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THE MICRO PLANT

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Senya Crushers

SINCE 1955



Senya Crushers MICRO Plant

Micro Crushers, Screen Plant, MICRO Conveyor



A brief introduction of Senya Crushers

Senya Crushers is a global manufacturer and distributor of all machinery related to the aggregate processing industry. From every type and size of jaw, impact, and cone crushers, ball mills, hammer mills, roller mills, we can take material down to the sub 400 mesh size from even the largest input of material. We also offer any and every type of screening machinery, and conveyor configurations for material distribution. In addition, we specialize in mobile concrete plants and concrete washout recycling systems. Headquartered in Raleigh, NC, we have been manufacturing our revolutionary line of MICRO Aggregate Processing machinery here in the USA since January 2023.

Our USA branch was founded on duplicating every component of major aggregate processing and mining operations on a MICRO level with portability as the prime goal at the same time making the components of the entire MICRO Plant affordable to mid to small contractors. Giving the ability to process, recycle, and produce aggregate on this scale to these customers is nothing short of revolutionary to the aggregate processing industry as we pioneer the MICRO Aggregate Processing category in heavy equipment.

With our operations and production based in Raleigh, NC, we maintain a strong inventory and constant incoming supply of all parts of our machinery. With strong sales and after-sales service, we give on-site in-service training with every machine we sell. Our owner himself came up with our MICRO Processing concept and has personally designed our machinery. He is actively involved in the production and service of our equipment every day, and accompanies our service team with on-site service regularly. You will find no other company more committed to the quality of our equipment and satisfaction of our end user from the top on down.

Senya Crushers is all about offering a unique opportunity to our end users that they have never had before and in an extremely broad range of applications. Above all, our goal is to THINK FROM THE CUSTOMERS VIEWPOINT. When Senya Crushers sells a piece of equipment, we are not only selling the amazing opportunity the equipment offers, we are selling our impeccable service, our cutting edge engineering expertise, and most of all, our integrity. We thank you for considering Senya Crushers for all of your crushing needs. Let's Crush it!

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Senya 3 Jaw Crusher

The Senya 3 Portable Jaw Crusher comes with a 40 kw electric generator installed just under its feeder, powered by the Yanmar 4TNV98C-GGE Engine legendary for its performance in harsh and extreme environments. The Crusher features all electric motors powered by the onboard USA made, serviced, and warrantied custom diesel generator. There are no hydraulics or tracks and their associated high service and maintenance costs. The crusher runs all day on less than \$40 of fuel! The Senya 3, Sp1 Screen Plant, and MICRO Conveyor, can all be powered by this single generator powering the complete MICRO Plant. There's even enough power for an optional stepdown transformer providing on site 220v and 110v service, integrated and enclosed in the crusher.

The Senya 3 is suitable for:

- ◆ Minerals and the hardest rock material crushing
- ◆ Aggregate Processing
- ◆ Concrete and Asphalt, Concrete Washout Recycling
- ◆ Construction Waste recycling
- ◆ Granite Countertop scrap and glass recycling
- ◆ Decorative gravel production

Features and Benefits

- ★ 40KW Generator
- ★ Integrated motor mount and jaw frame
- ★ 1" Steel Feeder wear plates
- ★ Heavy Duty Vibratory Feeder Motors and mount design
- ★ Single Piece 5X Channel Banded Flywheel belt
- ★ HD 8 lug rims and 16 ply tires
- ★ Dual 8k lb. capacity axles
- ★ DOT VIN'd and USA made Trailer
- ★ Breakaway Electric Brake System
- ★ LED Running and License Plate Lights
- ★ 3" Lunette Ring Hitch
- ★ USA Molded Marine Grade Moeller Fuel Tank
- ★ 6 X 12K lb. capacity leg jacks
- ★ Heavy Duty Footpads x 6 included
- ★ Optional Dust Suppression System
- ★ Magnetic Conveyor Metals removal option
- ★ Integrated 50 amps of 110v Step down transformer
- ★ **MADE IN USA!** 

Technical Data for the Senya 3

Config.:	11" 19" Jaw crusher
Conveyor Belt:	1
Total Power (required):	24hp, 480v, 60 Hz
Magnet Magnetic Conveyor:	Optional
Generator:	SELF CONTAINED, 40KW, 50hp
Electrical Control:	Yes, wireless remote standard
Hydraulic control:	No Hydraulics
Road Legal	YES

Capacity:	≤30 tph
Feeding Height:	8.5 ft
Feeding Size:	12" approximate
Jaw Opening:	11" x 19"
Output Size:	3/8"~3"Minus
Hopper Volume:	1.5 cu yds
Working Dimension(LxWxH)	22' L x 7' W x 8' 6" H



Senya 6 Jaw Crusher

The Senya 6 Portable Jaw Crusher is the big brother to the Senya 3, almost identical in basic design and working principle. Due to its massive crushing power, it requires and external 100KW to power the crusher. As with the Senya 3, the crusher features all electric motors with no hydraulics or tracks and their associated high service and maintenance costs. The Senya SP1 Screen Plant, and MICRO Conveyor, can all be powered by the same generator powering the complete MICRO Plant. Easily pulled by a dump truck, The Senya 6 can be set up and crushing in minutes easily producing 400-500 tons per day!

The Senya 6 is suitable for:

- ◆ Minerals and the hardest rock material crushing
- ◆ Aggregate Processing
- ◆ Concrete and Asphalt, Concrete Washout Recycling
- ◆ Construction Waste recycling
- ◆ Granite Countertop scrap and glass recycling
- ◆ Decorative gravel production

Features and Benefits

- * **Highly Portable Mobile Crushing Plant**
- * **80 tph production capability**
- * **Expandable hopper aprons**
- * **Heavy Duty Vibratory Feeder Motors and mount design**
- * **DOT VIN'd and USA made Trailer**
- * **Breakaway Electric Brake System**
- * **LED Running and License Plate Lights**
- * **3" Lunette Ring Hitch**
- * **6 X 12K lb. capacity leg jacks**
- * **Heavy Duty Footpads x 6 included**
- * **Optional Dust Suppression System**
- * **Magnetic Conveyor Metals Conveyor Standard**

Technical Data for the Senya 6

Config.: 16" x 24" Jaw crusher

Conveyor Belt: 1

Total Power (required): 47 hp,
480v, 60 Hz

Magnet Magnetic Conveyor:
Standard Equipment

Generator: Additional 100KW
External Gen. Req.

Electrical Control: Yes, wireless
remote standard

Hydraulic control: No Hydraulics

Road Legal YES

Capacity: ≤ 80 tph

Feeding Height: 12'

Feeding Size: 22"
approximate

Jaw Opening: 16" x 24"

Output Size: 1/2"-4"

Hopper Volume: 5 cu yds

Working Dimension (LxWxH)
25.5'L x 8.2W x 11.9'H



Senya SP1 MICRO Screen Plant

Senya MICRO Screen Plant is a two deck three conveyor screen plant sorting three sizes of material simultaneously. The side conveyors effortlessly fold back down the side of the machine for compact transport. Designed as the companion to our Senya 3 and Senya 6 Jaw Crushers, the SP1 uses the crusher's power source as well as having outlet jacks to add our MICRO Conveyors for the entire MICRO Plant. Continuing to push the cutting edge of MICRO Aggregate processing technology, Senya Crusher's SP1 utilizes polyethylene screens which last up to 5X longer than traditional wire screens. Stock output sizes are 3", 1.5", and .75" minus but custom screen sizes are available and in stock down to .25" and are easily swapped out. Made in the USA in our shop in Raleigh, NC, the SP1 is a must have companion to your MICRO Crusher!

The SP1 MICRO Screen Plant is suitable for:

- ◆ Minerals and the hardest rock material crushing
- ◆ Aggregate Processing
- ◆ Concrete and Asphalt, Concrete Washout Recycling
- ◆ Construction Waste recycling
- ◆ Granite Countertop scrap and glass recycling
- ◆ Decorative gravel production
- ◆ Topsoil Processing

Features and Benefits

- * 2 deck screen plant sorting 3 sizes simultaneously
- * Highly portable, only weighs about 8K lbs.
- * Side conveyors mounted on turntables for easy stowing during transport
- * Polyethylene Screens last up to 5X longer than tradition wire screens
- * Custom screen sizes in stock down to 1/4" and easily swapped out
- * Runs of Crusher power source, no need for it's own generator
- * Up to 80 tph capacity
- * Made in USA



Sp1 Specs

Configuration:	Screen Plant
Conveyor Belts:	3
Total Power (required) :	10hp, 480v, 60Hz
Generator req.:	10KW
Electrical Control:	Yes
Hydraulic control:	No
Road Legal:	Hydraulics Yes

Capacity:	≤80 tph
Feeding Height:	4.5 ft
Feeding Size:	<4"
Output Size:	3-4", 1.5", 3/4" Minus (Custom to 1/4")
Hopper Volume:	.5 cu yds
Working Dimension (LxWxH):	23.2'L x 22.2' W x 8.5' H
Weight	8000 lbs.

Senya S2318 and S2818 MICROConveyor



Our MICRO Conveyors are another example of our machinery's extreme portability. Utilizing angled idlers and a heavily cleated belt they give an extremely steep angle of convey. This achieves discharge heights adjustable by hydraulic pump up to 18' in a length 40% shorter than traditional conveyors. They can all be run off the same diesel generator on our MICRO Crushers eliminating the need for an additional power source. Increase your production efficiency by stacking larger piles or loading directly to the truck. The optional radial yard drop down wheel system converts the conveyor to distribution across your yard without having to reposition machinery, yet still meets DOT standards maintaining the ultimate in portability. The MICRO Conveyors are simply "plug and play" to your MICRO Crushers or Screen Plant.

**The ONLY DOT approved Radial
Yard Conveyor in the world!**



Features and Benefits

- * S2318DOT is 23' long and features a 15' Maximum Discharge Height
- * S2818DOT is 28' long and features an 18' Max Discharge Height
- * Adjustable Conveyor lift with hand pump
- * Infeed hopper
- * Powered by your Senya MICRO Crusher generator, no need for an additional power source
- * 480v standard, 110v available
- * 80 tons per hour capacity, compatible with S3, S6, SP1

Technical Data for the S2318 and S2818 MICRO Conveyors

Model Configuration	S2318DOT DOT Approved	S2818DOT Portable Conveyors
Axle/Wheels	Fixed Solid	Fixed Solid
Conveyor Length	23'	28'
Discharge Height (Max)	15'	18'
Adjustable Height	infinite hydraulic	
Belt Width	18"	18"
Road Legal	Yes	Yes
Capacity	80 tph	80 tph
Motor	1.5 Hp 110V/460V	1.5 Hp 110V/460V
Hitch Type	2" Ball	2" Ball
Loading Hopper	Yes	Yes




Senya MICRO Plant

The Senya Crusher MICRO Plant is the culmination of our corporate goal to duplicate every component of major aggregate processing and quarry operations on a MICRO Level. Transported by pickup or dump trucks, the entire plant is easily moved for on site processing that gives tremendous savings in aggregate purchase and demolition disposal costs. The advantages this allows for in the bid process can not be understated. At minimal volumes, our machinery can easily pay for it self in months. Check out our cashflow calculator at www.senyacrushers.com to see exactly how much using your own figures. The entire plant can be run by a single operator loading the crusher with a skid loader, all controlled by wireless remote. In short, there is simply nothing in the world that compares to the MICRO Plant's portability, productivity, durability, reliability, and most of all profitability!

The MICRO Plant is suitable for:

- ◆ Minerals and the hardest rock material crushing
- ◆ Aggregate Processing
- ◆ Concrete and Asphalt, Concrete Washout Recycling
- ◆ Construction Waste recycling
- ◆ Granite Countertop scrap and glass recycling
- ◆ Decorative gravel production
- ◆ Topsoil Processing

Features and Benefits

- * Senya 3 or Senya 6 options
- * Screen Plant auto sorting 3 sizes
- * MICRO Conveyors auto-load to the trucks
- * Optional Radial Yard DOT MICRO Conveyors
- * All run by a single power source
- * "Plug and Play" Compatibility
- * Custom Output flexibility
- * The ultimate in portability
- * Extremely affordable at minimal volumes
- * ELIMINATES AGGREGATE PURCHASE COSTS
- * ELIMINATES DEMOLITION DISPOSAL COSTS
- * REVOLUTIONIZES THE BOTTOM LINE
- * MADE IN USA 

MICRO Plant Specs and Crusher Comparison

Config: S3 or S6 Crusher, SP1 Screen Plant, up to 3 MICRO Conveyors

Power Requirements: 40KW (S3) or 100KW (S6)

Magnetic Conveyor: S3 optional, S6 standard

Generator: S3 (internal included), S6 (external addition)

Electrical Control: wireless remote standard

Hydraulic control: no hydraulics

Road Legal: Every component DOT legal

Capacity: S3-30 tph, S6-80 tph

Feeding height: S3- 8.5', S6- 11'

Feeding Size: S3- <12", S6- <16"

Jaw Opening: S3- 11" x 19"
S6- 16" x 24"

Output Size: S3- 3/8"-3"
S6- 1/2"-4"

Hopper Volume: S3- 1.5 cu. Yds.
S6- 5 cu. Yds.

Dimensions (ft):
S3- 22 x 7 x 8.5
S6- 25.4 x 8.2 x 10.9

