

# NESANS

Mining and Automation Pvt Ltd



CRUSHING, SCREENING, WASHING  
AND RECYCLING SOLUTIONS

An ISO 9001:2015 Certified Company



## Quality Policy

Nesans is committed to provide the best in class engineering and management solutions that are reliable, efficient, hard working and long lasting by adopting industry best quality standards and specifications



## Purpose

To create growth that is sustainable, ethical and altruistic in nature



## Mission

"To create values to our stakeholders by providing superior products and services that delivers remarkable return on investments, lesser downtime and preferable outputs.



## Vision

" To create a sustainable engineering ecosystem that is energy efficient, by cutting wastes through competent planning and economical usage of natural resources.

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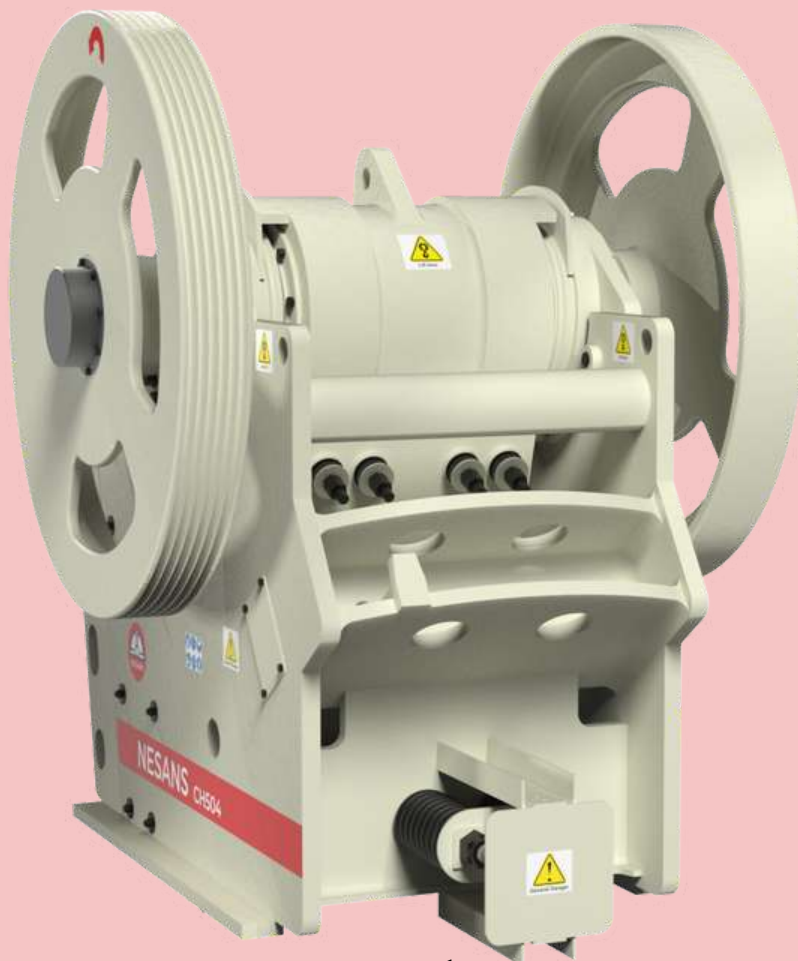
About us





**CH Series JAW CRUSHER****DESCRIPTION**

Nesans CH Series Jaw Crushers are designed particularly for continuous use with any hard and abrasive materials. They combine a robust frame design with high feeding capacity and a limited overall height. These features make it ideal for operation in restricted space, and in both stationary and mobile plants. CH Series crushers are premium class crushers due to their design as well as to the materials that are used to produce them. Attention has been paid to even the smallest details, so as to ensure the highest possible functionality and reliability, without any compromises.

**Jaw Crusher**

# TECHNICAL DATA

Parameters / Model	CH192	CH504	CH736
FEED OPENING (mm)	600 X 400	700 x 900	850 x 1050
FEED OPENING (Inch)	24 X 16	28 x 36	34 x 42
MAX. FEED SIZE (mm)	250	600	750
MAX. FEED SIZE (Inch)	10	24	30
CSS RANGE (mm)	20 - 60	50-175	75-225
CSS RANGE (Inch)	0.8 - 2.5	2-7	3-9
CAPACITY (TPH)	30 - 70	70-250	150-350
MOTOR POWER (kW)	37	75	110
MOTOR POWER (HP)	50	100	150
CRUSHER SPEED (RPM)	310	270	240
CRUSHER WEIGHT (kg)	8000	14000	21000

Crushing Solution

## FEATURES AND ADVANTAGES

- ▶ Rugged Jaw Stock
- ▶ Forged Shaft with Sub Micron Level Machining
- ▶ Non-Contact Inspection Procedures with cutting edge technology
- ▶ Reliable Metallurgy
- ▶ Finite Element Analysed Crusher Body
- ▶ Minimum Welding so that the stress in the Crusher is minimised
- ▶ Bolt and Lock System for 90% of the Machine
- ▶ Automatic Lubrication System
- ▶ Hydraulic CSS Setting System
- ▶ Advanced Sensor Systems for Temperature and Bearing Condition Monitoring.

# CSS SETTING

Closed Side Setting (CSS)		Crusher Model Capacity in mph (stph)		
mm	In	CH192	CH504	CH736
50		25 - 30		
	2	(28 - 33)		
60		35 - 40		
	2	(39 - 44)		
75			100 - 160	150 - 200
	3		(110 - 175)	(165 - 220)
100			125 - 200	200 - 265
	4		(140 - 220)	(220 - 290)
125			150 - 235	245 - 325
	5		(165 - 260)	(270 - 360)
150			175 - 275	295 - 390
	6		(195 - 305)	(325 - 430)
175			200 - 320	340 - 445
	7		(220 - 350)	(375 - 490)
200				385 - 505
	8			(425 - 555)
225				430 - 565
	9			(475 - 625)

CH Series

The above figures represent through the crusher capacities, which are based on a feed material with an average specific gravity of 2.6, a maximum feed size that will enter the crusher without bridging and material finer than the crushers closed side setting removed. The capacities may vary depending on the feeding method and on feed characteristics such as gradation, bulk density, moisture, clay content and crushability.

## APPLICATIONS



Aggregates



Quartz



Iron Ore

## DESCRIPTION

Nesans CG series cone crusher is a heavy duty, easy to maintain, higher crushing force with optimal energy consumption crusher predominantly used at the secondary and the tertiary stage of crushing. Higher reduction ratio enables CG series cone crusher to operate at tertiary and quaternary stages of crushing. Varying materials of varying hardness ranging from Iron ore to granite can be easily crushed with CG series crushers.



## TECHNICAL DATA

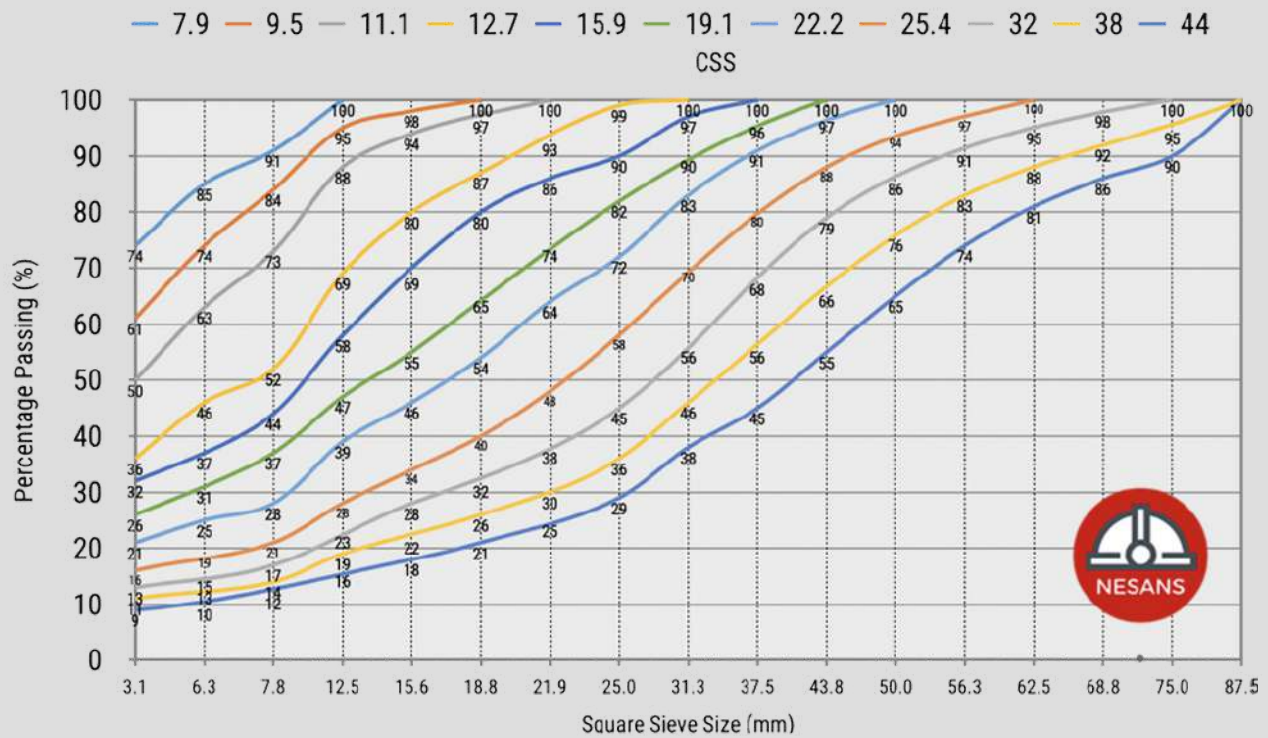
Parameters / Model	CG150	CG150F	CG250	CG250F
FEED OPENING (mm)	185	90	225	85
MAX. FEED SIZE (mm)	150	50	200	60
MAX. FEED SIZE (Inch)	6	2	8	2.4
CAPACITY (TPH)	90 - 125	65 - 110	150 - 200	90 - 130
MOTOR POWER (kW)	90 - 132	90 - 132	132 - 175	132 - 175
MOTOR POWER (HP)	120 - 180	120 - 180	180 - 235	180 - 235
CRUSHER WEIGHT (kg)	10,200	10,200	14,100	14,100





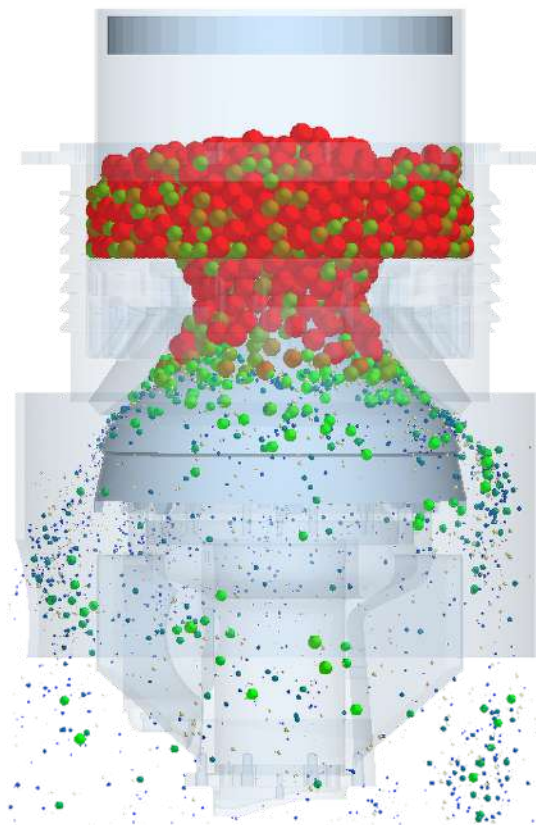
# GRADATION CURVE

**NESANS**



CG Series

# DEM ANALYSIS





# INSTALLATION



CG Series

# APPLICATIONS



Aggregates



M Sand



Quartz



Iron Ore

## DESCRIPTION

CF Series crushers are premium class crushers due to their design as well as to the materials that are used to produce them. Attention has been paid to even the smallest details, so as to ensure the highest possible functionality and reliability, without any compromises. Applications include

- ▶ Manufactured sand
- ▶ Premium shaped aggregates (concrete and road products)
- ▶ Recycling industry
- ▶ Industrial minerals industry
- ▶ Mining industry

The autogenous “rock on rock” crushing technique results in several major advantages: product gradation remains constant, even as rotor wear parts wear; contamination rates are extremely low, as no wear parts are used to directly crush the rock; unbeatable product shape (extremely low flake and elongation values).



# ISV



# TECHNICAL DATA

## Single Drive

Parameters / Model	CF500	CF1000	CF1500	CF2000
MAX. FEED SIZE (mm)	20	25	30	35
MAX. FEED SIZE (Inch)	0.8	1	1.2	1.4
CRUSHING CAPACITY (TPH)	30 - 40	65 - 90	90 - 130	110 - 170
MANUFACTURED SAND CAPACITY (TPH)	10 - 12	20 - 25	30 - 40	45 - 60
MOTOR POWER (kW)	55	90	160	200
MOTOR POWER (HP)	75	120	210	270
ROTOR SPEED (RPM)	1100 - 2200	1100 - 2200	1100 - 2200	1100 - 2200
CRUSHER WEIGHT (kg)	4600	6500	9500	9800

## Dual Drive

Parameters / Model	CF2500	CF3000
MAX. FEED SIZE (mm)	45	55
MAX. FEED SIZE (Inch)	1.8	2.2
CRUSHING CAPACITY (TPH)	140 - 210	170 - 265
MANUFACTURED SAND CAPACITY (TPH)	60 - 80	85 - 110
MOTOR POWER (kW)	300	400
MOTOR POWER (HP)	400	500
ROTOR SPEED (RPM)	1000 - 1800	1000 - 1800
CRUSHER WEIGHT (kg)	12100	12300

**CF Series**

### 3 port Rotor



### 4 port Rotor





# FEATURES AND ADVANTAGES

## Crushing

- ▶ Reduced Power Consumption
- ▶ Minimized Operational Costs per tonne
- ▶ Modular design the quick and easy replacement of spare parts
- ▶ Consistent, easily controlled product grading
- ▶ Dynamically balanced body design and reduced out-of-balance forces
- ▶ Temperature monitoring devices for increased bearing life
- ▶ Automatic Lubrication System
- ▶ Remote monitoring of performance of the crusher
- ▶ Vibration sensor to monitor and control vibrations within the range
- ▶ Low wear and tear due to autogenous Rock on Rock Crushing.



## APPLICATIONS



Aggregates



M Sand



Quartz



Glass

## DESCRIPTION

Nesans CE Series Impact crushers are well suited for both tertiary and super tertiary stages of crushing. Weighing less than compression crushers, they are uniquely suited for highly portable and mobile platforms.

- ▶ Versatile selection of horizontal shaft impact crushers to satisfy most applications and operator preferences
- ▶ Routinely installed in stationary and portable crushing systems
- ▶ Extra heavy duty solid rotor construction
- ▶ Two, three and four-row configurations
- ▶ Hydraulic adjustment mechanisms for primary and secondary curtains
- ▶ Rotors utilize an operator friendly centrifugal wedge system
- ▶ Rotor designed to minimize likelihood of catastrophic damage by blow bar breakage
- ▶ Greased oversize bearings
- ▶ Hydraulically operated hoods
- ▶ Blow bars available in manganese and various compositions of chrome steels



**ISH**



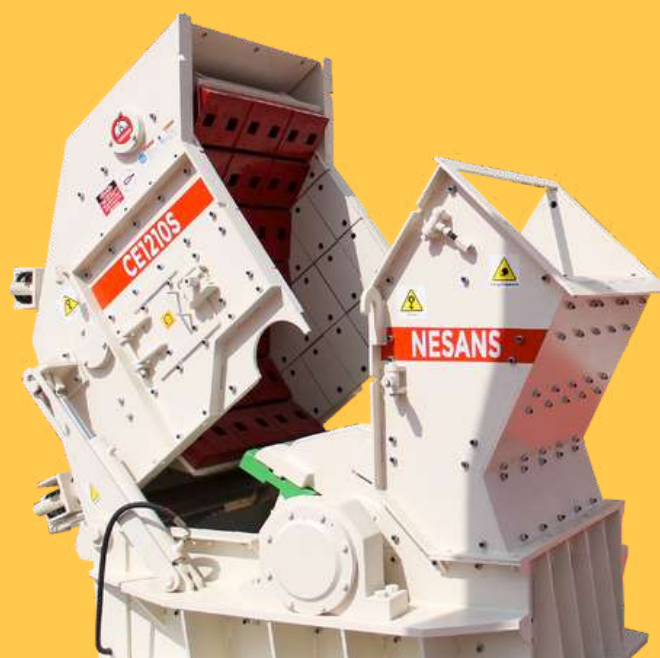
# TECHNICAL DATA

## Secondary Range

Parameters / Model	CE1210S	CE3036S	CE4230S	CE5252S	CE5263S
FEED OPENING (mm)	400 X 800	750 X 800	1020 X 820	1320 X 880	1540 X 930
FEED OPENING (Inch)	16" X 32"	30" x 32"	40" x 32.3"	52" x 34.6"	60.6" x 36.6
MAX. FEED SIZE (mm)	200	220	250	275	300
MAX. FEED SIZE (Inch)	8	8.8	10	11	12
CAPACITY (TPH)	30 - 40	75 - 100	110 - 150	165 - 200	220 - 250
MOTOR POWER (kW)	55	90	160	200	250
MOTOR POWER (HP)	75	120	220	250	350
CRUSHER SPEED (RPM)	900	800	800	700	700
CRUSHER WEIGHT (kg)	4320	7240	9500	13110	16050

## Tertiary Range

Parameters / Model	CE1210T	CE3036T	CE4230T	CE5252T	CE5263T
FEED OPENING (mm)	400 X 800	750 X 800	1020 X 820	1320 X 880	1540 X 930
FEED OPENING (Inch)	16" X 32"	30" x 32"	40" x 32.3"	52" x 34.6"	60.6" x 36.6
MAX. FEED SIZE (mm)	30	40	45	50	55
MAX. FEED SIZE (Inch)	1.2	1.6	1.8	2	2.2
CAPACITY (TPH)	30 - 40	75 - 100	110 - 150	165 - 200	220 - 250
MOTOR POWER (kW)	55	90	160	200	250
MOTOR POWER (HP)	75	120	220	250	350
CRUSHER SPEED (RPM)	1200 - 1400	1000 - 1200	900 - 1100	900 - 1100	800 - 1000
CRUSHER WEIGHT (kg)	4320	7240	9500	13110	16050



**CE Series**



# FEATURES AND ADVANTAGES

- ▶ Extra Heavy-Duty Solid Rotor Construction
- ▶ Two, three and four row configurations
- ▶ Hydraulic adjustment mechanisms for primary and secondary curtains
- ▶ Rotors utilize an operator friendly centrifugal wedge system
- ▶ Rotor designed to minimize likelihood of catastrophic damage by blow bar breakage
- ▶ Greased oversize bearings
- ▶ Hydraulically operated hoods
- ▶ Blow bars available in manganese and various compositions of chrome steels
- ▶ Cubicle Shaping of the end product
- ▶ Available in both static and skid mounted configurations.

**Crushing**



## APPLICATIONS



Aggregates



M Sand



Glass



## FEATURES AND ADVANTAGES

- ▶ Underflow rubber lined slurry pump
- ▶ One rubber lined Hydrocyclone which classifies at approximately 75µm (200 mesh)
- ▶ Dewatering screen fitted with polyurethane modular mats
- ▶ Weir discharge system which reduces the volume of fines entering the Cyclone collection tank
- ▶ Collection tank
- ▶ Produces two grades of sand
- ▶ Reduced pump and cyclone wear
- ▶ Reduced overall power requirements
- ▶ Reduced running costs
- ▶ Maximum recovery of material above 75µm (200 mesh)

**Envowash**



# TECHNICAL DATA

Parameters / Model	SWF500	SWF1000	SWF1500	SWF2000	SWF2500
Max Feed Size (mm)	-5	-5	-5	-5	-5
Flowrate (m <sup>3</sup> /hr)	65	130	220	250	320
Slurry Pump Power kW (HP)	11 (15)	15 (20)	30 (40)	40 (50)	45 (60)
Dewatering Screen Power kW (HP)	2 X 1.5 (2)	2 X 2.2 (3)	2 X 3.7 (5)	2 X 5.5 (7.5)	2 X 7.5 (10)
Total Water Requirement/Day (L)	10,000	20,000	25,000	30,000	35,000
No of Hydrocyclones	1	1	1	2	2
Capacity (TPH)	25 - 30	60 - 80	90 - 110	120 - 160	175 - 210



**Washing Solution**



**SWE Series HYDROWASH DUO**



**Hydro Wash**

## FEATURES AND ADVANTAGES

- ▶ Underflow rubber lined slurry pump
- ▶ Double wheel with heavy duty gearbox
- ▶ One rubber lined hydrocyclone which classifies at approximately 75µm (200 mesh)
- ▶ High frequency 2.4m x 1.2m (8' x 4') dewatering screen fitted with polyurethane modular mats
- ▶ Weir discharge system which reduces the volume of fines entering the Cyclone collection tank
- ▶ Collapsible bucket wheel tank for easy transport
- ▶ Bucket wheel performs 80-90% of the work. This keeps the pump and cyclone size to a minimum
- ▶ Reduced pump and cyclone wear
- ▶ Reduced overall power requirements
- ▶ Reduced running costs
- ▶ Maximum recovery of material above 75µm (200 mesh)



# TECHNICAL DATA

Parametes / Model	SWE750-Duo	SWE1000-Duo	SWE1500-Duo	SWE2000-Duo	SWE2500-Duo
Max Feed Size (mm)	-5	-5	-5	-5	-5
Rotor Speed (rpm)	3.6	3.6	3.6	3.2	3.2
Drive Motor Power kW (hp)	3.75 (5.0)	5.625 (7.5)	7.5 (10)	11.25 (15)	15 (20)
Dewatering Motor kW (hp)	2 x 1.5 (2)	2 X 2.2 (3)	2 X 3.7 (5)	2 X 5.5 (7.5)	2 X 5.5 (7.5)
Slurry Pump Motor kW (hp)	10 (15)	15 (20)	30 (40)	40 (50)	45 (60)
Capacity (t/h)	35-50	75-90	100-120	130-150	170-190



**SWE Series**

## DESCRIPTION

Nesans BLUE CHIP Super Fines Washers are Classifiers that can handle a variety of ores in addition to separation at micron level cut points. Thanks to the hydrocyclone clusters that make this herculean task of precision cut points possible.



Blue Chip

## TECHNICAL DATA

**Customized to Customer's need**



## FEATURES AND ADVANTAGES

- ▶ Ability to handle capacity of 25 to 500 TPH
- ▶ Versatile range of cut points from 10 to 500 micron
- ▶ Superior underflow recovery
- ▶ Uniformity in underflow density
- ▶ Low fines in underflow to overflow ratio
- ▶ Enhanced wear resistance lining for abrasive ores
- ▶ Ability to be attached to a thickener or a clarifier in the future

## APPLICATIONS

### **Blue chip as secondary classifier in Manufactured sand ( M-Sand) plants**

The overflow from a typical m-sand washing plant may become coarser as the equipment ages or it could deliver coarse overflow for a variety of reasons that include but not limited to improper hydrocyclone sizing, improper design of the washing circuit, ununiform feed density and large capacity of the hydrocyclone which implies larger classification diameter. The above discussed coarse overflow can be fed into a blue chip cluster so that further reclamation of particles that are above 150 micron ( +100 mesh ) is possible. Smaller classification diameter makes separation possible in this case.

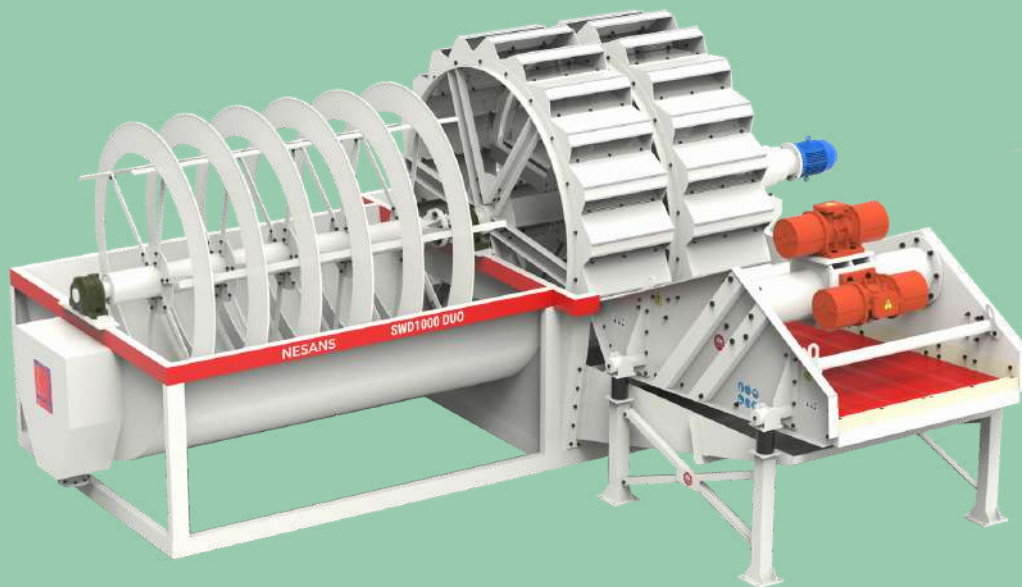
### **Blue chip for Removal of Alumina/Silica Contamination in Iron Ore**

Higher Alumina content or a higher alumina to silica ratio (1.5-3.0) for lumpy ore and (3-4) for fines is detrimental to blast furnace as well as sinter plant productivity as high alumina content is known to generate large slag volumes.

The lumps of iron ore (+10mm to -40mm) should be effectively removed of alumina before it is fed into the blast furnace. Alumina usually occurs as kaolinite in the size range of (25 to 35 micron) in the form of clay. This can be removed by wet processing of the ore after size reduction. High capacity of the processing plant demands a hydrocyclone system capable of handling such a large volume of slurry as well as be able to cut precisely at 40 micron.

## DESCRIPTION

Nesans SW D Series are bucket classifiers with Dewatering Screen complete with fines retention screw, bucket wheel fitted with PU panels for the removal of clays, silts and slimes to produce up to 2 grades of sand. The SW D Series is designed to operate with maximum versatility and can support different requirements such as maximum retention of fines or maximum disposal of fines.



**SWD Series**

## FEATURES AND ADVANTAGES

- ▶ High capacity depending on material size and type
- ▶ Economical in operation
- ▶ Can produce either 1 or 2 grades of material
- ▶ Excellent fines recovery
- ▶ Specially designed inlet boxes which reduce turbulence at entry
- ▶ Weir discharge system
- ▶ Single and double grade chutes (plastic lined)
- ▶ Slurry intake boxes (rubber lined)
- ▶ High capacity variable speed bucket wheel (optional)



# TECHNICAL DATA

Parametes / Model	SWD600	SWD800	SWD1000	SWD1500	SWD2000	SWD2500
Max Feed Size (mm)	-5	-5	-5	-5	-5	-5
Rotor Speed (rpm)	3.6	3.6	3.6	3.2	3.2	3.2
Drive Motor Power kW (hp)	3.75 (5.0)	5.625 (7.5)	5.625 (7.5)	7.5 (10)	10 (15)	15 (20)
Dewatering Motor kW (hp)	2 x 1.5 (2)	2 X 2.2 (3)	2 X 3.7 (5)	2 X 3.7 (5)	2 X 5.5 (7.5)	2 X 5.5 (7.5)
Capacity (t/h)	50	75	100	150	200	250

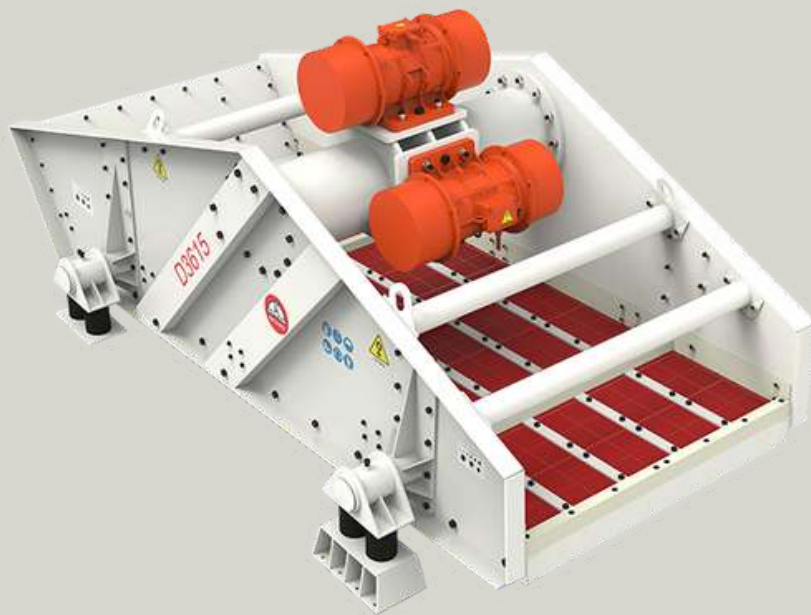


**Bucket Classifier**



## DESCRIPTION

Nesans D Series Dewatering Screens are designed for minimal maintenance, with no cutting or welding required. They require little operator training when installed, and produce minimal noise. The use of modular polyurethane panels ensures quick and easy replacement when necessary, thus minimizing maintenance time. In addition, our range of dewatering screens utilize two high frequency vibrating motors to ensure maximum dewatering of the final product. Nesans M&A's highly experienced team of sales engineers, technical specialists and production experts will work closely with you to choose, install and customize your dewatering screens.



**Dewatering**

## FEATURES AND ADVANTAGES

- ▶ Variety of screen sizes
- ▶ Custom sizes to fit your plant
- ▶ Low moisture content
- ▶ Goodyear rubber suspensions for long life
- ▶ Highest quality vibrating electric motors
- ▶ Designed for high-frequency, low amplitude applications
- ▶ Minimize pegging and blinding with optimized designs
- ▶ Manufactured with secure screen fastening systems



# TECHNICAL DATA

Model No	Max Length mm (ft)	Max Width mm (ft)	Power Requirement kW	Max Feed Size mm	Capacity mtph
D1206	1200 4'	600 2'	2 X 0.9	-10	25
D1209	1200 4'	900 3'	2 X 0.9	-10	30
D1809	1800 6'	900 3'	2 X 1.1	-10	50
D1812	1800 6'	1200 4'	2 X 1.6	-10	65
D2412	2400 8'	1200 4'	2 X 1.9	-10	75
D2415	2400 8'	1500 5'	2 X 2.2	-10	100
D3015	3000 10'	1500 5'	2 X 2.5	-10	125
D3612	3600 12'	1200 4'	2 X 3.6	-10	150
D3615	3600 12'	1500 5'	2 X 5	-10	200
D4215	4200 14'	1500 5'	2 X 7.5	-10	250



# D Series

## DESCRIPTION

Nesans T Series Screw Classifier come with varying pitch and diameters for classifying materials depending upon its physical properties. Durable screw design run at ideal speeds has aided T Series Classifiers to deliver output of authorized quality. Assisted with Dewatering Screens, T Series Classifiers are the most recommended for smaller range wet processing plant.



## TECHNICAL DATA

Model	Spiral Dia' X Length'	Rotor Speed rpm	Drive Motor Power hp	Dewatering Motor (hp)	Capacity t/h
T401	20' X 22'	35	5	2 X 2 HP	30
T402	24' X 22'	28	7.5	2 X 5 HP	50
T403	30' X 25'	24	15	2 X 5 HP	75
T405	36' X 25'	21	20	2 X 7.5 HP	100
T406	44' X 32'	15	25	2 X 7.5 HP	150
T407	48' X 33'	15	30	2 X 10 HP	200

**Screw Classifier**





## DESCRIPTION

With the ever increasing demand for sand and the corresponding increase in demand for water, customers are focused to look into effective methods for water recycling apart from the conventional pond sedimentation techniques. Consistent solids under flow and clear water overflow has enabled modern day thickeners to be a part of seamless mineral processing and aggregate sand washing circuits. The uses of thickeners in a beneficiation process are five fold, they are

- ▶ Readily available fresh water for pre-thickener and post-thickening operations.
- ▶ Maximum recovery of ultra-fine solids, so they can be filter pressed and used for other applications.
- ▶ Prevents the problem of sludge run-off
- ▶ Environmental foot-print is drastically reduced
- ▶ A huge savings in the operating cost



# Thickener



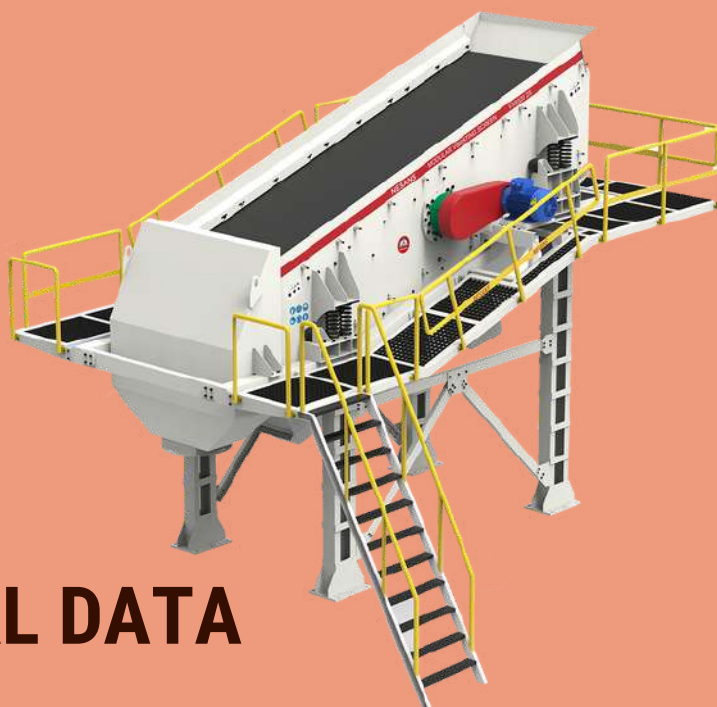
# TECHNICAL DATA

model	Thickener diameter m	Thickener Height m	Underflow rate TPH	Slurry Loading Rate m <sup>3</sup> /hr	Input % Solids	underflow % Solids	Total Power Required KW (HP)
NFT-6x	6	2	12	72	<15%	25-35%	30 (40)
NFT-10x	10	3	30	180	<15%	25-35%	40 (54)
NFT-12x	12	4	40	250	<15%	25-35%	55 (74)
NFT-15x	15	5	50	300	<15%	25-35%	60 (80)

## FEATURES AND ADVANTAGES

- ▶ Integrated Automation
- ▶ Seamless process control
- ▶ Save upto 90% of water
- ▶ Compact design and faster deployment
- ▶ Bolted and weld free design
- ▶ Priority human and environmental safety
- ▶ Minimal environmental footprint
- ▶ Optimised feedwell design
- ▶ Consistent underflow rate
- ▶ Readily available spares and service support

**NFT Series**



## TECHNICAL DATA

Model	Screen Size ft mm	Number of decks	Type	Screen Area/Deck Sq. ft	Motor Kw Required (hp)
VX4015-4S	14' X 5' 4200X1500	4	Secondary/Tertiary	65	15(20)
VX4015-3S		3	Secondary/Tertiary		
VX4015-2S		2	Secondary/Tertiary		
VX4015-3SP		3	Primary		
VX4015-2SP		2	Primary		
VX4518-4S	15' X 6' 4500X1800	4	Secondary/Tertiary	90	22(30)
VX4518-3S		3	Secondary/Tertiary		15(20)
VX4518-2S		2	Secondary/Tertiary		22(30)
VX4518-3SP		3	Primary		15(20)
VX4518-2SP		2	Primary		22(30)
VX5020-4S	16' X 6' 5000X2000	4	Secondary/Tertiary	96	22(30)
VX5020-3S		3	Secondary/Tertiary		15(20)
VX5020-2S		2	Secondary/Tertiary		22(30)
VX5020-3SP		3	Primary		22(30)
VX5020-2SP		2	Primary		22(30)
VX6020-4S	20' X 6' 6000X2000	4	Secondary/Tertiary	120	30(40)
VX6020-3S		3	Secondary/Tertiary		22(30)
VX6020-2S		2	Secondary/Tertiary		
VX6020-3SP		3	Primary		
VX6020-2SP		2	Primary		

Screening Solution





**VM Series****INCLINED VIBRATING SCREEN****Inclined Screen**

## FEATURES AND ADVANTAGES

- ▶ Ability to screen ultra-fine minerals
- ▶ Low installed power requirements
- ▶ Screen fine sticky materials without the use of a ball deck or expensive screen media
- ▶ Minimal transmission of loads to foundations
- ▶ Typically includes feed box, undersize chute, oversize chute and steel frame
- ▶ Multiple screen media options
- ▶ Adaptable to different operating conditions (Wet and Dry)
- ▶ Configurable Deck design



# TECHNICAL DATA

**NESANS**

**VM Series**

Model	Screen Size ft mm	Number of decks	Screen Area/Deck Sq.ft	Approx weight kg	Motor Kw Required (hp)
60204D	20 X 6 6000 X 1800	4	120	6500	22.5 (30)
60203D		3		5800	18.75 (25)
60202D		2		5200	18.75 (25)
54184D	18 X 6 5400 X 1800	4	108	5900	22.5 (30)
54183D		3		4800	18.75 (25)
54182D		2		3800	18.75 (25)
50184D	16 X 6 5000 X 1800	4	96	5420	18.5 (24)
50183D		3		4430	15 (20)
50182D		2		3230	11 (15)
50154D	16 X 5 5000 X 1500	4	80	4700	11 (15)
50153D		3		3800	11 (15)
50152D		2		2880	11 (15)
50151D		1		2250	7.5 (10)
43184D	14 X 6 4300 X 1800	4	84	5000	15 (20)
43183D		3		4160	15 (20)
43182D		2		3000	11 (15)
43154D	14 X 5 4300 X 1500	4	70	4300	11 (15)
43153D		3		3300	11 (15)
43152D		2		2550	7.5 (10)
43124D	14 X 4 4300 X 1200	4	56	3350	11 (15)
43123D		3		2750	7.5 (15)
43122D		2		2200	7.5 (10)
36154D	12 X 5 3600 X 1500	4	60	3170	11 (15)
36153D		3		2650	11 (15)
36152D		2		1960	7.5 (10)
36124D	12 X 4 3600 X 1200	4	48	3100	11 (15)
36123D		3		2500	7.5 (10)
36122D		2		2160	7.5 (10)
30154D	10 X 5 3000 X 1500	4	50	3100	11 (15)
30153D		3		2700	7.5 (10)
30152D		2		2160	7.5 (10)
30124D	10 X 4 3000 X 1200	4	40	2250	7.5 (10)
30123D		3		1940	7.5 (10)
30122D		2		1530	5.5 (7.5)

## DESCRIPTION

Nesans Recycling offers trommels for the screening of wood chips, top soil, compost, light demolition waste, domestic waste and aggregates. The rotating trommel allows for the fines to flow and larger material to pass through.

Nesans has developed an extensive range of trommels ranging 50 to 250 metric cube capacities. The trommels are two wheel drive in general for smaller capacities and four wheel drive for higher capacities.

The spiral provided inside the Trommel allows for the movement of the material towards the discharge end of the trommel.

The sieve opening shall be adjusted as per the requirement of the application allowing for different sizes of materials to be screened. Nesans Trommels are driven by rubber tyres as compared to chain drives in the conventional ones. The use of rubber tyres allow for a tidy running, no lubrication and less downtime.



**Trommel Screen**

## FEATURES AND ADVANTAGES

- ▶ Higher Separation Efficiency
- ▶ Ability to change the screening size without changing the equipment
- ▶ Reliable drive mechanism thanks to the lubrication free drives
- ▶ Lower energy consumption
- ▶ Option to be mounted on a Wheel mounted chassis making the entire setup mobile
- ▶ Optional Conveyor Belt





# TECHNICAL DATA

Model	Diameter mm	Screening Length mm	Total Length mm	Power KW (HP)	Performances m <sup>3</sup> /hr
NR2170	2100	5000	7000	11 (15)	55
NR2190	2100	7000	9000	15 (20)	85
NR2508	2500	6000	8000	15 (20)	70
NR2510	2500	8000	10000	15 (20)	110
NR2512	2500	10000	12000	2x11 (2x15)	130
NR2514	2500	12000	14000	2x15 (2x20)	155
NR3010	3000	8000	10000	15 (20)	150
NR3012	3000	10000	12000	2x11 (2x15)	175
NR3014	3000	12000	14000	2x15 (2x20)	210



NR Series

## DESCRIPTION

Nesans FG Series Grizzly feeders are designed to combine scalping and Feeding in one operation. They are tailored to provide a continuous, consistent, uniform flow of materials from the hopper to the crusher.

Installed ahead of a primary or a secondary crusher, larger pieces are scalped into the crusher while undersized materials are passed into the grizzly bars, bypassing and relieving the load to the crusher. Thus the use of FG Series Grizzly Feeders increases crusher capacity and all round efficiency.



**Grizzly Feeder**

## TECHNICAL DATA

Model No	Max Length mm ft	Max Width mm ft	Power Requirement kW hp	Max Feed Size mm In	Capacity mtph
FG3109	3100 10	900 3	2 X 2.6 2 X 3.5	500 20	150
FG3712	3660 12	1200 4	2 X 3.75 2 X 5	700 28	200
FG4512	4500 15	1200 4	2 X 5.6 2 X 7.5	800 32	300



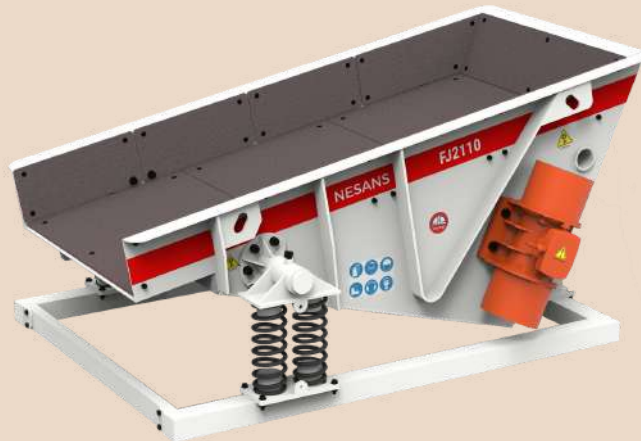
# FJ Series PAN FEEDER

## DESCRIPTION

Nesans FJ Series Vibrating Pan Feeders are mounted on coil springs, providing high production with an even disbursement of the product. Vibrating Pan Feeders are ideal for specialty applications involving high-impact and surge loading when it is essential to meter the flow onto a conveyor.

Nesans FJ Series Pan feeders are animated by a strong linear motion to move forward the material.

The feeder's pan bottom and sides are lined with impact, abrasion-resistant alloy steel liners. The pan bottom is also lined with thick oak impact liners under the alloy steel liners.



## TECHNICAL DATA

Model	Max Length mm ft	Max Width mm ft	Power Requirement Kw hp	Max Feed Size mm ft	Capacity mtph
FJ1206	1200 4	600 2	0.5 - 0.75 (2) 0.75 - 1 (2)	300 12	40 - 60
FJ1508	1500 5	750 2.5	0.75 - 1.125 (2) 1 - 1.5 (2)	400 16	60 - 100
FJ1608	1600 5	800 3	1.125 - 1.5 (2) 1.5 - 2 (2)	500 20	100 - 150
FJ2010	2000 7	1000 3	1.5 - 2.25 (2) 2 - 3 (2)	200 8	150 - 200
FJ2211	2200 7	1100 4	2.25 - 3.75 (2) 3 - 5 (2)	700 28	200 - 300
FJ2412	2400 8	1200 4	3.75 - 5.625 (2) 5 - 7.5 (2)	700 28	300 - 500
FJ3216	3200 11	1500 5	5.625 - 7.5 (2) 7.5 - 10 (2)	700 28	500 - 800

Pan Feeder





# NESANS

**Mining and Automation Pvt Ltd**



Nesans Mining and Automation Pvt Ltd is a minerals processing, segregation, classification and automated control technology and services supplier for the mining, aggregates, and mineral handling industries. We help you achieve your business goals through our enhanced, updated, cutting edge technologies designed to get the maximum out of the minimum available

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