

CRUSHING AND SCREENING EQUIPMENT





MAITEK SRL

Technological innovation and ease of application to service quality and convenience

MAITEK SRL was born in 1999 with the aim to develop new technologies in the field of quarries. The company's activity is run by a staff of engineers and experts with a thirty-year experience in industrial and mining sectors for aggregate production and specialized in ecological plants such as sludge treatment and dust suppression systems.

Our main office is located in the Marche, in the centre of Italy, a region rich in little and medium enterprises working in the field of aggregate production.

Our markets are: Italy, Europe, the Mediterranean Area the Middle East Area.

The raise of an environmental sensitivity leading the public administrations in Italy and in Europe to new restrictions in quarry exploitation and the environmental problems such as shortage of water, sludge treatment and dust emission in atmosphere have made MAITEK propose his customers a range of products wide and innovative to solve these problems and give new advanced answers to the new needs of the market.

These products include complete plants for sludge treatment, centrifugal extractor (decanters), plate filter press, polyelectrolyte preparation, sludge tank, water clarification plant, dust suppression system for mining and plants and machinery for crushing and selecting aggregates.

In addition to this, MAITEK provides its customers with the following services: Consulting, Engineering, After-sale Technical Support, Import-Export facilitations.



Aggregates



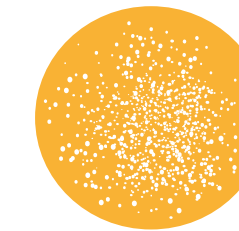
Maitek Srl has developed a wide knowledge in the aggregates sector, as our machines for the water treatment were born to work with aggregates, materials which are not easy to handle. This is why we created a range of machines for the washing of aggregates, to manage the whole process and guarantee the best output both from the washing system and the water treatment plants.



Recycling



Recycling, C&D recycling especially, is a fast-growing sector. The concern for re-using materials to respect the environment and comply with laws has led to a development of technologies, systems and plants for which Maitek can exhibit great experience.



Industrial sands



We look forward to the industrial sand production sector, as the demand of silica materials is constantly increasing. A treatment which can reduce contaminants and precision in the separation of material are the requirements we face from our customers and that our machines are able to fulfill.

MAC - RECIPROCATING FEEDER

These feeders are suitable to feed the primary machines and they are too appropriate to treat alluvial materials also of large size. They are essentially composed of: steel box with reinforced base covered by anti-wear bolted

and replaceable metal sheets; sliding wheels for box; box movement by means of a piston rod mounted on the bearings and transmission made of electrical motor and reducer.

Model	Truck width (mm)	Truck length (mm)	Capacity (t/h)	Max feeding size (mm)	Power (kW)	Weight (kg)
MAC-070	700	3000	115	500	4	3500
MAC-080	800	3500	130	600	5.5	4500
MAC-090	900	4000	150	700	11	7000
MAC-100	1000	4000	180	800	15	8500
MAC-120	1200	4000	200	850	15	9000
MAC-130	1300	5000	320	900	22	12000
MAC-145/5	1450	5000	600	1000	45	14000
MAC-145/6	1450	6000	600	1000	55	18000

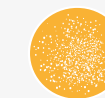
APPLICATIONS



Aggregates



Recycling



Industrial sands

MAS - "GRIZZLY" SCALPER FEEDER

These feeders are used to feed the primary machines. They are appropriate to treat also large size materials and they rough out the drier feeding material in low humidity sites. The GRIZZLY feeder is composed by a rectangular body in which about half of the base is en-

closed by anti-wear metal sheets, while the remaining part is fitted with selection bars forming a material grading grid that removes the soil and the fine parts that otherwise would overload the crushing machine.

Model	Dimensions (mm)	Max feeding size (mm)	Capacity (t/h)	Power (kW)	Weight (kg)
MAS-090-320	900 x 3200	500	40-100	2,2+2,2	2550
MAS-096-380	960 x 3800	500	80-150	3,7+3,7	3240
MAS-110-490	1100 x 4900	600	120-280	10,6+10,6	5300
MAS-110-590	1100 x 5900	600	250-350	10,6+10,6	6300
MAS-130-600	1300 x 6000	800	350-450	13+13	8800
MAS-150-600	1500 x 6000	1000	350-600	19+19	12900

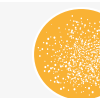
APPLICATIONS



Aggregates



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Industrial sands



MFP - PRIMARY JAW CRUSHER

Our jaw crushers are the result of a long experience in aggregate field. The design is very simple but very strong to guarantee the greatest performance and the highest reliability. The eccentric shaft is in high quality metal and is mounted on oscillating roller bearings to allow a very high working speed and guarantee a high efficiency on energy point of view.

The frame is built with sheet metals and gets a heat treatment to release internal stresses. The jaws plates are made of manganese steel to get a long life. They have a very simple adjustment mechanism that enables to easily calibrate the output (retiring product). We offer not only primary jaw crushers but also secondary jaw crushers to meet every working requirements.

Model	Weight (kg)	Feeding opening (mm)	Discharge opening (mm)	Max feeding size (mm)	Output Production (t/h)	Operating Speed (RPM)	Power (kW)
MFP-060-040	6450	600 x 400	40-100	340	20-55	275	30
MFP-075-050	10380	750 x 500	50-100	425	60-100	275	55
MFP-090-060	15500	900 x 600	65-160	500	70-160	250	55-75
MFP-110-080	29000	1100 x 800	100-200	640	120-250	250	110-132
MFP-120-100	47000	1200 x 1000	120-240	750	200-400	200	132-160
MFP-130-110	50000	1300 x 1100	160-300	900	250-450	220	132-160
MFP-150-120	83000	1500 x 1200	160-300	1020	300-500	200	160-200
MFP-180-150	110000	1800 x 1500	180-350	1200	400-800	180	200-315

APPLICATIONS



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Recycling



Industrial sands

MMS - SECONDARY IMPACT CRUSHERS

Our impact crushers offer a big variety of structure and rotor configuration because they are designed for a whole range of primary, secondary and tertiary applications. Thanks to the possibilities in changing the speed and the lower impact blow bars adjustments , these

machines give very good results in the crushing field. The crushing chambers are designed to produce materials with a very high cubicity, that is one of the most requested features for the concrete.

Model	Weight (Kg)	Rotor dimensions (Ø x L mm)	Feed opening (mm)	Max feeding Size (mm)	Output (t/h)	Power (Kw)
MMS-080-050	9500	1000 x 800	800 x 500	300	60-100	75 -132
MMS-100-050	12200	1000 x 1000	1000 x 500	300	80-160	90 -160
MMS-110-050	13500	1250 x 1000	1100 x 500	350	130-250	132 - 250
MMS-160-060	20500	1300 x 1500	1500 x 600	350	160-300	160 - 315
MMS-160-080	29500	1500 x 1500	1500 x 800	400	300-400	315 - 400
MMS-200-080	39000	1600 x 2000	2000 x 800	450	350-480	2 x 250

APPLICATIONS



Aggregates



Recycling



Industrial sands

MMTR - REVERSIBLE IMPACT CRUSHER (2 - 3 hammers)

The reversible impact crushers are studied and manufactured to produce sand and polyhedral aggregates with minimum filler content.

They can be equipped with rotor with 2 or 3 hammers on the basis of the working conditions.

According to the needs all the machines can be supplied with hammers and armour plating in Manganese steel or in special highly wear resistant alloys.

Frames are in steel plate bolted parts, for an easy disassembling.

The material, introduced in the machine from the top, is hit by the hammers and thrown on the armour-plates, to rebound again on the hammers; this operation is repeated up to the discharge opening. The reversibility of the machine enables to exploit to the utmost the hammers and the armour-plating.

Model	Feeding size (mm)	Output (t/h)	Power (kw)	Operating Speed (RPM)	Output with 5 mm. sieve (%)	Weight (kg)
MMTR 600 L	10-90	40-80	90-132	725-1055	40-70%	10500
MMTR 800 L	10-90	80-160	132-200	725-1055	40-70%	12500
MMTR 1200 L	10-90	100-200	200-250	725-1055	40-70%	16000
MMTR 1600 L	10-90	120-260	200-315	725-1055	40-70%	19000
MMTR 600 M	10-150	40-80	90-132	725-1055	40-70%	10500
MMTR 800 M	10-150	80-160	132-200	725-1055	40-70%	12500
MMTR 1200 M	10-150	100-200	200-250	725-1055	40-70%	16000
MMTR 1600 M	10-150	120-260	200-315	725-1055	40-70%	19000

L= alloy M= manganese

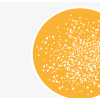
APPLICATIONS



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MCC



MCC - CONE CRUSHER

All the components of these sophisticated cone crushers are built in an excellent wear protection materials to minimize the maintenance costs. They are equipped with a simple fixing system of the mantle and the concave to allow their quick replacement.

All the machines are currently fitted with feeding hopper and hydraulic control for the running of the oil lubrication control unit and the adjusting of the output size, allowing the evacuation of the unbreakable parts and the complete emptying of the grinding chamber without manual intervention.

Model	Dim. max. alimentazione (mm)	Apertura min. in uscita (mm)	Potenza (Kw)	Capacità (t/h) alla regolazione di minima apertura (mm)									Peso (Kg)
				13	16	19	22	25	32	38	45	51	
MCC100(C)	135	16	75-110		75-85	80-95	85-100	90-110	100-130				6.800
MCC100(F)	105	16	75-110		55-70	65-80	70-85	75-95	90-110				6.800
MCC200(C)	185	19	110-160				180-210	200-240	235-270	265-310			12.000
MCC200(F)	145	17	110-160			145-165	160-195	185-220	210-245	230-280			12.000
MCC200(S)	70	13	110-160	90-110	105-125	120-135	125-140	130-150	140-165				12.000
MCC300(C)	210	22	160-200				210-240	230-280	270-320	290-350	320-380	360-430	18.700
MCC300(F)	185	19	160-200			190-220	205-230	225-260	245-285	270-330	300-350		18.700
MCC300(S)	90	16	160-200		135-155	150-170	165-185	180-200	200-220				18.700
MCC400(C)	290	25	200-315					295-355	335-375	370-480	430-500	470-550	28.400
MCC400(F)	210	22	200-315				265-310	290-330	315-360	350-010	390-440		28.400
MCC400(S)	110	16	200-315		155-185	175-200	195-225	210-245	235-256				28.400

C = coarse F = fine M = medium

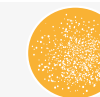
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MMV - VERTICAL SHAFT IMPACT CRUSHER

The vertical shaft impact crushers use an high-speed rotor for crushing materials with the maximum centrifugal forces. These machines offer a variety of rotor configurations to ensure adequate crushing performances. As all Maitek's products, they are manufactured according to the most modern designs and quality control procedures

that guarantee an operational safety – in correct use conditions. All the machines are currently fitted with a feeding opening, a main tank covered in anti-wear material, a supporting frame for electrical motor and a control unit for grease or oil lubrication.

Model	Weight without motor (Kg)	Max. operating speed	Max feeding size (mm)	Max. capacity (t/h)	Power (Kw)
MMV-210-M	11000	1480 (67m/sec)	80	80-150	110-200
MMV-240-M	15000	1385 (70m/sec)	130	100-350	110-400
MMV-270-M	18000	1050 (65m/sec)	180	200-500	200-500

Configuration with opened rotor

Model	Weight without motor (Kg)	Max. operating speed	Max feeding size (mm)	Max. capacity (t/h)	Power (Kw)
MMV-210-C	5000	1400 (gr/min)	20-40	80-150	110-160

Configuration with closed rotor for MOBILE UNITS APPLICATION

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MVI - FREE OSCILLATION VIBRATING SCREEN

The vibrating screen series are designed for dry and wet sizing and rinsing of the materials in a wide range of applications. All the machines are currently fitted with standard metal meshes, meshes fastening system with metallic profile and rubber profile for meshes support. The vibrating frame is made of reinforced and

electro-welded parts to resist to the stresses generated by the significant accelerations to which the machine is subjected. The main screen structure is placed on supporting springs system with high flexibility. The machine is normally equipped with transmission composed by electric motor, belts and pulleys.

Model	Capacity (t/h)	Power (kw) 2 decks	Power (kw) 3 decks	Power (kw) 4 decks
MVI-150-400	50-150	7,5	11	11
MVI-150-500	50-200	11	15	15
MVI-180-500	50-280	18,5	18,5	18,5
MVI-180-600	50-330	22	18,5	18,5
MVI-210-600	100-330	18,5	22	30
MVI-210-700	100-330	22	30	37
MVI-240-600	100-380	37	45	55
MVI-240-700	120-380	37	45	-
MVI-240-800	140-450	45	55	-

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MVS - VIBRATING SCALPER

The vibrating scalpers are designed for primary rough grading of both alluvial and mixed materials that you could find in the quarries. These machines are equipped with a sifting surface

composed by a sequence of obstruction-free selector rods or perforated metal sheet according to the needs.

Model	Dimensions (mm)	Nr. decks	Max feeding size (mm)	Max. capacity (t/h)	Power (kW)	Weight (kg)
MVS-100-200	1000 X 2000	1-2	350	150	4	2000-2500
MVS-100-250	1000 X 2500	1-2	480	190	7,5	4400-5000
MVS-120-300	1200 X 3000	1-2	500	350	10	6500-6800
MVS-150-300	1500 X 3000	1-2	650	380	15	7400-8000
MVS-150-400	1500 X 4000	1-2	650	460	22	9600-10000
MVS-180-400	1800 X 4000	1-2	700	540	22	10800-11000

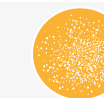
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