS SIMILAR TO A WEB OR NET, IN THAT IT HAS MANY ATTACHED OR WOVEN STRANDS. COILED WIRE FABRIC IS TYPE OF MESH THAT IS CONSTRUCTED BY INTERLOCKING METAL WIRE COILS. THE RESULTING SPIRALS ARE THEN WOVEN TOGETHER TO CREATE A FLEXIBLE METAL FABRIC PANEL. THESE MESHES ARE USED IN INDUSTRIAL SETTINGS SUCH AS ROCK CRUSHERS IN VIBRATING SCREEN FOR FILTRATION OR SEPERATION OF STONES IN DIFFERENT SIZES FOR CONSRUCTION PURPOSES.

WE ARE USING HIGH STANDARD TATA & USHA MARTIN CRIMPING SPRING STEEL WIRES. THE WIRES ARE CRIMPED, THEN WOVEN AND INTERLOCKED TOGETHER. WE ARE GIVING THE BEST QUALITY WIRE MESHES WITH ACCURATE SIZES AS CUSTOMER REQUIREMENTS AND SATISFACTIONS. OUR EXPERIENCE HELPS YOU TO GIVE BETTER FILTRATION OF STONES OR AGGREGATES IN DIFFERENT SIZES WITH PERFECTIONS.

## MAINTENANCE & SERVICES

WE OFFERS MAINTENANCE & SERVICES FOR ALL OUR SUPPLY AND REPAIR ACTION TAKEN TO KEEP IN GOOD CONDITION TO CARRY OUT ITS MISSION,FUNCTIONAL CHECKS, SERVICING, REPAIRING OR REPLACING OF NECESSARY DEVICES, EQUIPMENTS, MACHINARIES, WITH COST EFFECTIVE PRACTICES TO KEEP OUR EQUIPMENT OPERATIONAL

OUR MAXPRO SERVICE TEAMS ARE WELL EXPERIENCED AND INNOVATIVE, WE DO ALL TYPE OF CRUSHER MAINTENANCE, MACHINERY MAINTENANCE, GEARBOX REPAIRING, LATHE WORKS, FABRICATION WORK, ETC.,



## SAFETY ENGINEERING

MAXPRO TEAMS ARE AWARE OF SAFETY ENGINEERING. IT IS AN ENGINEERING DECIPLINE WHICH ASSURES THAT, ENGINEERED SYSTEM PROVIDE ACCECTABLE LEVELS OF SAFETY. IT IS SRONGLY RELATED TO INDUSTRIAL ENGINEERING AND ASSURES THAT, A LIFE –CRITICAL SYSTEMS BEHAVES AS NEEDED, EVEN WHEN COMPONENTS FAIL.





## VERTICAL SHAFT IMPACTOR (VSI)

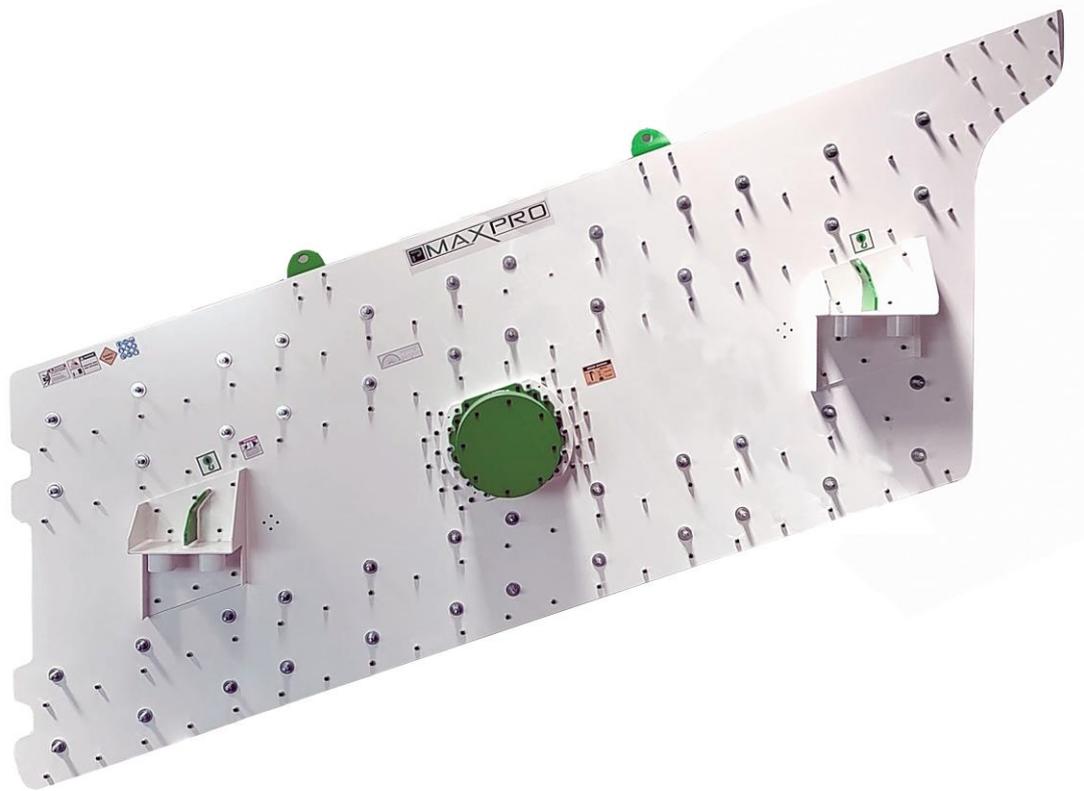


### VERTICAL SHAFT IMPACTOR (VSI)

MODEL	MP 1025	MP 3000	MP 4060
POWER KW(hp)	75KW (100hp) to 187KW (250Hp)	225KW (300)	2x 150KW (200hp) to 2x 225KW (300hp)
NUMBER OF DRIVES	01	01	02
ROTOR DIA (mm)	720	880	880
FEED SIZE (mm)	28	32	320
TPH	60 to 150	180	240 to 360
WEIGHT (KGS)	5,900 to 6,900	9,000	12,000



# VIBRATOR SCREEN



## VIBRATING SCREEN

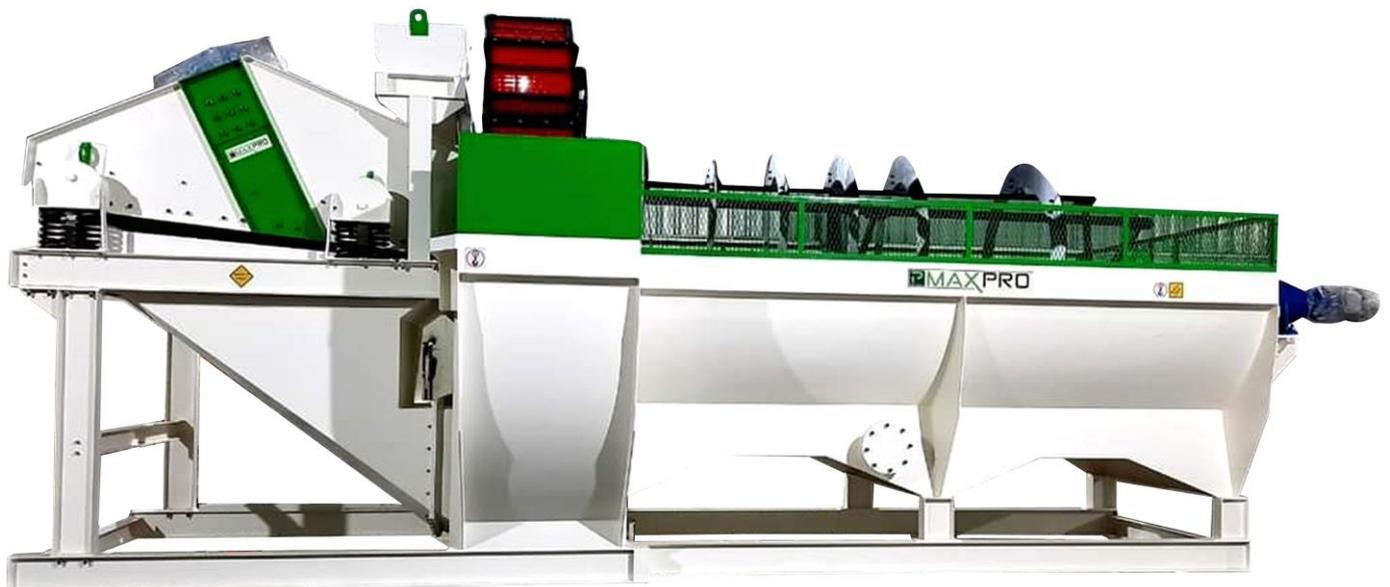
Model	Length (mm)	Width (mm)	Screening Area (m <sup>2</sup> )	No of Deck	Drive Power KW(hp)	Max Feed Size (mm)
MP45202D	4500	2000	9	2	15(20)	90mm
MP45203D	4500		9	3	15(20)	
MP45204D	4500		9	4	15(20)	
MP50202D	5000		10	2	15(20)	
MP50203D			10	3	22(30)	
MP50204D			10	4	22(30)	
MP60202D	6000		12	2	22(30)	
MP60203D			12	3	22(30)	
MP60204D			12	4	30(40)	

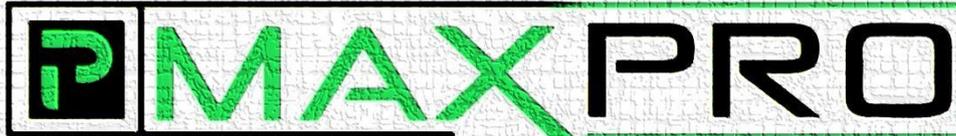


# SAND WASHING BUCKET CLASSIFIER

## SAND WASHING BUCKET WHEEL CLASSIFIER

Model	SWC 80 Single	SWC 80 Dual	SWC 120 Single	SWC 120 Dual	SWC 160 Single	SWC 150 Dual
Drive Power KW (hp)	5.5 (7.5)	5.5 (7.5)	7.5 (10)	7.5 (10)	11 (15)	11 (15)
Rotation RPM	4.2	4.2	4.2	4.2	4	4
Dewater Screen Motor KW(hp)	1.5 (2) x 2	1.9 (2.5) x 2	1.9 (2.5) x2	2.2 (3) x 2	3.7 (5) x 2	3.7 (5) x 2
No of Product	1	2	1	2	1	2
Capacity (TPH)	80	80	120	120	160	150
Gearbox Model (Kavitsu)	4KT-13	4KT-12	4KT-13	4KT-13	4KT-14	4KT-14





LEADS TO EXCELLENCE

## OUR PRODUCTS

- COMPLETE MSAND PLANT
- VERTICAL SHAFT IMPACTOR
- VIBRATING SCREEN
- SAND WASHING BUCKET CLASSIFIER
- FEEDERS
- CONVEYOR & ACCESSORIES
- WIRE MESH
- MAINTENANCE & SERVICE



### HEAD OFFICE & FACTORY

PATTANIYIL TRADING & MANUFACTURING EQUIPMENTS PVT LTD  
# 52 -P1-A, HEBBAL 2<sup>ND</sup> PHASE INDUSTRIAL AREA,  
ANAGALLY VILLAGE, BELAGOLA HOBLI, SRIRANGAPATNA TQ,  
MANDYA, KARNATAKA, 571606  
Contact : +91 9995 232 087, +91 9008934668  
Email : [pattaniyil1000@gmail.com](mailto:pattaniyil1000@gmail.com)  
Web : [WWW.maxproin.com](http://WWW.maxproin.com)

### WIRE MESH FACTORY

PATTANIYIL TRADING & MANUFACTURING EQUIPMENTS PVT LTD  
# PLOT NO 38, HEBBAL 2<sup>ND</sup> PHASE INDUSTRIAL AREA,  
ANAGALLY VILLAGE, BELAGOLA HOBLI, SRIRANGAPATNA TQ,  
MANDYA, KARNATAKA, 571606



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